

The University of Victoria Undergraduate Calendar 2010–2011



The University of Victoria operates under the authority of the University Act (RSBC 1996 c. 468) which provides for a Convocation, Board of Governors, Senate and Faculties. The University Act describes the powers and responsibilities of those bodies, as well as the duties of the officers of the University. Copies of this Act are held in the University Library.

The official academic year begins on July 1. Changes in Calendar regulations normally take effect with the beginning of the Winter Session each year unless otherwise approved by the Senate. Nevertheless, the University reserves the right to revise or cancel at any time any rule or regulation published in this Calendar or its supplements. The Calendar is published annually in the Spring by the Office of the Registrar, Student Affairs, under authority granted by the Senate of the University.

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Welcome to UVic!

The University of Victoria is a great place for learning. It's not surprising that Maclean's magazine consistently ranks UVic as one of the top comprehensive universities in Canada. With nearly 19,000 students, UVic combines the best features of both small and large universities.

If you are a new student, you probably have a lot of questions about student life at UVic. Here are some answers to get you started.

How Do I Apply for Admission?

The easiest way to apply is through the Undergraduate Admissions' website at <registrar.uvic.ca>. You can complete a web application or download an application for printing. You can also link to other information you'll need, like program requirements, deadlines and course descriptions, and to all the other services at UVic. If you don't have Internet access, please contact Undergraduate Admissions.

Keep in mind that as well as completing an application form, you'll have to arrange to send official transcripts of your marks from secondary school and any post-secondary institutions you've attended, and pay application fees. You'll find more details about admission requirements starting on page 21.

How Do I Choose What to Study?

Your choice of courses will depend on your academic goal. Most programs at UVic lead to a degree, but there are also many diploma and certificate programs. You'll find a list of these on page 21.

If you're planning to begin a degree at UVic, you'll first have to qualify for admission to the faculty offering that degree. The faculties at UVic are: Business, Education, Engineering, Fine Arts, Human and Social Development, Humanities, Law, Science, Social Sciences and Graduate Studies. You'll find a list of the degrees each faculty offers on page 21. Each faculty's minimum admission requirements are listed in the table on page 24.

In most faculties, you will also enter a department. Departments specialize in different fields of study. (The Faculty of Science, for example, includes the Departments of Biology and Chemistry, as well as others.) Use the table of contents to locate information about the faculty or department you plan to enter. Use the index to find information about a particular field of study (for example, nursing or computer science).

Each faculty and department entry in the Calendar includes information on the degree programs available and their course requirements. To learn more about particular courses, check the individual course descriptions in the second half of the Calendar. You'll find a list of the faculties and the courses they offer on page 233.

Advising Services for Each Faculty

Faculty of Business	www.business.uvic.ca	Room 283 (Business Student Services Office), Business and Economics Building	250-472-4728
Faculty of Education	www.educ.uvic.ca	Teacher Education: Room A250, MacLaurin Building	250-721-7877
		Kinesiology, Recreation and Health Education: Room 115, McKinnon Building	250-721-6554
Faculty of Engineering	www.engr.uvic.ca	Engineering: Room A206, Engineering Office Wing	250-721-6018
		Computer Science: Room 512, Engineering and Computer Science Building	250-472-5757
		Software Engineering: Room B210, Engineering Lab Wing	250-721-6023
Faculty of Fine Arts	www.finearts.uvic.ca	Room 119, Fine Arts Building	250-472-5165
Faculty of Graduate Studies	www.uvic.ca/gradstudies	Contact individual departments for information.	
Faculty of Human and Social Development	www.hsd.uvic.ca	Child and Youth Care: Room B146, HSD Building	250-721-7984
		Dispute Resolution: Room A123, FRA Building	250-721-6446
		Health Information Science: Room A202, HSD Building	250-721-8575
		Indigenous Governance: Room A260, HSD Building	250-721-6438
		Nursing: Room A402, HSD Building	250-721-7954
		Public Administration: Room A302, HSD Building	250-721-8055
		Social Work: Room B302, HSD Building	250-721-8047
		Studies in Policy and Practice: Room B202, HSD Building	250-721-8204
Faculty of Humanities	web.uvic.ca/advising	Room A205, University Centre	250-721-7567
Faculty of Law	www.law.uvic.ca	Room 117, Murray and Anne Fraser Building	250-721-8151
Faculty of Science	web.uvic.ca/advising	Room A205, University Centre	250-721-7567
Faculty of Social Sciences	web.uvic.ca/advising	Room A205, University Centre	250-721-7567



WHERE CAN I GET ADVICE ABOUT MY STUDIES?

If you are still trying to settle on your academic goal or decide what you want to do after university, the UVic Career Resource Centre can help. Visit their website at <www.coun.uvic.ca/career/> to get an idea of the services available, or drop by their office in the Campus Services Building.

For help with choosing a program of studies, contact the advising service in the faculty or program you're planning to enter. Academic advisers are a great resource for students. Advisers can help you plan your program, decide which courses to take and find out which courses you can transfer to UVic.

Advising services for each faculty and program are listed in the table at left.

HOW DO I REGISTER FOR COURSES?

Once you have received an offer of admission and paid your acceptance deposit, you will register online for courses through uSource. You'll receive an admission package giving you detailed instructions once your application is accepted.

HOW MUCH WILL IT COST?

The answer depends on your faculty or program, how many courses you take, your transportation costs, and your living arrangements. Here are the typical costs for the 2010-2011 academic year for a student taking 15 units of courses.

Domestic Tuition fees	\$4766
International Tuition fees	\$15421
Student society fees	\$146
Athletics and recreation fee	\$150
UVSS health plan	\$160
UVSS dental plan	\$125
UPass bus pass	\$139
Books and supplies, up to	\$1700
Board and room for 8 months	
on-campus, single (average)	\$6604
on-campus, double (average)	\$5800
off-campus	\$5830-6830

Of course, your costs may be higher or lower than this, depending on the program you're taking and your living costs.

WHAT FINANCIAL HELP CAN I GET?

For most students, a university education requires considerable financial planning. The Student Awards and Financial Aid office is the place to get information and advice about funding your studies. Visit their website at <registrar.uvic.ca/safa/>.

Here are some of the options worth exploring.

Student loans:

The provincial and federal governments offer loans to students who need help funding their education. To qualify for a loan, you must be taking at least 4.5 units of courses (usually, three courses) for credit each term and show that you need financial assistance. Students with a permanent disability must be taking 3.0 units of courses for credit each term.

Work study:

This program provides jobs on campus to students requiring financial assistance.

Scholarships:

Scholarships, medals and prizes are awarded to students for excellence in their academic studies. They do not have to be repaid. The scholarships website is <registrar.uvic.ca/safa/>.

Bursaries:

Bursaries provide assistance to students who need financial help. They do not have to be repaid. There are bursaries for students entering UVic from secondary school or college, and for students who are already attending UVic.

You'll find complete information on all of these sources of financial help at the Student Awards and Financial Aid website at <registrar.uvic.ca/safa/>.

WHAT IS CO-OP EDUCATION?

Co-op education allows students to combine their academic studies with paid work experience related to their field of study. Co-op is one of the best ways of gaining work skills and experience so that you're well prepared for the job market after graduation.

UVic's Co-op Education Program is one the largest in Canada. Co-op programs are available in all faculties and offer everything from Chemistry to Women's Studies. Visit the Co-op Programs website at <www.coop.uvic.ca> for a list of all the co-op programs at UVic and for information on becoming a co-op student.

HOW DO I GET MY STUDENT CARD?

You must wait at least 24 hours after you register, then visit the Photo ID and Information Centre in the lobby of the University Centre to have your photo taken for your student ID card. This card will serve as your library card, Athletics and Recreation pass and student bus pass. For information, go to <www.uvic.ca/photoid>.

HOW DO I FIND MY WAY AROUND CAMPUS?

A campus tour is a good way to see our busy and friendly campus. Our student guides provide an overview of UVic's student support services and share their experience. To find out more about campus tours, please visit <www.uvic.ca/tours>.

The New Student Orientation Program is another great way to prepare for life at UVic. The program gives you exclusive access to important UVic services before classes begin. Tour the campus, meet friendly people and find out about UVic's many student services. For more information about the September 2010 New Student Orientation, please visit our website: <www.uvic.ca/orientation>.

During the first week of September, look for the ASK ME sign in the lobby of the University Centre where you can get answers to any questions you have about UVic.

Get a free handbook/calendar from the UVic Students' Society (UVSS) in the Student Union Building (SUB). The handbook contains a daily planner to help you get organized, a guide to services at UVic and a phone directory.

The UVSS also sponsors Weeks of Welcome (WOW) during September. This is a fun way to make friends, join clubs and find out about services available in the SUB. Find out more about WOW events at <www.uvss.uvic.ca> or <web.uvic.ca/gss>.

*Good luck with your studies.
And again, welcome to UVic!*

2010-2011 Academic Year Important Dates

In recognition of the fact that the University of Victoria is a diverse community, the Office of Equity and Human Rights has compiled a list of high holy days available at their website. Faculty and staff may wish to refer to this list in responding to requests from members of religious groups for variations in examination schedules due to religious observances.

WINTER SESSION—FIRST TERM

September 2010

6	Monday	Labour Day*
7	Tuesday	First-year registration and opening assembly for Faculty of Law
8	Wednesday	First term classes begin for all faculties
16	Thursday	Last day for course changes in Faculty of Law
21	Tuesday	Last day for 100% reduction of tuition fees for first-term and full-year courses
24	Friday	Last day for adding courses that begin in the first term
30	Thursday	Last day for paying first-term fees without penalty

October 2010

1	Friday	Senate meets
11	Monday	Thanksgiving Day*
12	Tuesday	Last day for 50% reduction of tuition fees. 100% of tuition fees will be assessed for courses dropped after this date
20	Wednesday	Senate Committee on Academic Standards meets to approve convocation lists
31	Sunday	Last day for withdrawing from first-term courses without penalty of failure

November 2010

5	Friday	Senate meets
10–12	Wed-Fri	Reading Break (except Faculty of Law)
10, 12	Wed, Fri	Fall Convocation
11	Thursday	Remembrance Day*

December 2010

1	Wednesday	Deadline to apply to graduate for Spring convocation
2	Thursday	Last day of classes in Faculty of Law
3	Friday	Senate meets Last day of classes in first term, except Faculty of Law and Faculty of Human and Social Development** <i>National Day of Remembrance and Action on Violence Against Women. Classes and exams cancelled 11:30 – 12:30.</i>
6	Monday	First-term examinations begin, including the Faculty of Law except the Faculty of Human and Social Development**
17	Friday	First-term examinations end for Faculty of Law
20	Monday	First-term examinations end for all faculties, except for Faculty of Law
25	Saturday	Christmas Day*
26	Sunday	Boxing Day*
25 Dec–Jan 3		University Closed

WINTER SESSION—SECOND TERM

January 2011

1	Saturday	New Year's Day*
4	Tuesday	Second-term classes begin for Faculty of Law
5	Wednesday	Second-term classes begin in all faculties except for Faculty of Law
7	Friday	Senate meets
13	Thursday	Last day for course changes in Faculty of Law
18	Tuesday	Last day for 100% reduction of second-term fees
21	Friday	Last day for adding courses that begin in the second term
31	Monday	Last day for paying second-term fees without penalty

February 2011

4	Friday	Senate meets
8	Tuesday	Last day for 50% reduction of tuition fees. 100% of tuition fees will be assessed for courses dropped after this date
21–25	Mon-Fri	Reading Break for all faculties
28	Monday	Last day for withdrawing from full-year and second-term courses without penalty of failure

March 2011

4	Friday	Senate meets
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April 2011

1	Friday	Senate meets Last day of classes for all faculties except Faculty of Law and Faculty of Human and Social Development**
4	Monday	Examinations begin for all faculties except Faculty of Human and Social Development and Faculty of Law**
5	Tuesday	Last day of classes for Faculty of Law
8	Friday	Examinations begin for Faculty of Law
21	Thursday	End of Winter Session Examinations end for all faculties, including Faculty of Law
22	Friday	Good Friday*
25	Monday	Easter Monday*

MAY–AUGUST 2011

See Summer Session Calendar for complete dates

May 2011

2	Monday	May–August courses begin, except Faculty of Law***
6	Friday	Senate meets
9	Monday	May and May–June courses begin May–August courses begin in Faculty of Law***
16	Monday	Last day for course changes (Faculty of Law only)***
23	Monday	Victoria Day*
26	Thursday	Senate Committee on Academic Standards meets to approve convocation list

June 2011

1	Wednesday	May courses end
2	Thursday	June courses begin
14–17	Tues-Fri	Spring Convocation
24	Friday	May–June and June courses end
30–1	Thurs-Fri	Reading Break “K” sections only

July 2011

1	Friday	Canada Day* Deadline to apply to graduate for Fall convocation
4	Monday	July and July–August course begin
26	Tuesday	July courses end
27	Wednesday	August courses begin
27–29	Wed-Fri	Supplemental and deferred examinations for Winter Session 2010–2011 (except in BEng programs)
29	Friday	May–August classes end

August 2011

1	Monday	British Columbia Day*
2	Tuesday	May–August examinations begin, except Faculty of Law***
4	Thursday	Last day of classes in Faculty of Law***
8	Monday	Examinations begin in Faculty of Law***
12	Friday	May–August examinations end for all faculties
19	Friday	July–Aug and Aug courses end

* Classes are cancelled on all statutory holidays and during reading breaks. Administrative offices and academic departments are closed on statutory holidays. Holidays that fall on a weekend are observed on the next available weekday, normally on a Monday. The UVic Libraries are normally closed on holidays; exceptions are posted in advance.

** Faculty of Human and Social Development dates to be announced.

*** See Faculty of Law for more details regarding Summer 2011 important dates.



Summer Session

Credit courses offered in the Summer Session period (May-August) are listed in the Summer Session Guide, issued in late February. Off-campus courses, courses offered at the Bamfield Marine Sciences Centre and summer travel study programs are also listed in the Summer Session Guide. Academic rules and regulations published in the main University Calendar, except as described in any Program Supplement to the Calendar, apply to students taking courses in the Summer Session period.

The University reserves the right to cancel courses when enrolment is not sufficient.

For information or a Summer Session Guide, contact:

Coordinator—Curriculum, Calendar and Summer Services
Office of the Registrar, Student Affairs
University Centre
Phone: 250-721-8471; Fax: 250-721-6225
Email: lmorgan@uvic.ca
Website: registrar.uvic.ca/summer

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March 2011						
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June 2011						
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August 2011						
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Application and Documentation Deadlines

The deadlines below are fixed dates. If a fixed date falls on a holiday, a Saturday or a Sunday, the nearest following day of business will be considered the deadline. The University reserves the right to make changes as necessary.

FACULTY/PROGRAM		ENTRY POINT	APPLICATION DEADLINE	DOCUMENT DEADLINE
EARLY ADMISSION – BC APPLICANTS				
Current graduating BC secondary school applicants only, all faculties		September	February 28	May 15 (For all documents other than final grades.)
EARLY ADMISSION – OUT OF PROVINCE				
Current graduating out-of-province secondary school applicants (Out-of-Province, US, including International American/Canadian curriculum schools)		September	February 28	May 15 (For all documents other than final grades.)
INTERNATIONAL APPLICANTS (Official in-progress transcripts are required at time of application)				
Students must comply with International Applicant deadlines unless an earlier deadline is required by a specific faculty or program		September January May or July	April 30 October 15 January 31	May 31 (all programs) November 1 (all programs) February 28
BUSINESS* (Official in-progress transcripts are required at time of application)				
Domestic and International students		September	February 28	March 15
International students only		January	August 31	September 30
EDUCATION* (Official in-progress transcripts are required at time of application)				
Elementary Teacher Education Programs		September	January 2	May 31
Secondary Teacher Education Programs	Post Degree Program (PDPP)	September	January 2	May 31
	Five-Year BEd (Art, Music, PE)	September	January 31	May 31
School of Exercise Science, Physical and Health Education (BA, BSc, BEd)		September	January 31	May 31
ENGINEERING				
BEng and BSEng		September	April 30	May 31
BSc (Computer Science)		September January May	May 15 October 31 March 31	July 1 November 30 April 30
Engineering Bridge (Applicants contact Camosun College)		January	February 15	March 15
FINE ARTS (Official in-progress transcripts are required at time of application)				
History in Art		September January May	May 15 October 31 March 31	July 1 November 30 April 30
Music*, Writing		September	March 31	May 31
Theatre*, Visual Arts*		September	February 28	May 31
HUMAN & SOCIAL DEVELOPMENT (Official in-progress transcripts are required at time of application)				
Child and Youth Care*		September	February 28	April 1
Pre-Child and Youth Care (distance only)*		September January May	February 28 June 15 November 1	May 1 August 15 January 1
Health Information Science*		September January	March 31 October 31	July 1 November 30
Nursing*		September January	March 31 September 30	May 15 November 15
Social Work*		September May	January 15 January 15	January 31 January 31
Pre-Social Work (on and off campus)		September January May July	May 15 October 31 March 31 April 30	July 1 November 30 April 30 May 31
Public Sector Management, Local Government Management Diploma, Professional Specialization Certificates*		September January May	May 31 October 15 February 15	July 15 November 15 April 1
HUMANITIES/SCIENCE/SOCIAL SCIENCES				
New and reregistering students		September January May July	May 15 October 31 March 31 April 30	July 1 November 30 April 30 May 31
Humanities Diploma		January	September 30	September 30
LAW (Dates subject to change)				
First Year		September	February 1	
Upper Level		Sept/Jan	June 30	
Summer Session		May	March 31	

CONTINUING STUDIES DIPLOMAS & CERTIFICATES: For entry points and deadlines, contact the Division of Continuing Studies or visit <continuingstudies.uvic.ca>.

* These programs require supplemental materials; please contact the faculty/department directly.



Terms Used at UVic

Academic Drop Date:

Last day for dropping courses without penalty of failure.

Associated Section:

See Linked Section. Normally, a laboratory or tutorial that accompanies a lecture. Also called Linked Section.

Auditor:

A student who pays a fee to sit in on a course without the right to participate in any way. Auditors are not entitled to credit.

Award:

See list of definitions under Scholarships and Awards.

CAPP:

(Curriculum Advising and Program Planning) a degree audit which outlines the program requirements needed for degree completion and matches a student's course record against those requirements (formerly PADRE).

Confirmation of Registration:

A confirmation of registered courses, including courses that are wait-listed, is available via uSource.

Co-operative Education:

A program of education which integrates academic study with work experience.

Corequisite:

A specific course or requirement that must be undertaken prior to or at the same time as a prescribed course, or a course required by a department for a degree program but offered by another department.

Course:

A particular part of a subject, such as English 115.

Department:

In academic regulations, this covers any academic administrative unit, including a department, school, centre or faculty as the context requires.

Discipline:

A subject of study within a department.

Full-Time Student:

An Undergraduate registered in 12 or more units of study in the Winter Session (September to April) or 6 or more units in Summer Studies (May to August).

General:

A program which requires 9 units at the 300 or 400 level in each of two disciplines.

Grade Point:

A numerical value given to an alphabetical letter grade used in assessment of academic performance.

Graduate Student:

A student who has received a Bachelor's degree or equivalent and who is enrolled in a program leading to a Master's or Doctoral degree.

Honours:

A program which involves a high level of specialization in a discipline and requires 18 or more units in that discipline at the 300 or 400 level.

Letter Grade:

Any of the letters used in the grading system.

Linked Section:

Normally, a laboratory or tutorial that accompanies a lecture. Also called Associated Section.

Lower Level Courses:

Courses numbered from 100 to 299.

Mailing Address:

The one address to which selected communications from the Office of Registrar and Enrolment Services (OREG) or other University offices will be sent. This address should be updated by the student through uSource (Address Change).

Major:

A program that involves specialization in a discipline and requires 15 or more units in that discipline at the 300 or 400 level.

Minor:

An optional program that allows students to study in an area outside of their Honours, Major or General Program areas; requirements vary and are prescribed by each department.

Mutually Exclusive Courses:

Courses with a different course/number and the same course content. Students will not receive credit for courses identified as mutually exclusive.

NetLink-ID:

A unique personal identifier which is used as your "username" for various services provided by the University of Victoria.

Non-Standard Course Dates:

Fee reduction and drop deadlines are based upon a percentage of the duration of a course. The duration of a course is end date minus start date plus 1 (i.e. the first day counts as 1). A table of non-standard date courses for Winter Session can be found under "Non-Standard Course Dates", page 42. All tuition fee reductions are subject to retention of the acceptance deposit (new students). Please see <finance.uvic.ca/tuition>.

Non-Standard Course Table:

The start and end dates are different than standard course dates for a section offered in the current Winter Session. The fee reduction and academic drop dates are calculated based on this variation of dates. Check <registrar.uvic.ca> or the appropriate registration guide for the "non-standard courses" list.

Online Registration:

Registration via <usource.uvic.ca>.

Online Timetable:

Provides students with current course timetable information via the Web, including current information on open sections and the number of wait-listed students: <www.uvic.ca/timetable>.

Part-Time Student:

An undergraduate student undertaking fewer than 12 units of study in the Winter Session or fewer than 6 units in Summer Studies.

Permission:

Registration in some courses requires permission from the Department. Registration is done through the Department. See also: Registration Restriction.

Plagiarism:

A form of cheating by means of the unacknowledged, literal reproduction of ideas and material of other persons in the guise of new and original work.

Prerequisite:

A preliminary requirement which must be met before registration is permitted in a prescribed course.

Primary Section:

Normally a lecture section.

Probation:

An academic standing assigned when minimum GPA requirements are not met and academic conditions apply.

Program:

The courses of study organized to fulfill an academic objective, such as a BSc Major Chemistry program.

Registered Student:

A person enrolled in at least one credit course at this university.

Registration:

The process of formally enrolling in courses.

Registration Restriction:

Registration in a course or section that is limited based on factors such as program, year and degree.

Regular Student:

A student who is registered as a candidate for a University of Victoria degree, or in credit courses leading to a University of Victoria diploma or certificate.

Section:

The division of a course, e.g., Section A01 of French 100.

Session:

The designated period of time during which courses of study are offered (Winter Session, September to April; Summer Session, May to August).

Special Status:

A status assigned to a student who is admitted to register in credit courses but who is not a candidate for a University degree, diploma, or certificate program. This status includes Non-degree, Qualifying, and Visiting (students attending on the basis of a Letter of Permission from another institution).

Standard Course Dates:

The start and end dates correspond to the published first and last day of classes for a section offered in the Winter Session or Summer Session.

Student:

A person who is enrolled in at least one credit course at this University.

Term:

A period of time within an academic session.

Transcript:

A copy of a student's permanent academic record.

Transfer Credit:

Credit assigned to the academic record for courses successfully completed at another recognized institution.

Unclassified:

Refers to the year in which certain students are registered. Normally applied to non-degree, visiting or diploma students.

Undergraduate Student:

A student registered in an undergraduate faculty or in a program leading to a Bachelor's degree or an undergraduate diploma.

Unit:

Positive numerical value used in assigning the value of a course, such as English 115 (1.5 units). See also: Term.

Upper Level Courses:

Courses numbered from 300-499.

uSource:

Web access to student records online at <usource.uvic.ca>.

Visiting Status:

A student who is not formally admitted to a UVic degree program but is permitted to enrol in credit courses for a specified period on the basis of a Letter of Permission from another institution.

Year:

The level within a program of study, or the level of the course. For example, First-year student, First-year course (Physics 102).

Year Level Determination:

Below 12 units	.....	First Year
12 to 26.5 units	.....	Second Year
27 to 41.5 units	.....	Third Year
42 units or above	.....	Fourth Year (4-year programs)
42 to 56.5 units	.....	Fourth Year (5-year programs)
57 units or above	Fifth Year (5-year programs)

Special Students are unclassified as to year.

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General Information



Known for excellence in teaching, research, and service to the community, the University of Victoria serves nearly 19,000 students. It is favoured by its location on Canada's spectacular west coast, in the capital of British Columbia.

Information for All Students

Academic Sessions

The Winter Session is divided into two terms: the first, September to December; the second, January to April. The period May through August is administered under the Summer Session. The Summer Session Calendar is published separately (see page 7 for information).

Calendar Changes

The official academic year begins on July 1. Changes in calendar regulations normally take effect with the beginning of the Winter Session in September. Nevertheless, the University reserves the right to revise or cancel at any time any rule or regulation published in the Calendar or its supplements.

The Calendar does not include information on when courses will be offered. Up-to-date timetable information is available from individual department offices and from the Office of the Registrar (OREG) website <registrar.uvic.ca>. Amendments to the timetable are incorporated into the Web TimeTable, which is accessible at the website: <www.uvic.ca/timetable>.

Categories of Students

Each student who has been authorized to register in a faculty or program is designated as one of the following:

- **Regular student:** A student admitted to credit courses as a candidate for a degree, diploma, or certificate.
- **Special student:** A student admitted to credit courses but not a candidate for a degree, diploma, or certificate.
- **IEX:** A visiting student who is attending UVic on an International Exchange Program
- **OEX:** A UVic student who is attending another institution on an International Exchange Program

For categories of graduate students, see the UVic Graduate Calendar.

Classification of Undergraduates by Year

Classification of regular students by year is normally based on the number of units awarded, as follows:

Below 12 units	First Year
12 to 26.5 units	Second Year
27 to 41.5 units	Third Year
42 units or above	Fourth Year (4-year programs)
	Fourth Year*
42 to 56.5 units	Fifth Year*
57 units or above	

* Five year programs only

Special students are not classified by year.

Course Values and Hours

Each course offered for credit has a unit value. A full-year course with three lecture hours per week through the full Winter Session from September to April normally has a value of 3 units. A half-year course with three lecture hours per week from September to December or from January to April normally has a value of 1.5 units. A 3-unit course (3 hours of lectures per week throughout the Winter Session) approximates a 6 semester-hour or a 9 quarter-hour course. A

course of 1.5 units approximates a 3 semester-hour or a 4.5 quarter-hour course.

Student Cards

All students require a current University of Victoria Identification Card. The card is the property of the University and must be presented upon request as proof of identity at University functions and activities. The electronic/digital records of the student card may be used for administrative functions of the University, including but not limited to, examinations, instruction, and campus security. Photo ID cards can be obtained, 24 hours following registration, at the ID Card Centre, University Centre Lobby.

Limit of the University's Responsibility

The University of Victoria accepts no responsibility for the interruption or continuance of any class or course of instruction as a result of an act of God, fire, riot, strike or any cause beyond the control of the University of Victoria.

Program Planning

Students are responsible for the completeness and accuracy of their registrations and for determining the requirements of their program at UVic. Please read the Calendar for information about programs and courses. Further information about program regulations or requirements is available from the appropriate faculty advising service or department.

Students who intend to complete a year or two of studies and then transfer to another university are urged to design their program so that they will meet the requirements of the other institution they plan to attend. Suggested first-year courses for students planning to do professional studies at another institution are presented on page 30.

Protection of Privacy and Access to Information

All applicants are advised that both the information they provide and any other information placed into the student record will be protected and used in compliance with the *BC Freedom of Information and Protection of Privacy Act (1992)*.

Notification of Disclosure of Personal Information to Statistics Canada

Statistics Canada asks all colleges and universities to provide data on students and graduates, including student identification information (student's name, student ID number, Social Insurance Number), student contact information (address and telephone number), student demographic characteristics, enrolment information, previous education, and labour force activity. The information may be used for statistical purposes only, and the confidentiality provisions of the Statistics Act prevent the information from being released in any way that would identify a student.

Students who do not wish to have their information used can ask Statistics Canada to remove their identifying information from the national database.

Further details are available at the Statistics Canada website: <www.statcan.ca/english/concepts/ESIS/index.htm>.

Schedule of Classes (Timetable)

The schedule of undergraduate classes for the Winter Session is available from the Web TimeTable, which is accessible at the website <www.uvic.ca/timetable>.

University's Right to Limit Enrolment

The University reserves the right to limit enrolment and to limit the registration in, or to cancel or revise, any of the courses listed. The curricula may also be changed, as deemed advisable by the Senate of the University.

General University Policies

Students should check the Calendar entries of individual faculties for any additional or more specific policies.

POLICY ON INCLUSIVITY AND DIVERSITY

The University of Victoria is committed to promoting, providing and protecting a positive, supportive and safe learning and working environment for all its members.

ACCOMMODATION OF RELIGIOUS OBSERVANCE

The University recognizes its obligation to make reasonable accommodation for students whose observance of holy days might conflict with the academic requirements of a course or program.

Students are permitted to absent themselves from classes, seminars or workshops for the purposes of religious or spiritual observance.

In the case of compulsory classes or course events, students will normally be required to provide reasonable notice to their instructors of their intended absence from the class or event for reasons of religious or spiritual observance. In consultation with the student, the instructor will determine an appropriate means of accommodation. The instructor may choose to reschedule classes or provide individual assistance.

Where a student's participation in a class event is subject to grading, every reasonable effort will be made to allow the student to make up for the missed class through alternative assignments or in subsequent classes. Students who require a rescheduled examination must give reasonable notice to their instructors. If a final exam cannot be rescheduled within the regular exam period, students may contact Undergraduate Records to apply for a Request for Academic Concession.

To avoid scheduling conflicts, instructors are encouraged to consider the timing of holy days when scheduling class events.

A list of days of religious observances is available at the following website: <web.uvic.ca/eqhr>.

DISCRIMINATION AND HARASSMENT POLICY

The University of Victoria is committed to providing an environment that affirms and promotes the dignity of human beings of diverse backgrounds and needs. The Policy prohibits discrimination and harassment and affirms that all members of the University community—its students, faculty, staff, and visitors—have the right to par-

ticipate equally in activities at the University without fear of discrimination or harassment. Members of the University community are expected to uphold the integrity of the Policy and to invoke its provisions in a responsible manner. All persons within the University who are affected by the Policy, particularly the parties to a complaint, are expected to preserve the degree of confidentiality necessary to ensure the integrity of the Policy, the process described in the Policy, and collegial relations among members of the University community. The Policy is to be interpreted in a way that is consistent with these goals, with the principles of fairness, and with the responsible exercise of academic freedom.

The Policy addresses discrimination, including adverse effect discrimination, and harassment, including sexual harassment, on grounds protected by the British Columbia Human Rights Code. Prohibited grounds for discrimination are race, colour, ancestry, place of origin, political belief, religion, marital status, family status, physical or mental disability, sex (including gender identity), sexual orientation, age, or conviction of a criminal offence when unrelated to employment. It also addresses personal harassment, sometimes called worksite harassment.

The Discrimination and Harassment Policy and Procedures are administered by the Equity and Human Rights Office. Persons who experience or know of harassment or discrimination may contact the Office by phoning 250-472-4121 for confidential advice and information. Definitions are included in the *Discrimination and Harassment Policy and Procedures* (Policy 1150) which can be found on the office website, <www.uvic.ca/eqhr>.

STUDENT DISCIPLINE

A student may be reported to the President for disciplinary action and may be suspended, subject to appeal to the Senate, for misconduct, including such matters as a breach of University regulations or policy (for example, Harassment Policy and Procedures, Violence and Threatening Behaviour Policy, Computing and Telecommunications User Responsibilities Policy), a breach of a provision in the University Calendar, or a violation of provincial law or a law of Canada. In particular, a student may be reported for unlawfully entering a building or restricted space on University property, providing false information on an application for admission or other University document, or participating in hazing, which is prohibited by University regulation.

Academic Services

ACADEMIC ADVISING

Each undergraduate faculty provides academic advising services for students contemplating studies at the undergraduate level. Contact information for the academic advising services is listed on page 4 and in the individual faculty entries in this Calendar. Students are encouraged to read the appropriate Calendar entries for the faculty, department and program they wish to enter in order to determine prerequisites and other program requirements.

Students planning graduate studies at UVic should contact the Graduate Adviser in the department they wish to enter.

CO-OPERATIVE EDUCATION PROGRAM AND CAREER SERVICES

The Co-operative Education Program and Career Services offers an integrated career-related service to students, employers, faculty and staff.

For Career Services, our mission is to support students success through career development expertise and by facilitating connections among students, alumni, employers and other community members.

Services Offered

- individual coaching and group sessions on exploring career options, connecting with career and work opportunities and managing career transitions are available to all current students, new graduates and alumni
- tips on resume, CV and cover letter preparation; interviews and work search
- online postings for part-time, summer, career and on-campus opportunities
- career resource library
- career fairs, career forums and employer information sessions
- registration in the casual job registries
- use of computers for work search purposes

Career Services' information is also displayed on notice boards around campus and on the Career Services' website.

Campus Services Building

Hours: Mon-Fri 8:30-4:30

Phone: 250-721-8421

Web: <www.careerservices.uvic.ca>

UNIVERSITY SYSTEMS

University Systems (Systems) provides computing and networking support to UVic students' learning and research needs. Students may use Systems-supported PC and Macintosh work stations in our four computing facilities (in CLE, HSD, BEC). There, students will also find pay-for-printing facilities, extensive technical assistance and basic instruction for email, conferencing, online learning, Microsoft Word, Power-Point, Excel. Check our website at <www.sfg.uvic.ca>.

Students must create a NetLink ID, your online identification at the University of Victoria. Your NetLink ID is your key to accessing all computing services at UVic. The following are some of the important computing services that require a NetLink ID:

- USource - the campus portal
- The Student Registration System
- Email
- Library resources
- Online learning systems - Blackboard, Moodle, WebBoard and other course material
- Wireless Internet access

More information on how to get an account can be found on the NetLink web page at <<https://netlink.uvic.ca>>. For assistance creating a NetLink ID contact the Computer Help Desk at <helpdesk@uvic.ca>.

Systems supports many academic applications, including email, database management, graphics, printing, Web tools, statistical analysis, simu-

lation, a comprehensive range of programming languages and scientific applications, and text processing. Newsletters, documentation, consulting and non-credit courses on software are also available.

Systems provides audiovisual, portable computing and multimedia support for teaching and learning activities. For users with special media requirements, consulting services are available for complex integrated video, audio, and control systems, and non-credit training in the use of media technology.

The UVic Computer Store sells educational discounted software, hardware and accessories to students, faculty and staff (some restrictions apply - see store staff for details.) The Computer Store also provides hardware repair services for computers both in and out of warranty, and coordinates site-license agreements and volume discounts for specialized academic software. More information on products and services is available at <cstore@uvic.ca>.

In order to provide online access, Systems operates the campus backbone network, a number of local area networks connected to it, a growing wireless network and connections to the Internet, BCNET and Ca*net. High speed access to our services is available via Shaw cable, Telus ADSL, and other service providers.

Systems also supports the information processing requirements of the University administration (e.g., library administration and circulation controls, payroll, budgets, accounts payable, and student records).

Computer Help Desk

Clearihue A004

Phone: 250-721-7687

Web: <helpdesk.uvic.ca>

Computer Store

Clearihue C143

Phone: 250-721-8321

Web: <cstore.uvic.ca>

ENGLISH AS A SECOND LANGUAGE COURSE

The Department of Linguistics offers a non-credit course in English for students whose native language is not English. For details, see LING 099 in the course listings of the Calendar.

THE LEARNING AND TEACHING CENTRE

The Learning and Teaching Centre at the University of Victoria supports and enhances the teaching improvement efforts of those who instruct at UVic through increased awareness of current research and teaching strategies in higher education. Our goal is to offer consultation to instructors and academic units, as well as foster an exchange of ideas to improve instructors' ability to provide an optimal learning experience to all students.

LIBRARIES

The University of Victoria library system is the second largest research library in British Columbia and the largest on Vancouver Island. The Libraries support teaching, learning and research at the University of Victoria by providing expert and innovative access to the world's recorded knowledge.

The Libraries website at <library.uvic.ca> provides access to the Libraries' print and online resources, including electronic journals, indexes and databases. The Libraries website also offers a wide range of online user services, such as renewal and recall of items, reference help and interlibrary loans. The Libraries website is available at over 200 workstations in the libraries and can be accessed from home and the office 24 hours a day.

Facilities include individual and group study seating for over 1,500 students. Wireless Internet access is available in the McPherson Library and the Priestly Law Library. Facilities are provided for the use of audio-visual, microform and CD-ROM materials, and a Learning Commons includes workstations with word-processing, spreadsheet and presentation software. An experienced staff is available to assist students and faculty in taking fullest advantage of the Libraries' resources. Individual or group instruction is available upon request. An INFOLINE Service is available for students enrolled in Distance Education credit courses who are located off campus.

Collectively, the libraries house over 1.9 million print volumes, 2.3 million microform items, 199,000 cartographic items, 40,000 serials including 7,400 current print journals and 20,700 current electronic journals, 66,000 sound recordings, 36,000 music scores, 8,600 films and videos and 1,175 linear metres of manuscripts and archival material.

McPherson Library (Mearns Centre for Learning) Contains all of the library collections (except Law and Curriculum resources), as well as reserve materials, cartographic materials, music and media materials, microforms, Special Collections and the University Archives.

Diana M. Priestly Law Library (Fraser Building) Contains over 182,000 books, journals and federal and provincial parliamentary and legislative materials, and over 300,000 microforms of primary and secondary historical legal materials. The Law Library's catalogue is available online at <voyager.law.uvic.ca>.

Curriculum Library (MacLaurin Building) Primarily serves the learning, teaching and research needs of Education students.

UNIVERSITY PUBLICATIONS

Admissions Preview Handbook

Designed for undergraduate students both domestic and international. Provides an overview of UVic, including student profiles, international opportunities, services for students, athletics, recreation and clubs, finances, programs, admission requirements and application procedures. Available from Undergraduate Admissions.

Aboriginal Student Handbook

Designed for Aboriginal applicants. Provides an overview of programs and services that may be of particular interest to Aboriginal applicants, including student and faculty profiles. Available from Undergraduate Admissions.

Pre-professional Guide

A guide for students who plan to complete some studies at UVic before transferring to another institution in order to complete a professional

program such as dentistry, medicine, optometry, etc. Available from Undergraduate Admissions.

Student Awards and Financial Aid

Provides information for new students about funding sources, expected costs and strategies for balancing their budget. Available from Undergraduate Admissions.

Continuing Studies Calendar

Lists non-degree programs; issued in the fall and spring. Available from Continuing Studies.

Graduate Studies Handbook

Provides information about UVic graduate programs offered and the procedures to follow to apply for admission. Available from the Graduate Admissions and Records Office.

Malahat Review

An international quarterly of contemporary poetry, short fiction, creative nonfiction, and reviews, edited by John Barton. For information about contests, submissions, and subscriptions, visit <www.malahatreview.ca>.

E-News Bulletin

A bulletin announcing changes in admission regulations or procedures, new programs and items of general interest. The E-News Bulletin is distributed to BC schools and colleges 6 to 8 times a year. Note that selected schools across Canada will be included in the distribution.

The Ring

A newspaper published by UVic Communications monthly, except August, and distributed on campus free of charge. It is available on the web at <http://ring.uvic.ca>

Summer Session Guide

Lists offerings available in the May through August period. Available from the Coordinator—Curriculum, Calendar and Summer Services (250-721-8471; email: lmorgan@uvic.ca).

Distance Learning and Immersion Course Guide for Off Campus Students

Lists credit and certificate offerings available to off campus students. Available from the Coordinator—Curriculum, Calendar and Summer Services (250-721-8471; email: lmorgan@uvic.ca).

The UVic Torch Alumni Magazine

Published biannually by the Division of External Relations and the UVic Alumni Association, and mailed to alumni free of charge.

Student Services

Student Services comprise the administrative units of the university that help students maintain their physical, social, emotional, spiritual and financial health while they pursue their academic and career goals at UVic.

ATHLETICS AND RECREATION

McKinnon Building
Phone: 250-721-8406

Web: <www.athrec.uvic.ca>

The Department of Athletics and Recreation provides a comprehensive program of sports and recreation for UVic students.

Athletics

The Athletics program is available to full-time students at the University. Through the program, athletically gifted student-athletes are provided with high quality coaching and high levels of competition that permit them to pursue athletic excellence while studying at UVic. Sports currently offered for men and women include: basketball, cross-country/track, field hockey, golf, rowing, rugby, soccer and swimming. UVic teams participate in Canadian Interuniversity Sport (CIS), Canada West University Athletic Association (CWUAA), as Independents in the National Association of Intercollegiate Athletics (NAIA) and in various high-level leagues in southwest British Columbia.

Recreation

The Recreation program includes instructional classes, special events, aquatics, racquet sports, group fitness, outdoor recreation, intramural sports and recreational clubs. Classes in these activities are offered each term for a nominal fee. The intramural program provides co-educational competitive and recreational activities in such sports as volleyball, basketball, soccer and ice hockey. Instructional courses include martial arts, dance, racquet sports and wellness programs.

Recreation Facilities

Use of the facilities and participation in the programs of Athletics and Recreation is open to students and to faculty and staff who have acquired a Vikes Recreation membership card. Family memberships for faculty, staff and students are also available.

The campus has several playing fields, including a double-wide artificial turf, Centennial Stadium (4500 seats), tennis courts and miles of jogging trails through the woods and along Cadboro Bay. A sailing compound, the Simpson Property and the Elk Lake Rowing Centre are also available.

The McKinnon Building includes a gymnasium, dance studio, weight-training room, 25-metre L-shaped pool, squash courts, and change room and shower facilities. The Ian H. Stewart Complex includes a field house, gymnasium, 18,000 square foot fitness/weight centre, 25-metre outdoor pool, tennis, squash, racquetball and badminton courts, an ice rink, and change room and shower facilities. The Outdoor Recreation Centre, located at the Ian H. Stewart Complex, has outdoor equipment available to members on a rental basis.

BOOKSTORE

Campus Services Building

Hours: Mon-Fri, 8:30-5:30

(Sept-Apr: Wed, 8:30-7:00)

Saturday: 11:00-5:00

Phone: 250-721-8311

Web: <www.uvicbookstore.ca>

The UVic Bookstore is owned and operated by the University. The Bookstore operates on a break-even basis and provides a variety of items essential to academic success. All textbooks requested by faculty are stocked in the store. Textbook listings are available in-store and online, three weeks prior to the beginning of each term. At the beginning and end of each semester, the Bookstore buys back used textbooks at up to 50% of the new book retail price if they're in demand.

The Bookstore's general book department carries a comprehensive selection of both academic and general titles and can special order any book in print that is not currently stocked. The Bookstore also distributes academic calendars and handles regalia rentals for grads.

The Bookstore offers a wide selection of contemporary UVic crested clothing and giftware, school and stationery supplies and has a unique gift section. The UVic Bookstore is truly a one-stop-shop.

Everything you need to know about the Bookstore's products, services, events, sales and contests is at <www.uvicbookstore.ca>.

Finnerty Express

Campus Services Building
Hours: Mon-Fri 7:30am-8:00pm
Sat-Sun: 11:00-5:00
Phone: 250-472-4594

Located on the lower level of the Bookstore, Finnerty's sells organic, fairly-traded coffee, locally baked goods, lunch selections, candy, cold drinks, grocery and personal care items, newspapers, stamps, and more.

CHAPEL

Hours: Mon-Fri 8:00-5:30
Phone: 250-721-8338
Web: <www.uvic.ca/chapel>

UVic's Interfaith Chapel provides the campus community with a peaceful and scenic location for religious services, personal meditations, and special ceremonies such as weddings and memorials. The Chapel is located beside parking lot #6. For booking enquiries, please call or visit our website.

CHILD CARE SERVICES

Complex A, B, C
Hours: Mon-Fri (hours vary)
Phone: 250-721-8500
Web: <childcare.uvic.ca>

Three full-time centres for children of students, staff and faculty are located on campus in Complex A. These centres are licensed to take children between the ages of 18 months and 5 years. Complex B houses a licensed out-of-school program for children aged 6 to 12. Complex C opened in September 2001 to care for infants in one centre and toddlers in a second centre. The provincial government pays subsidies, based on income, toward the fees of these non-profit centres, which are staffed by trained personnel. Students who are not eligible for a government subsidy or whose subsidy does not cover child care costs should contact the office of Student Awards and Financial Aid on campus.

Spaces are limited, and there are waitlists for all programs. Where possible, application should be made up to a year in advance of the date child care services are required.

COUNSELLING SERVICES

Room 135 Campus Services Building
Hours: Mon-Fri 8:30-4:30
Phone: 250-721-8341
Web: <coun.uvic.ca>

Counselling Services offers free, confidential counselling to students who have personal, career, learning or educational concerns. For cur-

rent offerings, please visit the Counselling Services website.

Educational and Career Counselling

Counsellors are available to help students explore and plan their career direction.

Educational Counselling offers help to UVic students who want to choose a major suited to their interests, skills and career goals. In addition, we provide assistance in selecting other post-secondary institutions, graduate programs or professional schools. For specific course advising, students are directed to their faculty's advising office.

Career Counselling can assist students in self-exploration to determine which careers best suit them and fit with their life goals and values. Topics for discussion and exploration include, but are not limited to: career exploration skills, short and long term goal setting, decision-making skills, career and occupational options and self-awareness (e.g., values, skills, personality and interests).

We offer:

- individual counselling
- group counselling and workshops (see list below)
- a Career Resource Centre (including a variety of print and electronic educational and career resources)
- interest and personality inventories (interpreted with a trained professional)

Counselling for Studying and Learning

Individual counselling is available to help students develop and refine their ways of learning, as well as to manage the difficulties that arise in adjusting to university demands.

Counselling Services offers courses and activities to help students develop the specific skills needed to succeed in their studies, including:

- **Learning Help Centre in the C. W. Lui Learning Commons:** The Learning Skills Program provides services at our satellite offices in the C. W. Lui Learning Commons on the main floor of the Mearns Centre for Learning. See our website for hours of operation.
- **Learning Skills Course:** This non-credit course is offered throughout the year. It is designed to help students develop better techniques for reading, listening, notemaking, organizing and learning material, problem solving, and writing essays and exams.
- **Study Groups:** On request, Counselling Services will arrange a regular meeting place on campus for a Study Group and/or show students how to use group study to enhance learning.
- **Workshops:** During the Fall and Spring semesters, free workshops are offered on topics such as Time Management, Reading Efficiency, Exam Writing, Note Making, Essay Writing and Class Participation/Public Speaking.
- **Thesis/Dissertation Completion:** Counsellors are available to help graduate students succeed with thesis and dissertation projects through daily goal setting, performance management and group meetings.
- **University Learning Skills Course for New Students:** This special version of the Learning Skills Course is offered in August. It helps new and mature students cope with the transition

to university learning. Contact the Division of Continuing Studies for dates and times.

Counselling for Personal Issues

Professional counsellors provide a confidential atmosphere in which students can explore any topic or situation and discuss any concerns they may have. Some of the personal problems that students bring to Counselling Services are shyness, lack of self-confidence, difficulty communicating with and relating to others, inability to speak up and express themselves, family and relationship conflicts, loneliness, grief, sexual concerns or abuse, depression, anxiety, stress, suicidal thoughts, sexual orientation issues, alcohol and drug concerns, loss of interest, difficulty in making decisions and coping with the university experience. Students are helped to work through their problems, develop self-awareness and overcome problems by using new coping strategies.

Wellness Groups and Workshops

In addition to individual counselling, counsellors offer a number of group programs such as:

- Anger Management
- Anxiety and Panic Attacks
- Assertiveness
- Body Image/Relationship with Food
- Career Exploration/Planning
- Depression Management
- Grief and Loss
- Personal Growth
- Social Anxiety
- Surviving Relationship Breakup

See our website for current group offerings.

International Student Counselling

Individual and group counselling support is available for international students on issues including culture shock, homestay concerns, reverse culture shock, communication, academic system difficulty and dealing with new-found freedom.

Advanced Educational Testing/Computer-Based Testing Centre

Information and Registration Bulletins are available for the DAT, GRE, LSAT, MAT, MCAT, PCAT, SAT, SSAT, and TOEFL. These tests are administered at UVic. The computer-based MCAT, GRE and TOEFL can be taken at the UVic Computer Based Testing Centre located in Counselling Services. For information, call 250-472-4501.

Peer Helping

Room B005 Student Union Building
Hours: Mon-Fri 10:30-3:30
Phone: 250-721-8343
Room 135H McPherson Library Commons
Hours: Mon-Fri 10:30-4:30
Phone: 250-853-3664
Web: <peerhelping.uvic.ca>

Peer helpers are trained, supervised volunteers who offer confidential support to other students. They participate in a variety of outreach programs. Contact the Peer Helpers either at the Drop-In Centre located in SUB B005, the Learning Help Centre in the C. W. Lui Learning Commons on the main floor of the Mearns Centre for Learning, or through the Peer Helping Coordinator at Counselling Services.

FAMILY CENTRE

Student Family Housing
39208-2375 Lam Circle
Hours: email, phone or check website for updates. Regular weekly hours
Phone: 250-472-4062
Web: <web.uvic.ca/family-centre>
Email: familyc@uvic.ca

The Family Centre serves the families of UVic students living on and off campus. Conveniently located in Student Family Housing, the Family Centre co-ordinates family-initiated activities and programs, and offers support to new and experienced families. The Centre also offers a parent-tot group, a toy lending library, a culture club, workshops on personal growth, including parenting, a library, youth programming, a community newsletter and various community building events.

UNIVERSITY FOOD SERVICES

Craigdarroch Office Building
Hours: Mon-Fri 8:30-4:30
Phone: 250-721-8395
Web: <hfcs.uvic.ca/food>

University Food Services provides a full range of food and beverage services, from full meals to snacks and everything in between, at the following locations:

Cadboro Commons Dining Room (Upper Commons)

Full-menu cafeteria—grill, hot entrees, soup, salad bar, sandwiches, desserts, hot and cold beverages

Cap's Bistro Market (Lower Commons)

Deluxe coffees, pizza, custom-made sandwich deli, gourmet desserts

Village Greens (Lower Commons)

Vegetarian entrees, soups and chili, sushi, stir-fry bar, fruit smoothie bar, organic coffees

University Centre Cafeteria

Full-menu cafeteria—hot entrees, grill, soup, salads, sandwiches, pizza, desserts, hot and cold beverages

Sweet Greens (University Centre)

Custom-made sandwich and wrap deli, soup, baked goods, cold beverages, gourmet coffees

Mac's Bistro (MacLaurin Building)

Organic coffees, sandwiches, soup, deluxe baked goods, cold beverages

Nibbles & Bytes Café (Engineering Lab Wing)

Pizza, sandwiches, baked goods, hot and cold beverages

Fraser Café (Fraser Building)

Sandwiches, soup, hot and cold beverages

Biblio Café (McPherson Library)

Organic drip and specialty coffees, gourmet sandwiches and baked goods

Science Café (Science Building)

Organic coffees, calzones, paninis, salads and wraps

Check Food Services' website for hours of operation.

In addition to the above, Food Services operates a comprehensive vending service in buildings where no food outlet is located. Full catering and bar services are available upon request (250-721-8603).

Dining Plus Program

Any member of the UVic community may participate in the Dining Plus Program. The UVic ID card is used much like a debit card; users pay money into an account established with Food Services and receive a 10% bonus. Refunds are not available. To open a Dining Plus account, contact the Food Services Office.

HEALTH SERVICES

Jack Petersen Health Centre
Hours: Mon, Wed-Fri 8:30-4:30
Tues 9:30-4:30
Phone: 250-721-8492*
Web: <www.stas.uvic.ca/health/>

* An on-call physician is available at this number during off-hour periods.

Health Services offers confidential medical treatment and counselling, emergency first aid, birth control, sexually transmitted disease testing and treatment, travel health and immunizations, sports medicine and psychiatric services. While any student may benefit from these services, they are offered primarily for the convenience of students who do not have a regular physician in the Victoria area. Students should have a valid Provincial Health Care Card. Students without valid insurance coverage will be billed directly.

British Columbia Residents

British Columbia students are encouraged to join the Medical Services Plan of BC.

Residents of Other Provinces

Students from other provinces are encouraged to continue their provincial medical coverage and should be able to provide their medical insurance identification number when they visit Health Services. All Canadian provincial plans and those of the Yukon and Northwest Territories are acceptable to University Health Services but may not be acceptable to private physicians' offices, physiotherapy clinics, hospitals, laboratories or other health services. Students carrying any other plan will be billed by the University and may then apply for reimbursement from their medical plan. Students from Quebec can either opt out of their insurance plan and apply to BC MSP, or they can pay for services up-front and seek reimbursement from their Quebec Plan.

Non-residents of Canada

Students who are not residents of Canada must arrange for private sickness and hospital insurance coverage within the first 10 days of class. Private medical insurance provides coverage for three months until the student is eligible to participate in the BC Medical Services Plan. Once eligible, students should maintain their enrolment in the BC Medical Services Plan for the duration of their stay in Canada.

Application forms for private insurance can be picked up at the Health Services office. Students can download an application form for BC Medical Insurance at <www.healthservices.gov.bc.ca/mssp>.

Physiotherapy Clinic

Gordon Head Complex
Phone: 250-472-4057

The Physiotherapy Clinic is available to students, staff, faculty and friends. Treatment is available by

appointment. Referrals are not required for treatment, but may be required by extended health care plans for reimbursement of visit charges. Physiotherapy treatments have a user fee payable at each visit. Students with out-of-province medical coverage are responsible for payment of each visit; a receipt will be issued for reimbursement. ICBC and WCB claimants are welcome.

Academic Concessions Due to Illness

Academic Concession for work that will be completed before course grades are submitted by the instructor.

Notes for missed classes, late assignments, missed labs and missed quizzes are normally provided by Health Services only when required of students by their instructors.

Academic Concession for work that will be completed after course grades are submitted by the instructor.

A formal Request for Academic Concession (RAC) form may be completed in support of:

- a Deferral of a final examination, test or other course work;
- an Extended Deferral of this work;
- an Aegrotat (AEG) notation added to a course grade;
- a Drop of courses without academic penalty after the published Last Day for Withdrawing.

The completed RAC must then be submitted to Undergraduate Records, which will forward it to the appropriate office or individual for assessment. See "Academic Concessions", page 35.

Illness During Examinations

For information on the academic regulations governing illness at the time of examination, see Academic Concessions, page 35.

RESIDENCE SERVICES

Craigdarroch Office Building
Winter Hours: Mon-Fri 8:30-4:30
Summer Hours: Sun-Sat 24 hours
Phone: 250-721-8395
Web: <www.housing.uvic.ca/>

On-Campus Accommodation

The University offers three types of on-campus accommodation for students: Dormitory Housing, Cluster Housing and Family Housing.

Dormitory Housing

- Dormitory Housing provides room and board accommodation in single and double rooms for 1680 students in co-educational, non-smoking dormitories.

- All rooms are furnished with a desk, chair, desk lamp, wardrobe, bed and linen for each student. Cable television, telephone and internet hook-ups are available. Washrooms are centrally located on each floor. Cable television is provided in each floor lounge. Laundry facilities are also available.

- Dormitory Housing is community oriented. A variety of programs are offered which encompass academic, personal, recreational and social development.

- A board package must be taken with Dormitory Housing. The minimum board package is a "starter" meal plan, designed to provide a light eater with two meals per day.

Cluster Housing

- Cluster Housing provides accommodation for 492 students in 123 self-contained units.
- Each unit includes four bedrooms with individual locks. The living room, dining area, kitchen and bathroom are shared by the four occupants.
- Each bedroom is furnished with a bed and linen, desk, chair, chest of drawers and closet. Lounge furniture, a dining room table and chairs, a stove, two fridges, a dishwasher and a vacuum cleaner are provided. Dishes, cutlery and cooking utensils are the residents' responsibility. Cablevision, telephone and internet hook-ups are available.
- Cluster Housing is completely self-contained; no board package is required.

Family Housing

- Family Housing provides accommodation for families in 181 self-contained units.
- Family Housing offers 48 one-bedroom apartments, 12 two-bedroom apartments, 115 two-bedroom townhouses, and 6 three-bedroom townhouses. Some units are designed for persons with disabilities.
- Units are unfurnished. Utilities are paid for by the tenant. Cablevision, telephone and internet hook-ups are available.
- Units are available to families with or without children; the leaseholder must be a full-time student at UVic.

Housing Rates

Rates for 2009/2010 were:

Dormitory Housing

Single room with starter* meal plan	\$3494/term
Double room with starter* meal plan	\$3067/term

Cluster Housing

Individual rate (no meal plan).....	\$2100/term
Family Housing	
1-bedroom apartment	\$720/month
2-bedroom apartment	\$845/month
2-bedroom townhouse.....	\$925/month
3-bedroom townhouse.....	\$1100/month

* The starter meal plan is designed to provide a light eater with two meals per day. A medium eater might expect to spend \$250 more per term. A hearty eater might expect to spend \$500 more per term.

Applying for Campus Housing

Students apply for campus housing through the UVic Residence Services website. The electronic application form for entry in September 2010 is active on the Residence website. To apply, a student must have a UVic Student ID number.

New Year One students entering the University directly from high school are guaranteed an offer of on-campus accommodation provided they have completed all of the following steps before June 30:

- submitted an application to Residence Services
- paid the \$25.00 residence application fee
- been admitted to the University
- accepted the offer of admittance to UVic and paid the acceptance deposit of \$200.00

Every effort is made to meet applicants' preferences; however, because of the limited availability of campus housing, not all preferences can be met.

Wait List

Once all rooms have been assigned, a wait list is created. As vacancies occur, assignments are made from this list. It is the applicant's responsibility to inform Residence Services of any change of address.

Payment Procedure for Dormitory and Cluster Housing

Acceptance Payment

A \$500 acceptance payment is required to confirm acceptance of an offer of dormitory or cluster housing. This payment is applied to first-term fees and is due no later than 14 days from the date the accommodation offer is made. Refunds will be made only if the student is subsequently denied admission to UVic or is unable to attend for medical reasons.

Payment Due Dates

The remaining accommodation payments are due by the following dates:

August 1	balance of first-term fees
November 1	\$500 second-term deposit
December 1	balance of second-term fees

A room assignment will be cancelled if the student fails to meet an acceptance or payment deadline.

Payment Procedure for Family Housing

To confirm acceptance of a family housing unit, students must sign a tenancy agreement, pay a damage deposit (\$350) and provide a post-dated cheque for the first month's rent.

Rent is due on the last day of each month.

Rental rates for the various types of accommodation will be confirmed at the time an offer of accommodation is made.

Moving In

Dormitory and cluster housing assignments are available from September 5, 2010. Accommodation before September 5 may be available under special circumstances. Written approval must be obtained from the Residence Services Office. Approved early arrivals are charged \$25 per night for room only. In addition, early arrivals must accept a special contract to cover the early arrival period.

Students who are unable to move in by the first day of classes must notify Residence Services in writing before that date or their housing assignment will be cancelled.

Residence Contract

Students must choose one of three contract options: the 4-month (Sept-Dec) contract; the 8-month (Sept-April) contract; or the 4-month (Jan-April) contract.

One month's notice is required to cancel an accommodation contract. Notice must be received by the last day of the month preceding the final month of tenancy and becomes effective on the last day of the final month of tenancy. For example, to end an accommodation contract on November 30, notice must be received by October 31 at the latest. A \$100 cancellation fee is applied to all contract cancellations and withdrawals.

Summer Housing

Dormitory accommodation is available throughout the summer months (May-August) for students, families and visitors. Reservations are recommended for this "bed and breakfast" service.

Contact Residence Services at 250-721-8395 for rates and further details.

Accommodation for Parents and Visitors to the University

A limited number of full-service hotel-style suites are available throughout the year in Craigdarroch House. Contact the Residence Services Office at 250-721-8395 for further details.

Off-Campus Housing Registry

The Residence Services Office maintains a registry of off-campus accommodation, including rooms, rooms with meals, suites, shared accommodation, houses and apartments. Listings are available for viewing at the Residence Services website.

INTERFAITH SERVICES

Interfaith Centre
Campus Services Building, Room 151
Hours: Mon, Tues 9:00-2:30
Wed-Fri 9:00-3:30
Phone: 250-721-8338
Web: <www.uvic.ca/interfaith>

Interfaith Chaplains Service is a campus resource for UVic students interested in spiritual learning, practice, service and community. The Service is predicated on the conviction that active spirituality strengthens the student experience and contributes to wellness. We draw upon the resources of diverse spiritual traditions and foster a strong network of relationships that includes participation from Bahá'í, Buddhist, Christian, First Nations, Hindu, Jewish, Muslim, Sikh, Wicca communities and those who do not connect to any one tradition, but are simply seeking spiritual identity, learning and support.

Learning about spiritual wisdom is facilitated through workshops, discussion circles, speaker series, special events and study groups. Developing a spiritual practice is made possible through groups on meditation, body work, healing touch, prayer, worship and ritual. Opportunity for Service is facilitated by mentoring student volunteerism in non-profit service and social activism agencies. Community amongst students is supported through retreats, student religious clubs, an Interfaith Student Council, and social events.

Join others on the spiritual journey through Interfaith Chaplains Services. Find a community for spiritual learning, support, fun and friendships that will last a lifetime.

INTERNATIONAL AND EXCHANGE STUDENT SERVICES

University Centre, Room A205
Hours: Mon-Fri 9:00-4:30
Phone: 250-721-6361
Web: <www.iess.uvic.ca>
Email: iess@uvic.ca

The International and Exchange Student Services Office provides assistance and support to international students at UVic as well as to students wishing to study abroad.

Services for international students include an orientation program for all newcomers as well as workshops, information sessions and ongoing support from Student Advisers throughout the year. The IESS Office also operates a Buddy Program that matches new international students

with returning UVic students for mentorship, friendship and cultural exchange. More information about services for international students is available at <www.iess.uvic.ca>.

Students wanting information on study abroad and exchange opportunities should check the IESS website. Students are also welcome to drop in to the IESS office with further questions.

Student Exchange Programs

More than 100 exchange opportunities in over 30 countries exist at UVic through various faculties and departments, including International and Exchange Student Services (IESS).

The IESS Exchange Program has partner universities offering undergraduate courses of interest primarily to students enrolled in the areas of humanities, social sciences and science, although students from other faculties may also be eligible to apply. Application for an exchange through the IESS office is open to full-time UVic students who are currently registered in courses and who have completed at least one term. Important procedures for applying, including eligibility requirements, are available at <www.iess.uvic.ca>. Students should also refer to Credits in Established International Exchange Programs, page 32, for more information on credit recognition from international exchange programs.

Students interested in coming to UVic on an exchange program should apply through their home university. Further information for incoming exchange students is available at <www.iess.uvic.ca>.

LEGACY ART GALLERY AND CAFÉ

630 Yates Street
Hours: Wed-Sun 10:00-5:00
Phone: 250-381-7670
web <www.legacygallery.ca>
email: legacy@uvic.ca

Situated off-campus in downtown Victoria, the Legacy offers a welcoming combination of contemporary art gallery, café and gift shop.

The legacy fulfills the vision of Victoria businessman Michael C. Williams, who bequeathed most of his estate, including more than 1,100 art works, to the University of Victoria after his death in 2000.

Williams passionately believed his art collection should become a shared treasure, to be enjoyed by everyone, free of charge. The Legacy exists to share that wealth.

We invite you to visit, enjoy a coffee and a bite to eat and view the stunning art on display.

RESOURCE CENTRE FOR STUDENTS WITH A DISABILITY

Campus Services Building
Phone: 250-472-4947
Web: <www.rcsd.uvic.ca>
Email: inforcsd@uvic.ca

The Resource Centre for Students with a Disability (RCSd) is a student service within Student Affairs. We can assist you in arranging for academic accommodations. These may include accommodated exams, alternate text formats, assistive technology, a limited course load or other accommodations within the classroom. The RCSd also offers a Learning Strategist program

for eligible students and Visual Language interpreting. As soon as you have been admitted at UVic (or before if you require advice or information) you need to:

- Make an appointment to see an adviser to register.
- Bring appropriate documentation attesting to your disability if you require accommodations, a reduced course load, or wish to apply for grants.

THE WRITING CENTRE (TWC)

Room 135e C.W. Lui Learning Commons,
McPherson Library
Web: <ltc.uvic.ca/servicesprograms/twc.php>

TWC supports all UVic graduate and undergraduate students with writing in English. Our tutors are experienced writers trained to assist students with all aspects of academic writing (pre-writing, revision, thesis construction, grant applications, and so on). In order to help students develop these skills, tutors do not edit or proofread papers. Instead, TWC focuses on the writer not the writing. We provide one-on-one tutorials, workshops, seminars and non-credit courses that address common issues in academic writing.

Student Affairs

UNIVERSITY OF VICTORIA STUDENTS' SOCIETY —CANADIAN FEDERATION OF STUDENTS LOCAL 44

Student Union Building
Phone: 250-721-8355
Web: <www.uvss.uvic.ca>

All undergraduate students at the University of Victoria are members of the UVic Students' Society (UVSS), Local 44 of the Canadian Federation of Students. The Students' Society exists to provide advocacy, representation, services and events for its members. The Society works on issues affecting student life, such as post-secondary funding, tuition fees, accessibility, employment and housing.

The UVic Students' Society is an active member (Local 44) in the Canadian Federation of Students (CFS), Canada's national students organization. The CFS provides students with a united voice at both the provincial and national levels. The CFS advocates for a high-quality and accessible system of public post-secondary education by conducting research, mobilizing members and lobbying provincial and federal governments. As well, the Federation provides a series of services designed to save students money while supporting their everyday needs. These include the International Student Identity Card (ISIC), Studentsaver, the National Student Health Network, Homes4students.ca, the Student Work Abroad Program (SWAP) and Travel CUTS.

The activities of the UVic Students' Society are carried out by a Board of Directors. The Board consists of eleven volunteer directors-at-large and four full-time executive directors—the Director of Services, the Director of Academics, the Director of Finance and the Chairperson. Elections for these positions take place in March. As well, the Women's Centre, the Pride Collective, the Native Students' Union, the Students of

Colour Collective and Access UVic each have a representative on the Board. The Board meets twice each month throughout the year and all students are welcome to attend.

Through their Students' Society, students can participate in clubs and course unions, speakers forums, events, conferences and other activities which take place regularly in the SUB. Being an active member of the UVic Students' Society is one of the most important ways students can contribute positively to their experiences on and off campus. Involvement may include voting in elections, attending general meetings of the Society, getting involved in one of the many committees such as Political Action, Special Events or Finance, or running for a position on the UVic Students' Society Board of Directors, Senate or UVic Board of Governors. By becoming an active member of the UVSS, students help create a fuller educational experience for themselves and others and a better future for students at UVic and across Canada.

The UVic Students' Society operates the Student Union Building (SUB), run by students for students. The SUB offers a wide range of services and programs, including the following:

- UVSS Resource Centre—Students' Society Board offices; get information and pick up day-planners/handbooks and Studentsaver
- Food services: Health Food Bar, International Grill, Bean There coffee shop, Munchie Bar
- Felicita's Pub
- Cinecenta movie theatre
- Zap Copy Shop
- SUBText used books
- SUB Info Booth: administers the Universal Bus Pass (U-Pass) and the Student Health and Dental Plan
- Back in Line Chiropractic and Massage Clinic
- Campus Medicine Centre Pharmacy that also houses a Canada Post outlet
- On the Fringe Hair Design
- Travel CUTS
- Campus Dental Centre

Also located in the SUB are the following important services:

Native Students Union

Student Union Building B023
Phone: 250-472-4394
Email: nsu@uvss.uvic.ca
Web: <www.uvss.uvic.ca/nsu>

The Native Students Union (NSU) works towards empowering aboriginal students to benefit from their education, while at the same time providing an outlet to maintain strong cultural and spiritual ties with other aboriginal students involved in higher education. The NSU offers support and encouragement in the form of regular meetings and social events. Students interested in participating should contact the NSU for more information.

ACCESS UVic!

Student Union Building B102
Phone: 250-472-4389
Email: advocacy@accessuvic.ca

Access UVic! is the Advocacy Group of students with disabilities. We are a cross disability alliance working to represent the best interests of disabled students at the University of Victoria.

Our commitment is to the removal of barriers to the full participation of students with disabilities in all aspects of university life. Access UVic! actively promote the rights and dignity of all disabled people in society. To learn more, all interested students are invited to call or drop by our Disability Advocacy Centre on the main floor of the SUB.

Students of Colour Collective

Student Union Building B020
Phone: 250-472-4697
Email: socc@uvss.uvic.ca
Web: <www.uvss.uvic.ca/socc>

All students of colour are invited to become active in the Students of Colour Collective. The constituency group represents all self-identified students of colour within the UVic community and is committed to the elimination of racial discrimination, anti-racist education and activism on campus while also providing support and resources. All students are welcome to drop by the office and find out how they can get involved.

UVic Pride Collective

Student Union Building B118
Phone: 250-472-4393
Email: pride@uvss.uvic.ca
Web: <www.uvss.uvic.ca/pride>

Queer people may identify as lesbian, gay, bisexual, two-spirited, intersexed, transgendered, are questioning, or choose not to embrace a label. UVic Pride advocates on behalf of queer and queer-friendly undergraduate students, graduate students, staff, faculty, alumni and community members. UVic Pride is a political and social group offering many programs throughout the year. The Pride office is open for drop-in most days during the school year. Our lending-library collection includes books, videos, and back-issue magazines from our variety of subscriptions. The mandate of UVic Pride is to raise awareness on campus and in the community about queer-specific issues and heterosexism, and to provide a safe and welcoming space to all queer and queer-friendly people. Interested people are welcome to contact us by phone or email, drop by the office, or visit our website for more information.

Ombudsperson

Student Union Building B205
Phone: 250-721-8357
Email: ombuddy@uvic.ca
Web: <www.uvss.uvic.ca/ombudsperson>

The Ombudsperson is an independent and impartial investigator equipped to help students with appeals, complaints, referrals and questions. The Office of the Ombudsperson seeks to ensure that people are treated with fairness and that on-campus decisions are made in an open manner. The Ombudsperson can give students valuable information and assist in a variety of confidential matters.

The Women's Centre

Student Union Building B107
Phone: 250-721-8353
Email: wcentre@uvss.uvic.ca
Web: <www.uvss.uvic.ca/wcen>

The UVSS Women's Centre is a collectively run drop-in centre open to all self-identified women. The centre seeks to provide a space for self-identified women to organize, access resources, attend

workshops and relax. The Women's Centre is committed to education and activism around racism, heterosexism, ableism and colonialism. The Centre offers many volunteer opportunities, such as office and library assistance and committee organizing. The Women's Centre also publishes an anti-racist, feminist zine, *Thirdspace*. Collective members and volunteers are encouraged to organize around personal areas of interest, such as sex and sexuality, health, body image, environment, globalization and the practice of feminist theory. For more information, drop by the Centre, get involved, and be a part of the movement!

CFUV 101.9 FM

Student Union Building B006
Hours: Mon-Fri 10:00-6:00
Phone: 250-721-8702
Email: vol4cfuv@uvic.ca
Web: <cfuv.uvic.ca>

CFUV is UVic's campus community radio station. CFUV programming ranges from rock, hip-hop and electronic to folk, jazz, multicultural and public affairs. CFUV is funded through a student levy and community fund-raising. A large body of volunteers comprised of UVic students and community members help run the station, along with staff and work-studies. Students interested in volunteering are invited to visit or phone the station during office hours. Previous radio experience is not necessary.

The Martlet

Student Union Building B011
Phone: 250-721-8360
Email: edit@martlet.ca
Web: <www.martlet.ca>

The Martlet is UVic's student newspaper, which is available every Thursday on campus. The Martlet is written by students and is editorially and financially independent. Students interested in volunteering are invited to visit or call the Martlet Office.

Vancouver Island Public Interest Research Group (VIPIRG)

Student Union Building B120 & B122
Phone: 250-721-8629
Email: info@vipirg.ca
Web: <www.vipirg.ca>

VIPIRG is an autonomous, non-profit, non-partisan organization dedicated to research, education, and action in the public interest. All undergraduate and graduate students are members of VIPIRG.

VIPIRG provides opportunities for students and community members to effect positive social and environmental change. By becoming active members, students can be exposed to new ideas, meet new friends, learn new skills, and find an outlet for activism. VIPIRG offers an extensive alternative library with a wide selection of magazines, books, videos and dvds, and research reports. VIPIRG conducts research and undertakes action projects on a wide range of social justice and environmental issues. There are also a number of volunteer-driven, issue-based working groups working out of VIPIRG at any given time. Students interested in being part of any of these committees, or with ideas for one, are invited to visit or call the VIPIRG office.

GRADUATE STUDENTS' SOCIETY

Room 102 Grad Centre
Phone: 250-472-4543
Email: gsscomm@uvic.ca
Web: <gss.uvic.ca>

All graduate students at the University of Victoria are members of the Graduate Students' Society, which exists to represent the interests of the 2500 plus graduate students and to address issues in the larger community that concern students.

Grad students democratically elect a five-member executive that works on a daily basis with the staff to advocate for and provide services to students. Grad students also select departmental representatives to sit on Grad Council, which meets monthly to discuss current events and provide direction to the executive. The Society strives to ensure graduate student representation on all university decision-making bodies.

The services of the Society include the Extended Health and Dental Plan, Universal Bus Pass, the Grad Centre and its facilities, child care bursaries (administered through Financial Aid), the annual handbook/daytimer, the Unacknowledged Source magazine, the bulletin list-serve and special events planning, in addition to other services. These services are funded by membership fees, collected by the university on behalf of the Society. Grad students are eligible to use rooms in the Grad Centre free of charge for academic-related meetings and events. The Society, in collaboration with the Faculty of Graduate Studies, funds travel grants, administered by the faculty, to assist graduate students wishing to attend professional meetings and conferences. Grad students are encouraged to enjoy the excellent food at IQ Bistro in the Grad Centre. For more information, visit the General Office in the Grad Centre, or call 250-472-4543.

Being an active member of the Society is one way to ensure that students' interests are represented and to work towards a better future for students in Canada.

CANADIAN FORCES UNIVERSITY TRAINING PLANS

Canadian Forces Recruiting Centre
827 Fort Street, Ground Floor
Victoria BC V8W 1H6
Phone: 1-800-856-8488
Web: <www.forces.ca>

The Canadian Forces provide opportunities for young Canadians to obtain a bachelor's degree while training for the career of a military officer.

The Regular Officer Training Plan (ROTP) is based on four components of success: Academic, Leadership and Management Skills, Second Language Training, and Fitness. The plan is fully subsidized for up to five years of university leading to undergraduate degrees in Engineering, Sciences, Arts or Administration. Specialist degrees in Physiotherapy, Pharmacy and Nursing are also subsidized. Medicine and Dentistry are subsidized under separate plans called MOTP and DOTP respectively. Because of its full subsidization, the plan includes an obligation to serve in the Canadian Forces as an officer for a fixed period after graduation.

The Reserve Entry Training Plan (RETP) is similar, but applicants attend Canadian Forces Military Colleges, paying their own tuition. Current

tuition fees are approximately \$6000 a year, but students are offered summer employment with the military to assist them in meeting tuition fees. RETP graduates have an obligation (moral) to serve on a part-time basis with the Canadian Forces Primary Reserve if there is a unit available in their geographical area.

UVIC ALUMNI ASSOCIATION

Phone: 250-721-6000 or 1-800-808-6828

Web: <alumni.uvic.ca>

All graduates of UVic automatically become members of the alumni association.

The alumni association strives to enhance the quality of life on campus through:

- scholarship and bursary awards
- support for student orientation and recruitment programs
- grants for student and department projects
- support for an active Student Alumni Association (SAA)
- Excellence in Teaching Awards

After graduation, the alumni association encourages a lifelong relationship among alumni and the University. An engaging alumni magazine, *The Torch*, is published twice a year, and networking opportunities are provided through alumni branches worldwide. The alumni association provides a number of benefits, services and recognition to its members, including:

- the UVic Online Community
- "Plan A!" alumni-supported student programs
- a grad welcome program
- an Alumni Benefits Card
- affinity programs
- career services and programs
- Distinguished Alumni Awards

The UVic Alumni Association is incorporated under the *Society Act* of British Columbia and governed by an elected board of directors. The association encourages all alumni, regardless of location, to stay connected to their alumni association, to attend events, to volunteer, and to support their university.

For more information on programs and volunteer opportunities, contact UVic Alumni Services.

Indigenous Student Services

OFFICE OF INDIGENOUS AFFAIRS AND FIRST PEOPLES HOUSE

Fran Hunt-Jinnouchi, BSW (UVic), M.Ad.Ed. (St. FX), Director and Co-Chair of First Peoples House

Veronica Lefebvre, BA (Concordia), Assistant to the Director

Robina Thomas, BSW (UVic), MSW (UVic), Associate Professor, School of Social Work and Co-Chair of First Peoples House

Carly Cunningham, BA (UVic), First Peoples House and LE, NONET Receptionist

The Office of Indigenous Affairs provides leadership and support across the university's Indigenous initiatives, including academic programs, student support services, protocol activities and the First Peoples House.

The office assists students with academic, cultural and funding matters particularly related to First Nations sponsorship. A listing of various awards and bursaries is maintained and updated annually. The office also assists with the promotion and co-ordination of special events related to Indigenous cultural and traditional events. The office is located in the First Peoples House, 140 (email: inafadm@uvic.ca and phone: 250-472-4913)

The Director provides advice to University departments, faculty members, staff and administrators as well as expanding and strengthening UVic partnerships and collaborations with First Nations, Métis and Inuit communities and organizations.

The Director works closely with the President, Vice-Presidents, Deans, Chairs, academic and research units and Student and Ancillary Services and ensures a coordinated and proactive approach to Indigenous initiatives, both on and off campus. The Director has an influential role in developing policy related to Indigenous education. (franhj@uvic.ca and 250-721-6326)

The Office of Indigenous Affairs replaces the former Aboriginal Liaison Office, and has an expanded role and mandate in keeping with the University's goal to be the University of choice for Indigenous students.

INDIGENOUS COUNSELLING AND SUPPORT

Other counsellors serving Indigenous students include:

- First Peoples House: Coordinator Indigenous Student Support, Trevor Good, (250-853-3599)
- First Peoples House: Cultural Protocol Liaison, Deb George, (250-472-4106)
- First Peoples House: Indigenous Student Counsellor, Dr. William McGhee (250-472-5119)
- Indigenous Education Adviser and Coordinator, Faculty of Education, Nick Claxton (250-721-8389)
- Indigenous Adviser, Faculty of Human and Social Development, Roger John (250-721-6274)
- Director, Academic and Cultural Support Program, Faculty of Law, Maxine Matilpi (250-721-8171)

NATIVE STUDENTS UNION

The Native Students Union works toward empowering students to benefit from technical and academic learning available at UVic while maintaining strong cultural and spiritual ties with other Indigenous students involved in higher education. Activities include regular meetings, as well as social and cultural events.

The Native Students Union (250-472-4394) is located in the basement of the Student Union Building, B120.

Office of International Affairs

James P. Anglin, BA (Carleton), MSW (Brit. Col.), PhD (Leicester), Professor, Director and adviser to the Provost

David Wang, MBA (UVic), Assistant Director
Paula Ceroni, Coordinator special projects

Pamela Vivian, Administrative Assistant

The Office of International Affairs (OIA) represents the University internationally and facilitates and oversees UVic's international activities and programs. It is responsible for strategic planning at the University level in relation to all dimensions of internationalization: the curriculum; student services; student, faculty and staff mobility; research, development projects and artistic creation; enhancing the international presence and capacity on campus. UVic seeks to be a Canadian leader in international education through fostering a culturally diverse and student-centered community on campus and providing a wide range of international and cross-cultural experiential learning opportunities.

The OIA works closely with the President, Vice-Presidents, Deans, Chairs, academic and research units, the Offices of Research Services, External Relations, the Office of the Registrar, Graduate Studies, Student Affairs, International and Exchange Student Services, and related University departments, to ensure a coordinated and proactive approach to international initiatives, both on and off campus.

The Office also liaises with external agencies—provincially, nationally and internationally—in order to link the University effectively with international developments and, where appropriate, directly initiate or participate in international initiatives.

Modest funds are available as seed money and matching grants to assist UVic students, staff and faculty with participation in international activities.

The OIA also supports faculties, departments and schools in building effective partnerships with institutions abroad. Office staff help with the negotiation process and draft formal agreements with post-secondary institutions outside Canada. The Office is also responsible for monitoring the effectiveness of existing agreements. Agreements can focus on student, staff and faculty exchanges, cooperation in developing curricula and distributed learning approaches, and research and development collaborations.

The Assistant Director also serves as the International Liaison Officer for the Association of Universities and Colleges of Canada and for federal government departments. The Assistant Director facilitates funding proposals by faculty members to selected agencies supporting international research and development projects.

In addition to welcoming visitors from around the world, the OIA sponsors lectures, symposia and conferences pertaining to international issues. The Office website <oia.uvic.ca> is the prime communication vehicle for information about UVic's international activities. It provides information on international grant opportunities for students and faculty, information on international conferences in Canada and in other parts of the world and other pertinent information on international programs and activities.

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Programs Offered

The University offers the following degrees, diplomas and certificates. Descriptions of the programs and degree requirements are included in the faculty and department entries of the Calendar.

Most students complete only one degree program at a time. With a careful choice in course selection, it is possible, however, for an undergraduate student to complete a program of study that will result in the awarding of a double degree, a joint degree, or a major/minor degree at convocation.

Degrees Awarded

Faculty of Business

- Bachelor of Commerce
- Master of Business Administration
- Concurrent LLB/Master of Business Administration

Faculty of Education

- Bachelor of Education
- Bachelor of Arts
- Bachelor of Science
- Master of Education
- Master of Science
- Master of Arts
- Doctor of Philosophy

Faculty of Engineering

- Bachelor of Arts
- Bachelor of Engineering
- Bachelor of Science
- Bachelor of Software Engineering
- Master of Engineering
- Master of Science
- Master of Applied Science
- Master of Arts
- Doctor of Philosophy

Faculty of Fine Arts

- Bachelor of Arts
- Bachelor of Fine Arts
- Bachelor of Music
- Bachelor of Science
- Master of Arts
- Master of Fine Arts
- Master of Music
- Doctor of Philosophy

Faculty of Graduate Studies

- The Faculty of Graduate Studies administers all programs leading to master's or doctoral degrees

Faculty of Human and Social Development

- Bachelor of Arts
- Bachelor of Child and Youth Care
- Bachelor of Science
- Bachelor of Science in Nursing
- Bachelor of Social Work
- Master of Arts
- Master of Nursing
- Master of Public Administration
- Master of Social Work
- Doctor of Philosophy in Nursing

Faculty of Humanities

- Bachelor of Arts
- Bachelor of Science
- Master of Arts

- Doctor of Philosophy

Faculty of Law

- Bachelor of Laws
- Master of Laws
- Doctor of Philosophy

Faculty of Science

- Bachelor of Science
- Master of Science
- Doctor of Philosophy

Faculty of Social Sciences

- Bachelor of Arts
- Bachelor of Science
- Master of Arts
- Master of Science
- Doctor of Philosophy

Diploma Programs

- Applied Linguistics
- Business Administration*
- Canadian Studies*
- Cultural Resource Management*
- Fine Arts*
- French Language*
- Humanities*
- Intercultural Education and Training*
- Local Government Management**
- Public Sector Management**
- Restoration of Natural Systems*
- Social Justice Studies

Certificate Programs

- Aboriginal Language Revitalization*
- Adult and Continuing Education*
- Business Administration*
- Business Studies for International Students*
- Canadian Studies*
- Computer Based Information Systems*
- Environmental and Occupational Health*
- Foundations in Indigenous Fine Arts*
- Indigenous Governance
- Public Management**
- Public Relations*
- Restoration of Natural Systems*

Professional Specialization Certificates

- Collections Management*
- Cultural Sector Leadership**
- Heritage Conservation Planning*
- Information and Communication Technology in Education
- Local Government Management**
- Middle Years Language and Literacy
- Native Species and Natural Processes*
- Performance Management**
- Public Policy**
- Public Services Management**
- School Management and Leadership
- Special Education
- Teaching English as a Foreign Language*
- Teaching French Immersion
- Voluntary and Non-profit Sector Management**

* See Division of Continuing Studies, page 224.

** See School of Public Administration, page 132.

Island Medical Program

- See Division of Medical Sciences, page 226.

Undergraduate Admission

The University welcomes applications from Canadian and international students. The application for admission is available online at <registrar.uvic.ca>. New students must apply for admission, receive an offer of admission to the University and pay the acceptance deposit before registering in courses.

Undergraduate Admissions
Main Floor, University Centre
Hours: Monday-Friday, 8:30-4:00
Phone 250-721-8121
Fax: 250-721-6225
Web: <registrar.uvic.ca>

IMPORTANT APPLICATION INFORMATION

Requirement to Disclose Information

Applicants are required to provide the information necessary for the University record. This includes disclosing all secondary and post-secondary (if applicable) institutions where any course registrations were made, and arranging for all official transcripts to be sent directly to Undergraduate Admissions. Applicants who fail to meet these requirements may lose transfer credit and/or have their admission and registration cancelled.

University's Right to Refuse Applicants

The University reserves the right to refuse applicants for admission on the basis of their overall academic record, even if they technically meet the published minimum admission requirements.

University's Right to Limit Enrolment

The University does not guarantee that students who meet the published minimum requirements will be admitted to any faculty, program or course. In cases where the number of qualified applicants exceeds the number that can be accommodated, the University reserves the right to set enrolment limits in a faculty or program and to establish admission criteria beyond the minimum published requirements set out in this section.

Except in special circumstances, students must be at least 16 years of age to be admitted to first year, and at least 17 to be admitted to second year.

For more information, contact Undergraduate Admissions, visit <registrar.uvic.ca> or Ask UVic <www.askuvic.ca>.

Documentation Required for First Admission

In addition to the documentation requirements shown in the table at right, applicants may be required to submit additional documentation or meet additional requirements as specified in the faculty and departmental regulations. Refer to individual faculty or department entries in the Calendar or their website for more information.

Official Transcripts

An official transcript is one which is issued directly to Undergraduate Admissions from the institution previously attended. The student's copy, a photocopy or an unsealed transcript is consid-



ered unofficial and may not be used when making an admission decision. No final decisions regarding admission will be made until final official transcripts have been sent from the institution directly to Undergraduate Admissions.

Applicants submitting falsified documentation or failing to declare attendance elsewhere will have their applications cancelled and no further applications will be considered; if they are registered in courses, appropriate disciplinary action will be recommended to the President by the Senate Committee on Admission, Reregistration and Transfer. Normally, failure to disclose attendance at another post-secondary institution and to submit, in a timely manner, a transcript of courses taken will result in suspension for a minimum of one year.

Transcripts in languages other than English or French must be submitted together with notarized translations into English.

Appealing Admission/Reregistration Decisions

Applicants who have been denied admission or reregistration to the University and who can prove extenuating circumstances or provide information that was not presented initially should forward a written request for a review of their application to the Senate Committee on Admission, Reregistration and Transfer, c/o Admissions Officer (new students), or Records Officer (returning students). Note that there are no personal appearances before the Committee. The request should include any additional information together with any supporting documents from persons familiar with the applicant's abilities and circumstances.

Normally, grounds for appeal are limited to:

- significant physical affliction or psychological distress documented by a physician or other health care professional
- evidence of serious misadvice or errors of administration by authorized University personnel, with evidence that the applicant's studies were adversely affected
- documented significant distress, or documented significant responsibility as a caregiver, as a result of an immediate member of the family suffering from a serious trauma or illness

Dissatisfaction with University regulations, or disagreements concerning the evaluation of admissibility (for example, calculation of grade point average, evaluation of English proficiency) or failure to meet published deadlines will not be considered grounds for appeal.

The Senate Committee on Admission, Reregistration and Transfer will consider all the documentation presented and will make a final decision on the application, subject to review by the Senate Committee on Appeals on the grounds of specific procedural error (see Appeals, page 40).

A student who has a marginal record upon admission may be placed on probation by the Senate Committee on Admission, Reregistration and Transfer.

Documentation Required for Admission

Current BC Secondary School Students	Applicants should complete the Post-Secondary Institution Choices form at their secondary school and designate UVic as a receiving institution for interim and final grades from the Ministry of Education. The Ministry will send interim grades to the University in May and final grades in August. Applicants with transfer standing in any grade 12 course must have two official transcripts sent to Undergraduate Admissions from the school at which the courses were taken. Applicants are also encouraged to self-report their grades at <www.uvic.ca/self-reporting> to receive an earlier offer.
Current Secondary School Students from Other Regions of Canada	Applicants should have their secondary school forward in-progress transcripts showing all courses completed in grade 11 and term 1 of grade 12, as well as interim grades from 2nd term of grade 12. Two final official transcripts confirming graduation must be received by Undergraduate Admissions no later than August 1st. Applicants from Ontario who provide an OUAC number will have their grades sent electronically via the Ontario Universities' Application Centre and do not have to send transcripts. Applicants are also encouraged to self-report their grades at <www.uvic.ca/self-reporting> to receive an earlier offer.
Current Secondary School Students from the United States	Applicants should have their secondary school forward in-progress transcripts showing all courses completed in grade 11 and term 1 of grade 12, as well as a list of 2nd term courses. Two final official transcripts confirming graduation must be received by Undergraduate Admissions no later than August 1st.
All Secondary School Graduates	Applicants must have two official copies of their final transcripts, showing all courses taken and confirming graduation, sent from the secondary school or issuing institution to Undergraduate Admissions.
Expanded Qualifications	To be considered for admission under the Expanded Qualifications category, applicants must complete the personal information profile for the faculty to which they are applying. See Expanded Qualifications. Information concerning documentation is available on the website at <registrar.uvic.ca>.
Transfer Students	Applicants must have two official final transcripts of both secondary education and post-secondary education sent from the issuing institutions to Undergraduate Admissions.
International Transfer Students	In addition to official final transcripts as indicated above, applicants must arrange for course syllabus/outlines to be sent to Undergraduate Admissions.
Visiting Students	Visiting students must submit a Letter of Permission from their home institution, indicating the session to which the permission applies and, if possible, the courses to be taken. Visiting students must submit a new letter of permission prior to further registration.
Degree Holders	Applicants must have two official final transcripts of all post-secondary work, including proof of conferral of the degree, sent by the issuing institutions to Undergraduate Admissions.

Applicants Whose First Language is Not English

As English is the primary language of instruction at University of Victoria, all applicants, regardless of country of origin or citizenship status, will be required to demonstrate competence in the English language prior to admission in one of the following ways:

- completion of four years of secondary and/or post-secondary education in which the primary language of instruction is English, in one of the following countries: Anguilla, Antigua, Australia, Bahamas, Barbados, Belize, Bermuda, Botswana, British Virgin Islands, Cameroon, Canada, Cay-

man Islands, Dominica, Gambia, Ghana, Grenada, Guyana, Ireland, Kenya, Jamaica, Lesotho, Liberia, Malawi, Mauritius, Montserrat, Namibia, Nigeria, New Zealand, Singapore, South Africa, Swaziland, St. Kitts and Nevis, St. Lucia, St. Vincent, Tanzania, Trinidad and Tobago, Turks and Caicos Islands, Uganda, United Kingdom, United States, U.S. Virgin Islands, Zambia, Zimbabwe

- completion of a recognized degree program from an accredited university in which the primary language of instruction is English, in one of the countries listed in the paragraph above

- completion of Grade 12 English or its equivalent in Canada with a final grade of 86% or higher within the last three years prior to admission
- a score of 86% or higher on the BC Provincial Grade 12 English Examination within the last three years prior to admission
- completion of 1.5 or more units of transfer credit for university-level English courses (excluding ENGL 181 and 182)
- Test of English as a Foreign Language (TOEFL)* with a score of 233 or higher on the computerized version, or a score of 575 or higher on the paper test, or a score of 90 or higher on the internet-based test —with no less than 20 out of 30 in any of the reading, listening, writing, or speaking sections
- Michigan English Language Assessment Battery (MELAB)* with a score of 90 or higher
- International English Language Testing System (Academic IELTS)* with a score of 7 or higher
- Canadian Academic English Language Assessment (CAEL)* with a score of 70, with no subtest result below 60
- University of Victoria University Admission Preparation Course (UAPC) with a score of 80% or higher
- a score of Level 6 on the B.C. Language Proficiency Index (LPI) (see also Placement Test Results, page 30)
- a score of 4 or higher on the Advanced Placement Exam in English Language and Composition
- a score of 4 or higher on IB Higher Level English

* Tests taken more than two years prior to application will not be considered.

English Proficiency: Exchange Students

Applicants participating in a formal exchange program must demonstrate English language proficiency adequate for successful participation in the program. The level of proficiency and the manner in which it will be demonstrated will be stated in the exchange agreement approved by the University.

Students in exchange programs who later apply for regular admission to the University must at that time meet all admission requirements and demonstrate English language proficiency as defined above.

English Proficiency: Visiting Students

Visiting students whose first language is not English and who have not studied in Canada or another English-speaking country for four recent academic years in an acceptable program from an approved secondary or post-secondary institution must demonstrate English language proficiency as outlined above.

APPLYING FOR ADMISSION

- **Step 1:** Apply online at <registrar.uvic.ca>.
- **Step 2:** If you are applying for on-campus housing, entrance scholarships or bursaries, please note that these require SEPARATE applications. Visit <www.housing.uvic.ca> and/or <registrar.uvic.ca> respectively for more information.
- **Step 3:** Check the applications and documentation deadlines, page 8, for programs of interest.

- **Step 4:** If your first language is not English, check to see how you can demonstrate English language proficiency (refer to Applicants Whose First Language is Not English, page 22). Submission of test scores may be required.
- **Step 5:** If you are applying to the Faculty of Business, Education, Fine Arts or Human and Social Development, there may be additional forms and procedures. Contact the program area directly. Visit <www.uvic.ca/directories> for contact information.
- **Step 6:** Pay application fees:
 - \$60 if all transcripts come from institutions within Canada
 - \$100 if any transcripts come from institutions outside Canada
 - \$35 Late Application Fee
 - DO NOT SUBMIT CASH OR CHEQUES. Our online application form accepts credit cards only.
 - Fees are subject to change without notice.
 - Application fees are NON-REFUNDABLE and are not applicable to tuition fees.
- **Step 7:** Check to see what documentation will be required. Refer to the table "Documentation Required for Admission", page 22.
- **Step 8:** When the application and fees have been received, you will be assigned your UVic student number. You will then be notified of any documents still required to complete your file.
- **Step 9:** Once your file is complete, an Admissions Officer will evaluate the documentation to determine admissibility and possible transfer credit for any post-secondary courses completed. You will be advised of the decision as soon as possible.

PLEASE NOTE: Possession of the minimum admission requirements does not guarantee admission to any faculty, program or courses at the University. In those instances where the number of qualified applicants exceeds the number that can be accommodated, the admission cutoffs will be higher than the published minimum requirements.

ADMISSION REQUIREMENTS

The requirements in this section are the minimum requirements for admission to the University. Individual programs may have set higher standards for entry than the minimum stated here; students should consult the individual faculty and department descriptions or Undergraduate Admissions for their regulations.

Applicants from Secondary School

1. British Columbia/Yukon

The table on page 24 shows the requirements for admission to Year 1 for each faculty. These are the minimum requirements for graduates of secondary schools in British Columbia. Graduates of secondary schools in other provinces require equivalent qualifications to those specified in the table.

Students must have written provincial examinations in any subject where it is mandatory in order to meet BC Graduation Program requirements. When a student elects to write an optional grade 12 provincial exam, the higher of the school mark or the blended grade (school

mark and provincial exam result combined) will be used in the admission average calculation.

Approved Grade 11 and 12 Courses

The following are courses currently offered by the BC Ministry of Education. All are 4-credit courses. Previously approved academic courses that have been discontinued by the Ministry of Education will continue to be accepted. The equivalency of courses offered by other provinces is determined by Undergraduate Admissions. For further information, visit <registrar.uvic.ca>.

BC Ministry of Education approved courses with the designation AP or IB may be accepted as alternatives.

Approved Academic 12 Courses

Applied Digital Communication 12
 Arabic 12
 BC First Nations Studies 12
 Biology 12
 Calculus 12
 Chemistry 12
 Comparative Civilizations 12
 Computer Programming 12
 English 12
 English 12 First Peoples
 English Literature 12
 Farsi 12
 Foundations of Mathematics 12
 Français 12
 French 12
 Geography 12
 Geology 12
 Geometry 12
 German 12
 Heiltsuk 12
 History 12
 ICT: Applied Digital Communications 12
 ICT: Computer Programming 12
 Information Technology 12
 Italian 12
 Japanese 12
 Korean 12
 Latin 12
 Law 12
 Mandarin 12
 Nsilxcen (Okanagan Language) 12
 Physics 12
 Pre-calculus 12
 Principles of Mathematics 12
 Punjabi 12
 Russian 12
 Secwepmctsin 12
 Shashishalhem 12
 Sim'algaxhi Nisga'a 12
 Sm'algyax 12
 Social Justice 12
 Spanish 12
 Upper St'at'imcets 12
Approved Science 12 Courses
 Biology 12
 Chemistry 12
 Geography 12
 Geology 12
 Physics 12

Year 1 Admission Requirements: BC/Yukon Secondary School Graduates

The minimum academic qualification for consideration is secondary school graduation with an average of at least 67% (70% for Bachelor of Engineering/Software Engineering and 80% for Business) calculated on all required grade 12 courses. Due to limits on enrollment and competitiveness of programs, however, the **cutoffs in a given year are usually higher**. See <registrar.uvic.ca/undergrad/cutoffs.html> for the previous year's required averages.

Faculty	Required Grade 11 Courses	Required Grade 12 Courses
Business	<ul style="list-style-type: none"> English 11 Principles of Mathematics 11 or Pre-calculus 11 one approved science 11 course Social Studies 11 	<ul style="list-style-type: none"> English 12 or English 12 First Peoples Principles of Mathematics 12 or Pre-calculus 12 two approved academic 12 courses
	Additional qualitative requirements are considered during the selection process. Please refer to the Faculty of Business website at < www.business.uvic.ca/apply >	
Education	No Year 1 entry. See Faculty of Education for secondary school recommendation	
Engineering <i>Bachelor of Engineering</i> <i>Bachelor of Software Engineering</i>	<ul style="list-style-type: none"> English 11 Principles of Mathematics 11 or Pre-calculus 11 Chemistry 11 Physics 11 Social Studies 11 	<ul style="list-style-type: none"> English 12 or English 12 First Peoples Principles of Mathematics 12 or Pre-calculus 12 with at least 73% Physics 12 one approved academic 12 course (Chemistry 12 recommended)
<i>Computer Science</i>	<ul style="list-style-type: none"> English 11 Principles of Mathematics 11 or Pre-calculus 11 one approved science 11 course Social Studies 11 	<ul style="list-style-type: none"> English 12 or English 12 First Peoples Principles of Mathematics 12 or Pre-calculus 12 one approved science 12 course one approved academic 12 course
Fine Arts	<ul style="list-style-type: none"> English 11 three courses chosen from Principles of Mathematics 11, Foundations of Math 11, or Pre-calculus 11 (or equivalent); an approved science 11; an approved language 11; an approved fine arts 11 Social Studies 11 	<ul style="list-style-type: none"> English 12 or English 12 First Peoples an additional three approved academic 12 courses OR two approved academic 12 course and an approved fine arts 12
	Additional requirements such as a portfolio, questionnaire or audition are required by Music, Theatre and Visual Arts. Please refer to the appropriate department entry at the Faculty of Fine Arts website: < www.finearts.uvic.ca >	
Human and Social Development <i>Health Information Science</i>	<ul style="list-style-type: none"> No required grade 11 courses. 	<ul style="list-style-type: none"> English 12 or English 12 First Peoples Principles of Mathematics 12, Foundations of Math 12 or Pre-calculus 12* two approved academic 12 courses <p>* Principles of Math 12 or Pre-calculus 12 is required for students wishing to complete the Combined Major in Computer Science and Health Information Science.</p>
	No Year 1 entry for Nursing and Social Work. For Child and Youth Care, see the Social Sciences requirements below.	
Humanities	<ul style="list-style-type: none"> English 11 Principles of Mathematics 11 or Pre-calculus 11 (or equivalent) one approved science 11 course one approved second language 11 course Social Studies 11 	<ul style="list-style-type: none"> English 12 or English 12 First Peoples three approved academic 12 courses
Law	No Year 1 entry. See Faculty of Law.	
Science	<ul style="list-style-type: none"> English 11 Principles of Mathematics 11 or Pre-calculus 11 Chemistry 11 Physics 11 Social Studies 11 	<ul style="list-style-type: none"> English 12 or English 12 First Peoples Principles of Mathematics 12 or Pre-calculus 12 two approved science 12 courses
Social Sciences	<ul style="list-style-type: none"> English 11 Principles of Mathematics 11 or Pre-calculus 11 (or equivalent) one approved science 11 course Social Studies 11 	<ul style="list-style-type: none"> English 12 or English 12 First Peoples three approved academic 12 courses



Approved Fine Arts 12 Courses

Art Foundations 12
 Choral Music 12: Concert Choir
 Choral Music 12: Vocal Jazz
 Dance: Choreography 12
 Dance: Performance 12
 Drama: Film and Television 12
 Instrumental Music 12
 Instrumental Music 12: Concert Band
 Instrumental Music 12: Jazz Band
 Instrumental Music 12: Orchestral Strings
 Music: Composition and Technology 12
 Studio Arts 12: Ceramics and Sculpture
 Studio Arts 12: Drawing and Painting
 Studio Arts 12: Fabric and Fibre
 Studio Arts 12: Printmaking and Graphic Design
 Theatre Performance 12: Acting
 Theatre Performance 12: Directing and Script Development
 Theatre Production 12: Technical Theatre
 Theatre Production 12: Theatre Management Writing 12

Approved Mathematics 11 and Equivalents

Pre-calculus 11
 Principles of Mathematics 11
 Applications of Mathematics 12

Approved Social Studies 11 and Equivalents

BC First Nations Studies 12
 Social Studies 11
 Civics 11

Approved Science 11 Courses

Biology 11
 Chemistry 11
 Earth Science 11
 Physics 11
 Applications of Physics 11 and 12 (both must be taken)

Approved Language 11 Courses

A beginners' language 11 will not be accepted.

American Sign Language 11 or 12
 Arabic 11
 External Language 11 (4 credits)
 Français 11
 French 11
 German 11
 Heiltsuk 11
 Italian 11
 Japanese 11
 Korean 11
 Latin 11
 Mandarin 11
 Nsilxcen (Okanagan Language) 11
 Punjabi 11
 Russian 11
 Secwepmctsin 11
 Shashishalhem 11
 Sim'algaxhi Nisga'a 11
 Sm'algyax 11
 Spanish 11
 Upper St'at'imcets 11

Approved Fine Arts 11 Courses

Art Foundations 11

Choral Music 11: Concert Choir
 Choral Music 11: Vocal Jazz
 Dance: Choreography 11
 Dance: Performance 11
 Drama: Film and Television 11
 Instrumental Music 11
 Instrumental Music 11: Concert Band
 Instrumental Music 11: Jazz Band
 Instrumental Music 11: Orchestral Strings
 Music: Composition and Technology 11
 Studio Arts 11: Ceramics and Sculpture
 Studio Arts 11: Drawing and Painting
 Studio Arts 11: Fabric and Fibre
 Studio Arts 11: Printmaking and Graphic Design
 Theatre Performance 11: Acting
 Theatre Performance 11: Directing and Script Development
 Theatre Production 11

2. Expanded Qualifications

Academic performance is the main criterion for admission and is used exclusively in the majority of cases.

However, the University recognizes that some candidates have other attributes that demonstrate an ability to succeed at university.

To be considered for admission under this policy, applicants must complete the personal information profile for the faculty to which they are applying.

This admission category is currently available in the Faculties of Humanities, Social Sciences, Human and Social Development (Child and Youth Care only), and Engineering.

Faculties may select a limited number of new first-year students who are in their graduation year at Canadian secondary schools, taking into account these expanded qualifications in order to recognize other indicators of likely academic success. The decisions of the faculties are final.

This policy applies only to candidates who meet the published minimum academic admission requirements.

More information concerning selection criteria, application procedure and documentation is available at <registrar.uvic.ca>.

3. Other Provinces/Territories Except Ontario and Quebec

Applicants from secondary schools in Alberta, Saskatchewan, Manitoba, New Brunswick, Prince Edward Island, Nova Scotia, Newfoundland and Labrador, Northwest Territories and Nunavut must meet the same admission requirements, present the same number of subjects and present equivalent secondary courses at the appropriate level as those prescribed by each UVic faculty for graduates of BC secondary schools.

4. Ontario

Applicants from Ontario must have completed the Ontario Secondary School Diploma (OSSD), including a minimum of six 4U/4M courses with an overall average of at least 67%, calculated on English 4U and five additional 4U/4M courses.

Applicants from Ontario who entered Grade 11 prior to September 2001 must have completed the Ontario Secondary School Diploma (OSSD), including a minimum of six Ontario Academic

Courses (or grade 13 courses) with an overall average of at least 67% calculated on OAC English and five additional OACs. Transfer credit will not be awarded for OAC or Grade 13 courses.

All applicants from Ontario require qualifications equivalent to those subjects shown in the table for students from British Columbia secondary schools.

5. Quebec

Applicants must have completed at least one full year of an approved program at a CEGEP with an overall grade average of at least B. No transfer credit will be granted for courses used to qualify for admission to Year 1. Completion of grade 11 (Secondaire V) is not sufficient for admission. Applicants require qualifications equivalent to those shown in the table for students from British Columbia secondary schools.

Applicants who have completed more than one year of a CEGEP program should refer to CEGEP page 27.

6. General Education Diploma (GED)

Applicants with a GED are considered for admission on an individual basis. Applicants must have a minimum standard score of 58.5 on the GED to be considered for admission.

7. International Baccalaureate Diploma

Applicants may be considered for admission on the basis of a completed International Baccalaureate Diploma with a minimum of 24 points. For transfer credit, see page 27.

8. Accelerated Entry for Distinguished BC Secondary School Students (summerU and winterU)

Distinguished BC senior secondary school students may apply for special admission to the University before they graduate if they meet the following criteria:

1. The student is recommended for admission by the secondary school principal.
2. The student has normally completed grade 10 and is maintaining a minimum 80% average in all academic subjects and a minimum 90% average in the field of study the student plans to undertake at the University. If the student is not currently able to take courses needed to prepare for the planned field of study, the school principal must make a special recommendation, in writing, stating the student's particular aptitudes.
3. The University department(s) concerned support(s) the student's application, which requires a personal interview with the department Chair(s).
4. The student is completing the full range of grade 11 and grade 12 courses required to gain normal admission to the University. If the student is currently in grade 10, then a list of expected grade 11 and 12 courses is required. Except in special circumstances, students must be at least 16 years of age to be admitted to first year, and at least 17 to be admitted to second year.

Students who meet the above criteria are admitted to the University as "special students" and may register in no more than 6 units of courses in any given academic session.

The University will grant credit towards a degree for courses successfully completed when the student is authorized to register in a degree program.

9. BC Adult Graduation Diploma

Applicants with a BC Adult Graduation Diploma (the Adult Dogwood) may apply for admission if the following minimum requirements are met:

1. The applicant is at least 19 years of age.
2. Successful completion of English, Mathematics (academic), a laboratory Science, and Social Studies 11 or equivalent at the advanced or grade 11 level. Courses done through the secondary system must each be worth 4 credits.
3. Successful completion of English plus three approved academic subjects at the grade 12 level. Courses done through the secondary system must each be worth 4 credits, and provincial examinations must be written if mandatory in the subject taken. All courses presented for admission must be graded. A minimum average of 67% is required for consideration.

All applicants must have the appropriate prerequisites for the program to which they have applied. Admission requirements for the Faculty of Engineering, the Faculty of Science and the Health Information Science program parallel those for BC secondary school graduates.

10. Applicants with Credit for Secondary School Calculus

All prospective UVic students who have completed or are registered in a secondary school calculus course are eligible to write a Calculus Challenge Examination. Students who pass this examination will be able to obtain credit for MATH 100 at UVic.

Application must be made to the Mathematics department hosting the Calculus Challenge Examination. (Each year one of BC's four universities hosts the examination.) Only one attempt is permitted. After completing the Calculus Challenge Exam and registering at UVic, a student may contact Undergraduate Records to receive credit for MATH 100. The student's transcript will then show challenge credit for MATH 100 and the grade obtained.

Enquiries regarding application deadlines, fees, course syllabus, sample examinations with solutions and related matters should be directed to:

Math Challenge 151
Department of Mathematics
Simon Fraser University
Burnaby BC V5A 1S6
Telephone: (778) 782-3332
Fax: (778) 782-4947

Students already eligible for transfer credit because of high AP or IB scores will keep this eligibility regardless of their examination score, and can waive the examination score and/or credit.

11. Applicants with College Board Advanced Placement Credits

Applicants who have passed the Advanced Placement examination in 1989 or later in selected subjects, with a grade of 4 or 5, will receive transfer credit. Refer to the *BC Transfer Guide* at <www.bc-transferguide.ca> for further information.

Applicants who pass the AP examination with a grade of 3 will be granted advanced standing for the purpose of meeting a prerequisite but no

transfer credit. Applicants should consult with the department concerned for course advice.

12. Applicants to the Canadian University International Study Abroad Program

The University of Victoria, along with Queen's University, Dalhousie University, the University of Toronto, the University of Western Ontario and McGill University, offers a program at the International Study Centre located at Herstmonceux Castle in East Sussex, UK.

The Canadian University International Study Abroad Program allows UVic students to study abroad while receiving credit toward their UVic program. A first-year program is available so students may enter directly from high school. The course offerings cover a wide range and include Fine Arts, Languages, Humanities, Social Sciences, Business and Law.

Information about the program and the first-year application form are available at <<http://uvic.ca/cusap>>.

13. Home-Schooled Applicants

UVic welcomes applications from individuals with varying academic backgrounds. Home-schooled applicants should be aware of the following:

- It is an admission requirement to be a secondary school graduate. Therefore, home-schooled applicants must be able to present proof of completion of a program that has met graduation requirements from a recognized educational jurisdiction and also faculty-specific minimum subject and academic average requirements.
- All applicants are required to take provincial exams, or equivalent, for all courses in which they are mandatory. Therefore, if a home-schooled student is participating in a program with provincial examinations, or equivalent, those courses with mandatory examinations must be taken.
- In cases where applicants do not meet the above-mentioned requirements, they must submit an appeal letter documenting the reasons for not being able to meet these requirements and provide SAT scores and/or any other relevant documentation for consideration by the Senate Committee on Admission, Reregistration and Transfer.

OTHER APPLICANT CATEGORIES

Special Access

The University of Victoria is interested in extending university-level learning opportunities to residents of British Columbia who are at least 23 years of age and may not qualify under the regular categories of admission.

The number of applicants admitted under this category is limited by the availability of University resources. Admission under the Special Category is not automatic.

An applicant for admission under the Special Category must meet the following criteria:

- the applicant is at least 23 years of age by the beginning of the session applied for, and
- the applicant's academic achievements have been significantly and adversely affected by health, disability, or family or similar responsibilities.

The Senate Committee on Admission, Reregistration and Transfer selects candidates for admission in the Special category on the basis of:

- their educational history
- non-educational achievements that indicate an ability to succeed at university

Applicants in this category must submit two Special Access Reference forms from persons specifically able to assess the applicant's potential for academic success. References from relatives will not be accepted. Applicants must be able to document the nature and extent of their circumstances, and demonstrate the impact these have had on their educational achievements.

Note: Applicants who have attempted a full year or equivalent of university-level courses are not eligible to apply under this category.

Applicants under this category must also meet the prerequisites for the program they wish to enter.

First Nations, Métis and Inuit

The University welcomes applications from Aboriginal peoples of Canada, including those of First Nations, Métis and Inuit ancestry (including Non-Status Aboriginal).

Applications from Aboriginal peoples of Canada who do not qualify under the other categories of admission will be considered on an individual basis by the Senate Committee on Admission, Reregistration and Transfer.

The committee will consider each applicant's:

- educational history
- non-educational achievements that indicate an ability to succeed at university.

Applicants who choose to apply under the "Special Access - First Nations, Métis and Inuit" category must submit two reference forms from persons specifically able to assess the applicant's potential for academic success. If possible, one reference should be from a recognized Aboriginal organization. References from relatives will not be accepted. Applicants must also submit a personal letter outlining their academic objectives.

Exploratory Studies

Students who wish to take individual credit courses for personal or professional interest, and will be at least 21 years of age prior to the first day of classes, may apply for admission to Exploratory Studies. Exploratory Studies students may take up to 3 units of courses per term, normally to a maximum of 12 units attempted overall, and will be classified as "non-degree" students.

Courses open to exploratory students are listed on the Exploratory Studies website. Students requesting courses other than those approved for Exploratory Studies may be required to present official transcripts to demonstrate satisfaction of the prerequisites listed. Exploratory Students are assigned a registration date after regular degree students have had the opportunity to register first. Note that some courses are only available to those students who have been accepted into a specific degree program.

Should students in Exploratory Studies wish to change their status from non-degree to regular upon or prior to reaching 12 units, they must provide all relevant documentation and meet all

requirements for admission to the degree program requested. After completion of 12 units, students who wish to take further courses will usually apply to be admitted as a regular degree student or, in some circumstances, may submit a request to continue in Exploratory Studies.

The University reserves the right to limit the number of students admitted under this category. Students who have been required to withdraw from any post-secondary institution during the previous three years are not eligible for consideration.

No transcripts or other documentation are required, except to establish English Language Proficiency or to satisfy specific course prerequisites when necessary. For further information and application procedures, please see the Exploratory Studies website at <www.uvic.ca/explorativestudies>.

(Please note that this category is not currently available for admission to the Faculties of Education, Fine Arts and Law.)

Auditor

See "Registration as an Auditor", page 30, for instructions on how to audit courses.

APPLICANTS FOR TRANSFER

The general requirements listed below apply to transfer applicants wishing to enter the Faculties of Humanities, Science, and Social Sciences. Admission requirements for other faculties are stated in the appropriate faculty section in the Calendar.

Note that applicants who have failed their previous year or who have a weak overall academic record may be refused permission to transfer, even if they meet the minimum admission requirements. See University's Right to Limit Enrollment, page 11.

Note: Transfer Applicants to the Faculty of Science

In addition to the requirements set out below, transfer applicants to the Faculty of Science must:

- meet the Year 1 requirements for admission to the Faculty of Science directly from secondary school, or
- have transfer credit for at least 9 units of science courses including at least 3 units of Mathematics selected from MATH 100, 101, 102, 151.

Limitations on Transfer Credit

Students who plan to begin their studies at another institution and transfer to UVic should ensure that the courses they take are eligible for transfer credit in their planned program at UVic.

Transfer credit granted in a degree program is limited and may not normally be applied to the final 30 units of the program. Exceptions to this regulation require the approval of the Dean of the faculty concerned.

If a student's performance warrants a review of transfer credit granted on admission, the University reserves the right to require the student to make up any deficiencies (without additional credit) before proceeding to studies at a higher level. These decisions are normally made at the department level.

Applicants to the School of Nursing must contact the Admission/Liaison Officer regarding regulations specific to the School (see Minimum Degree Requirements, page 131.)

Transfer Credit

Transfer credit from BC colleges will be assigned according to the equivalencies set out on the BC-CAT website at <www.bctransferguide.ca> for the year in which the courses were completed. Transfer credit from other accredited institutions is determined by the relevant academic department and Undergraduate Admissions. Visiting and non-degree students are not assigned transfer credit.

Universities and Colleges

Applicants require successful completion of at least 12 units of transferable courses with a minimum overall average equivalent to C at UVic; the average is calculated from the grades for the most recent 12 units of university-level courses attempted and includes repeated and failed courses. Applicants with less than 12 transferable units must have a minimum GPA of C on any post-secondary record and also meet the minimum requirements for admission to Year 1 (see page 24).

Associate of Arts or Science Degree from a BC Post-secondary Institution

Applicants who have been granted an Associate of Arts or Associate of Science degree from a recognized BC post-secondary institution will be granted 30 units of transfer credit if admitted to a degree program. Note that students receiving 30 units of transfer credit for completion of the associate degree are still obliged to fulfil all prerequisites in the degree program to which they are admitted.

Institutes of Technology

Applicants who have completed one full year of a diploma program at an institute of technology with a cumulative average of A- are eligible for admission. Credit is considered on a course-by-course and case-by-case basis.*

Applicants who have completed in excess of one full year at an institute of technology with a minimum cumulative average of B are eligible for consideration. Credit is considered on a course-by-course and case-by-case basis.*

**Block credit agreements have been established for some specific diploma programs to transfer to specific UVic degree programs. Normally, 30.0 units of block credit is granted to those admitted under such agreements.*

Ontario Colleges of Applied Arts and Technology (CAAT)

Applicants who have completed one full year of a diploma program at a CAAT with a cumulative average of A- are eligible for admission but no transfer credit.

Applicants who have completed a two-year diploma program (or two years of a three-year diploma program) with a minimum cumulative average of B are eligible for consideration. Normally, up to 7.5 units of credit is granted upon admission.*

Applicants who have completed a three-year diploma program, with a minimum cumulative average of B, are eligible for consideration. Nor-

mally, up to 15.0 units of credit is granted upon admission.*

Certificate programs are not considered for admission or transfer credit.

**Credit is determined on a case-by-case basis, but where block credit agreements have been established for specific diploma programs to transfer to specific UVic degree programs, credit may exceed the amounts indicated, but may not exceed a maximum of 30.0 units.*

CEGEPs

Applicants with more than one full year completed of an approved CEGEP program, with a minimum overall average of B, may be granted up to 15 units of transfer credit at the first- or second-year level.

Canadian Bible Colleges

Courses can be considered for admission and transfer credit if the institution they were taken at appears in the British Columbia or Alberta Transfer Guide or is chartered as a degree or diploma granting institution in its home province and is a member of one of the following: the Association of Universities and Colleges of Canada, the Association of Canadian Community Colleges, the Association for Biblical Higher Education or a U.S. regional accrediting body. For more information contact Undergraduate Admissions.

International Baccalaureate Credits

Applicants who have been granted admission based on the International Baccalaureate Diploma are normally eligible for up to 15 units (one academic year) of transfer credit. The diploma must contain at least three subjects at the Higher Level and three subjects at the Standard Level. Subjects completed with a score of less than 4 are not eligible for transfer credit.

Applicants who have completed Higher Level subjects without completing the full diploma are eligible for 3 units of transfer credit for each Higher Level subject completed with a grade of at least 4*. Individual Standard Level subjects are not eligible for transfer credit.

**Some subjects require a higher grade; refer to the BC Transfer Guide <www.bctransferguide.ca> for further information.*

Second Bachelor's Degree

Students with a bachelor's degree from UVic or another recognized institution may be admitted to a second bachelor's degree program if they meet the following conditions:

1. The student must meet the admission requirements for the program of the second degree.
2. The principal areas of study or academic emphasis of the second degree must be distinct from that of the first degree.

Initially, students will be admitted as unclassified. Once approved for a specific degree program, students should contact their advising centre to confirm what courses from their first degree they will be able to include in their second degree program.

Students must apply for admission to a second bachelor's degree by the usual procedure for admission as appropriate.

The University may limit the number of students admitted to complete a second bachelor's degree.

Visiting Students

Applicants who wish to take courses for credit at their home university or college may be admitted on the basis of a Letter of Permission issued by their home institution. Such study is normally limited to a total of 15 units at UVic.

The Letter of Permission must be sent directly by the home institution to Undergraduate Admissions. The letter must include the session for which permission is given and the specific courses to be taken. Transcripts may be required as determined by Undergraduate Admissions.

Visiting students whose first language is not English must meet the requirements on page 22.

Visiting students who wish to reregister for a future session must submit an up-to-date Letter of Permission to Undergraduate Records.

Visiting students who later wish to apply for regular degree status at UVic must submit an application for status change to Undergraduate Records.

INTERNATIONAL APPLICANTS

The University of Victoria invites academically qualified students from around the world to study in any one of its nine outstanding undergraduate faculties.

International applicants can find detailed information on application procedures at <www.uvic.ca/apply>.

International Applicants: Admission Requirements

The minimum admission requirements for consideration for undergraduate admission to Year 1 in the Faculty of Humanities and the Faculty of Social Sciences can be found online at: <registrar.uvic.ca/internationalreq.html>.

Additional requirements and specific subject requirements may be needed, depending on the specific faculty and department.

Students who have completed university-level work at an accredited post-secondary institution may be eligible for admission at the Year 2 level or above, depending upon the published general/specific faculty and department requirements and the transferability of courses.

Please note that only those applicants who have attained a high level of academic achievement will be offered admission, regardless of year level.

The international application fee is \$100 (Canadian). This fee applies to any student whose transcripts come from institutions outside of Canada.

International Exchange

International Exchange students should contact the International and Exchange Student Services Office directly by phone at 250-721-6361; email: iess@uvic.ca or visit <www.iess.uvic.ca>.

English Language Centre Programs

As English is the primary language of instruction at University of Victoria, all applicants, regardless of country of origin or citizenship status, are required to demonstrate competence in the English language prior to admission. Consult the section "Applicants Whose First Language is Not English" (page 22) for further details. Inter-

national applicants who are unable to demonstrate minimum language proficiency, but meet all other current admission requirements for their faculty, may still be considered for entrance to UVic once they complete the University Admission Preparation (UAP) course with a grade of at least 80%. This course is offered a number of times during the year by the University of Victoria's English Language Centre.

Information on the application, program dates and cost can be obtained by contacting the English Language Centre:

<continuingstudies.uvic.ca/elc/about-elc>.

Phone: 250-721-8469

Email: elc@uvcs.uvic.ca

Web: <continuingstudies.uvic.ca/elc>

Returning Students Reregistration

Students who are returning to UVic may be automatically eligible to reregister or may be required to complete an application to reregister. Students who have questions about their reregistration status in undergraduate studies should contact Undergraduate Records. Applications for reregistration are available from the Undergraduate Records website.

Undergraduate Admissions and Records

Main Floor, University Centre

Hours: Monday to Friday 8:30-4:00

Phone: 250-721-8121

Fax: 250-721-6225

Web: <registrar.uvic.ca>

CONTINUING STUDENTS

Winter Session: All eligible students who were registered in the most recent Winter Session at the University will be authorized automatically for reregistration.

Summer Session: All eligible students who were registered in the most recent Summer Session will be authorized automatically for reregistration.

OTHER RETURNING STUDENTS

Students who were not registered in the most recent winter or summer session must submit an application for reregistration. A \$16.00 fee is required with the application to reregister from all students (including off-campus) not registered in the most recent winter or summer session. Applications received after the published deadline may be charged a \$35 late fee. Applications to reregister are available from the Undergraduate Records website: <registrar.uvic.ca>.

Students who have registered at another university or college since attending UVic are required to state the names of all post-secondary educational institutions attended (including withdrawals, incomplete and failed studies) and to submit official transcripts of their academic records at these institutions by the due date shown on page 8. Failure to disclose attendance or to submit a transcript in a timely manner will result in a penalty (see Official Transcripts, page 21). Eligibility to register will be based on performance in studies elsewhere, in association with the student's latest status at UVic (e.g., pro-

bation). See "Minimum Sessional Grade Point Average", page 38.

Applicants for reregistration whose records originate in whole or in part outside British Columbia must submit an evaluation fee of \$40 with their application. This fee is not required from visiting students or from students who obtained a Letter of Permission from UVic to study elsewhere. The fee is not refundable and cannot be applied to tuition.

REREGISTRATION FOLLOWING REQUIRED WITHDRAWAL

Students who have been required to withdraw from UVic in the past because of unsatisfactory progress or standing and who wish to be considered for reregistration must submit an Application for Reregistration. Students who are required to withdraw or denied reregistration will not be permitted to register until they have met the conditions outlined under Minimum Sessional Grade Point Average and Academic Standing, page 38. Students who have not met the conditions for reregistration but who do meet the criteria to appeal (see Appealing Admission/Reregistration Decisions, page 22) may submit a letter of appeal to the Senate Committee on Admission, Reregistration and Transfer. Grounds for appeal to the Committee are limited. Letters should be sent to the Senate Committee on Admission, Reregistration and Transfer, c/o Records Officer, Undergraduate Records. The Committee's decision regarding the student's application is subject to review by the Senate Committee on Appeals only on the grounds of specific procedural error (see Appealing Admission/Reregistration Decisions, page 22).

STUDENTS WRITING DEFERRED EXAMINATIONS

Students who are assigned a deferred (DEF) standing in one or more courses will have their sessional standing withheld until their final grade(s) is available. Depending upon academic status, i.e. probation, and projected GPA, the Authorization for Reregistration may be blocked until a sessional average has been determined to be satisfactory.

APPEALING REREGISTRATION DECISIONS

Applicants who are denied permission to reregister and who can prove extenuating circumstances or provide information that was not presented initially have recourse under Appealing Admission/Reregistration Decisions, page 22. Appeals from returning students should be directed to the Senate Committee on Admission, Reregistration and Transfer, c/o Records Officer, Undergraduate Records.

Undergraduate Registration

Information on how to register as well as the day, time, place and instructor for courses is provided at the Office of the Registrar's website: <registrar.uvic.ca>.



GENERAL REGISTRATION INFORMATION

- Students must receive notification of admission or authorization to reregister before registering.
- Admission to the University or authorization to reregister does not guarantee entry to a particular course or program. Because enrolment in all courses is limited, admitted students may not be able to register in their chosen courses or sections.
- Each new student, by Letter of Admission, and each returning student, by accessing uSource <usource.uvic.ca>, will be informed about the procedures for registration.
- Letters of Admission or Authorizations to Reregister are valid only for the term and session to which they apply.
- Students who are required to withdraw or denied reregistration will not be permitted to register until they have met the conditions outlined in the section Minimum Sessional Grade Point Average and Academic Standing, page 38, or the University English Requirements/Placement in Linguistics/English 099.
- A department may cancel the registration of a student who cannot demonstrate that all course prerequisites have been met or who fails to attend a course within the following period:
 - **Winter Session courses**
 - first 7 calendar days from the start of the course
 - **May-August courses**
 - first 7 calendar days from the start of the course
 - **May-June courses**
 - first 2 class meetings
 - **July-August courses**
 - first 2 class meetings
- **Not all department instructors will choose to exercise the option to drop classes. If you do not attend classes, do not assume that you have been dropped from a course by a department or instructor.** Courses that are not formally dropped will be given a failing grade. You may be required to withdraw, and you will be required to pay the tuition fee for the course.

A student who for medical or compassionate reasons is unable to attend a course during the required period should contact the department within that time to confirm registration in the course.

Course Selection Responsibility

Students are responsible for:

- choosing courses that conform to their individual program requirements and University regulations
- ensuring there is no discrepancy between the program they are following and that recorded in Undergraduate Records
- taking only those courses in which they are registered
- checking the calendar description for prerequisites, restrictions and references to duplicate, mutually-exclusive or cross-listed courses. Credit will not be assigned more than once except in courses that allow duplicate credit.

Students who have credit for courses taken at UVic must consult the calendar course descriptions to ensure they do not duplicate courses that now have a different number. See also "Duplicate and Mutually Exclusive Courses", page 32, "Credit Limit—Beginning Level Statistics and Physics Courses", page 32, and "Repeating Courses", page 32.

Registration for Both Terms in Winter Session

Students planning to undertake studies in both terms of the Winter Session are advised to register for all courses they intend to take, including single-term courses beginning in January.

Registration for One Term Only

If suitable single-term courses are available, students may register for a program of courses to be taken in the first or second term.

Adding and Dropping Courses

The regulations for adding and dropping courses are stated in the appropriate Registration Guide or at <registrar.uvic.ca>.

Please note that the deadlines and timetable for adding and dropping courses are not the same as those for fee reductions (see page 6).

- Students may drop first-term courses until the last day in October and full-year and second-term courses until the last day in February without receiving a failing grade.
- A student who has a grade of E or F in a first-term course may reregister in the course if it is offered in the second term, provided that the student will be registered in not more than 9 units in the second term. A student who has an E in a first-term course may take a second-term course which lists the first-term course as a prerequisite only with the permission of the department concerned.
- An undergraduate student who drops all courses and does not intend to register in any other credit course in the session is withdrawing from the University and must notify Undergraduate Records. (See Withdrawal, page 39.)

Concurrent Registration at Another Institution

Normally a student may not be registered concurrently in courses offered at UVic and in university-level courses offered at another institution. New students must notify Undergraduate Admissions of their plan to attend another institution. Returning students must obtain a Letter of Permission from the Dean or designate of their faculty if they plan to enrol concurrently at another institution to ensure that transfer credit is recognized.

Letters of Permission for UVic Students to Undertake Studies Elsewhere

A student who wishes to take courses at other approved post-secondary institutions for credit towards the student's UVic degree program must receive prior approval in the form of a Letter of Permission from the appropriate faculty advising service. For information about other specific requirements, contact the faculty advising service.

A student must have completed, or be registered in, at least 6 units of course work at UVic to be eligible for a Letter of Permission (LOP) to take courses elsewhere. Note: Transfer credit is as-

signed upon receipt of an official transcript from the institution visited and once an evaluation has been completed; no letter grades are recognized or assigned for transfer credit course work.

Some faculties require a minimum grade in courses taken elsewhere before transfer credit will be granted. Check the faculty sections in this calendar for regulations.

Applications for Letters of Permission by students must be accompanied by payment (see Miscellaneous Fees, page 43). If a continuing or returning student did not obtain the required Letter of Permission to undertake studies elsewhere, a document evaluation fee of \$40 will be assessed for the review of transfer credit. The \$40 dollar fee is not required from students who obtain a Letter of Permission prior to their attendance.

Registration in Graduate Courses by Undergraduates

Students in their final year of a bachelor's degree program at the University of Victoria who have a grade point average of at least 6.0 (B+) in the last 15 units of course work attempted, or who would otherwise be admissible as a non-degree graduate student, may be permitted to register in a maximum of 3 units of graduate courses on the recommendation of the department concerned and with the consent of the Dean of Graduate Studies. Such courses cannot be used for credit in a subsequent undergraduate or graduate program at the University of Victoria if this work is used to satisfy the requirement for another credential.

No application for admission or supporting documentation is required; the graduate adviser of the department in which the courses are to be taken must send a recommendation to the Dean of Graduate Studies, specifying the courses selected. When written permission is received from the Dean, the approved graduate courses will be added to the undergraduate record.

UNDERGRADUATE ENGLISH REQUIREMENT

Undergraduate students, excluding students in diploma and certificate programs, but including other unclassified students, must complete 1.5 units of first-year English (excluding ENGL 181 and 182) or ENGR 110/111 in order to satisfy the University English Requirement. Students who can show equivalent proficiency in English may be exempt from this requirement.

Exemptions from the English Requirement

Students who meet any of the following criteria are exempt from the English requirement:

- a score of 86% or higher on the B.C. provincial Grade 12 English examination or a final grade of 86% in Grade 12 English from other Canadian provinces within the three years prior to admission
- a score of Level 6 on the Language Proficiency Index (LPI)
- a score of 4 or higher on the Advanced Placement Exam in English Language and Composition
- a score of 4 or higher on IB Higher Level English

- 1.5 or more units of transfer credit for university level English courses (excluding ENGL 181 and 182)
- a degree from an accredited English-speaking university
- while attending as a visiting student on a Letter of Permission

Important: See also English Deficiency, page 35, concerning course access and grading.

The Language Proficiency Index

Students who are not exempt from the English Requirement and who have not received a school or interim grade of 86% or higher in English 12 or English 12 First Peoples must write the B.C. Language Proficiency Index (LPI).

Students applying to the Bachelor of Science in Nursing post-diploma Option B program are advised to contact the School of Nursing Adviser prior to writing the LPI.

Students should arrange to write the LPI at least six weeks before registration to allow time for the results to be processed.

The Language Proficiency Index is available nationally and internationally.

For dates, locations and further information, contact the LPI office at UBC:

LPI Office
Neville Scarfe Building
University of British Columbia
2125 Main Mall, Room 6
Vancouver BC V6T 1Z4
Fax: 604-822-9144
Email: tests@ares.ubc.ca
Web: <www.lpi.ubc.ca>

Current secondary students who have received a school or interim grade of 86% or higher in Grade 12 English may register for ENGL 135, 146 or 147 without writing the LPI.

Placement following the LPI

Placement score	Placement
LPI Level 1 or 2	LING 099
LPI Level 3.....	ENGL 099
LPI Level 4.....	ENGL 115 or ENGR 110
LPI Level 5	ENGL 135, 146, 147 or ENGR 111
LPI Level 6.....	Exempt; may register for ENGL 135, 146 or 147

Placement Test Results

Students who are required to register in LING 099 or ENGL 099, on the basis of their LPI results, may not change their original placement once they have registered in the Winter Session and must register in LING 099 or ENGL 099 without delay. Further placement test results will only be processed if the test is undertaken, and results received, following the end of Winter Session and before registration in a further Winter Session. Students are allowed four attempts, normally over two Winter Sessions, to complete the required remedial course work for LING 099 and/or ENGL 099.

Placement in Linguistics 099

Students placed in LING 099 (a non-credit course) must successfully complete the course and are then placed in either ENGL 099 or ENGL 115, based on the results of an exam taken at the completion of LING 099.

Students who fail LING 099 must repeat the course in each subsequent term until they are

placed in either ENGL 099 or ENGL 115. Students are allowed four attempts, normally over two Winter Sessions, to complete the required remedial course work for LING 099 and/or ENGL 099. The attempts must occur in consecutive terms. Students who do not register in LING 099 in consecutive terms or who fail after their allotted attempts will normally be denied permission to return to the University until they have demonstrated the required level of competence in English. Students may appeal the decision to the Senate Committee on Admission, Reregistration and Transfer.

For students who are placed in LING 099 (and then ENGL 099, if required), successful completion of ENGL 115 is necessary to satisfy the University English Requirement. Students who successfully complete LING 099 and are allowed to move directly into ENGL 115 must register in ENGL 115 in the next term attended and in each term attended until the English Requirement is satisfied. There must be no interruption in the sequence of courses without the permission of the Director of the Writing Program.

Placement in English 099

Students placed in ENGL 099 (a non-credit course) must successfully complete the course before being placed in ENGL 115 or ENGR 110.

Students who fail ENGL 099 must repeat the course in each subsequent term until they are placed in ENGL 115 or ENGR 110. Students are allowed four attempts, normally over two Winter Sessions, to complete the required remedial course work for LING 099 and/or ENGL 099. The attempts must occur in consecutive terms. Students who do not register in ENGL 099 in consecutive terms or who fail after their allotted attempts will normally be denied permission to return to the University until they have demonstrated the required level of competence in English. Students may appeal the decision to the Senate Committee on Admission, Reregistration and Transfer.

For students who are placed in ENGL 099, successful completion of ENGL 115 or ENGR 110 is necessary to satisfy the University English Requirement. Upon successful completion of ENGL 099, students must register in ENGL 115 or ENGR 110 in the next term attended and in each term attended until the English Requirement is satisfied. There must be no interruption in the sequence of courses without the permission of the Director of the Writing Program.

Deadline for Completing the English Requirement

Students who are NOT exempt from the English requirement must register in 1.5 units of English or ENGR 110 or 111 before completing 30 units of credit. Students who fail to complete the requirement before completing 30 units of credit must meet the requirement in the next session they attend. Students who were initially placed in LING 099 or ENGL 099 must complete the required remedial course within four terms (normally two Winter Sessions) and then must also complete the required 1.5 units of English or ENGR 110 or 111 no later than the next session after completing 30 units of credit (achieved 3rd year standing).

Transfer Students

Students who are admitted to UVic for the first time as third-year students (except Nursing and block-transfer students) must complete the University English requirement in their first Winter Session. Nursing and block-transfer students should consult their academic advisers for information about their deadline for completing the English requirement.

Part-time and Distance Students

Students studying part time or through distance learning may satisfy the English requirement through Thompson Rivers University – Open Learning, a BC community college or another recognized post-secondary institution. Students who are required to write a placement test should contact the LPI Office (see The Language Proficiency Index, page 30 for the address).

REGISTRATION AS AN AUDITOR

Registered students and members of the community may be permitted to audit up to 3 units of undergraduate courses in a session. Registration as an auditor is subject to the following conditions:

- The individual must receive permission from the department concerned.
- Permission to audit a course is dependent upon the class size and other factors that the instructor and the department establish.
- The degree of an auditor's participation in the course is at the discretion of the department.
- Attendance as an auditor does not grant entitlement to an academic record of such attendance and will not be considered as meeting admission, prerequisite or course requirements for any University credit program.
- Graduate courses are normally open only to students who are registered in the Faculty of Graduate Studies; see the faculty regulations in the UVic Graduate Calendar.

Auditor class entry forms are available from Undergraduate Records.

INDIVIDUALLY SUPERVISED STUDIES

Individually supervised studies may be undertaken during the Winter Session; such studies will normally consist of Directed Studies courses. Students interested in pursuing such studies should contact the Advising Centre in the Faculty of Education or the appropriate department Chair in the other faculties. The availability of such courses will be determined by the department concerned.

For individually supervised studies in the Summer Session, see the *Summer Session Calendar*, available late February.

PREPARING FOR FUTURE STUDIES OUTSIDE UVIC

Students who plan to complete a year or two of studies at UVic and then transfer to another institution should design their program at UVic so that they will meet the requirements of the other institution.

The University offers first-year courses in Humanities, Science and Social Sciences that will prepare students to enter the first year of Forestry, and the second year of Agriculture,

Physical Education or Pharmacy at certain other universities. Students can also prepare for studies elsewhere in Medicine, Dentistry, Architecture, and other professions.

The list of suggested first-year courses given below is a general guide only. Students planning professional studies at other institutions should contact the institutions for information about admission requirements before their first year at the University of Victoria. Students wanting advice about professional education should consult the Academic Advising Centre, servicing the Faculties of Humanities, Science and Social Sciences, for specific information on prerequisites.

Professional Studies	Suggested preparation ¹ (First-year studies)
Agriculture	Biology Chemistry English Mathematics Physics or Economics
Applied Science	Chemistry Computer Science English Mathematics Physics
Architecture	Art English History in Art Mathematics Physics Social Sciences
Chiropractic	Biology Chemistry Human Anatomy Human Physiology Mathematics (recommended) Physics (recommended) Psychology
Commerce and Business Administration	Economics English Mathematics Computer Science
Dentistry	Biology Chemistry English Human Anatomy Human Physiology Mathematics Physics Biochemistry
Family and Nutritional Sciences	Biology Chemistry English Human Anatomy Human Physiology Mathematics (Human Nutrition, Dietetics) Physics (Human Nutrition) Social Science (Family Sciences, Home Economics, Dietetics)
Forestry Biology	Chemistry English

Medicine

Mathematics
Physics
Biology
Chemistry
English
Human Anatomy
Human Physiology
Mathematics (recomm'd)
Physics (recommended)

Optometry

Biochemistry
Biology
Chemistry
Human Anatomy
Human Physiology
Mathematics
Physics

Pharmacy

Psychology
Biology
Chemistry
English
Human Anatomy
Human Physiology
Mathematics
Physics

Rehabilitation Medicine

Biology
Chemistry
English
Human Anatomy
Human Physiology
Mathematics/Statistics
Psychology

Speech and Hearing Science

Students intending to pursue studies in the Speech and Hearing Sciences are advised to consult the Department of Linguistics about the BSc program in Linguistics, which offers suitable preparation for this area of study.

Veterinary Medicine

Biology, including Genetics
Chemistry, including
Organic Chemistry
English
Mathematics
Physics
Biochemistry
Microbiology
Electives: a course in
Statistics is recommended

1. Please note that suggested courses for first-year students only are presented, although it may be possible to complete one or more additional years of study at the University of Victoria.

Undergraduate Academic Regulations

Students should check the Calendar entries of individual faculties for any additional or more specific regulations.

ATTENDANCE

Students are expected to attend all classes in which they are enrolled. A department may require a student to withdraw from a course if the

student is registered in another course that conflicts with it in time.

An instructor may refuse a student admission to a lecture or laboratory because of lateness, misconduct, inattention or failure to meet the responsibilities of the course. Students who neglect their academic work, including assignments, may be refused permission to write the final examination in a course.

Instructors must inform students at the beginning of the term, in writing, of the minimum attendance required at lectures and in laboratories in order to qualify to write examinations.

Students who are absent because of illness, an accident or family affliction should report to their instructors upon their return to classes.

COURSE LOAD

Minimum Course Load

Some programs require students to be enrolled in a minimum number of units during the Winter Session. Students should refer to the calendar entries of individual faculties for information.

Students should note that Canada Student Loans require enrolment in at least 4.5 units for credit (3 units for students with a permanent disability), excluding duplicate and/or mutually exclusive course work, in each term of the Winter Session. Most undergraduate scholarships, bursaries and prizes administered by the University are restricted to students enrolled in a minimum of 15 units in each Winter Session.

Maximum Course Load

Except with the written approval of the Dean, the following maximum course loads apply to individual sessions and terms and do include studies taken elsewhere.

Session/Term	Maximum course load
Winter Session:	
September-April	.....18 units
September-December	.....9 units
January-April	.....9 units
Summer Session:	
May-August	.....9 units

Final Year Studies

Normally, a student should complete the final 15 units of courses at the University of Victoria. A student may, however, take the final year of study at another university, subject to the regulations mentioned under Graduation, page 39, and with the prior consent of the Dean of the faculty concerned.

A student authorized to attend another institution who accepts a degree from that institution gives up any right to a UVic degree until the student has satisfied the University's requirements for a second bachelor's degree, page 40.

COURSE CREDIT

Accumulation of Credit

All course credits earned are recorded on the student's academic record. Whether credit for a course applies toward a degree or diploma is determined by the regulations governing the program. In the case of a course taken more than once, the unit value will be shown on the student's record in each instance, but units are awarded only once toward the student's degree

or diploma unless the course is designated as one that may be repeated for additional credit.

Advanced Placement or Exemption Without Unit Credit

In exceptional circumstances, undergraduate students may qualify for an exemption from a required course or for advanced placement in a program through independent study or other experience.

Students requesting advanced placement or exemption should apply to the department offering the course or program.

Advanced placement or exemption from a required course carries no unit credit.

Completing Program Requirements

A student who has not met the course requirements for the lower years of a program may only proceed to courses in a higher year if the student concurrently takes all courses required to clear any requirements.

Credit by Course Challenge

Course challenge is intended to allow registered undergraduate students to receive credit in undergraduate courses on the basis of knowledge or experience acquired outside the University. A student challenging a course must undertake a special examination or other form of assessment administered by the department in which the course is offered.

Course challenge is not offered by all departments. Where not specifically referenced in the departmental calendar entry, a student should consult the department directly to determine if course challenge is permitted. Where it is offered, the following regulations apply:

- Students who are unclassified or have non-degree status may not challenge a course.
- A course challenge examination/evaluation normally must be completed before the end of the period for adding courses in both Winter Session and Summer Session, at a time determined by the department.
- Credit by course challenge is limited to 15 units or, for students in a diploma program, a maximum of 3 units.
- A student may not challenge any course whose equivalent appears on the student's secondary school, college or university transcript, whether or not the student successfully completed the course.
- A student who receives credit in a course at one level may not challenge its prerequisite in the same subject.
- A specific course may be challenged only once.
- The result of the course challenge examination or assessment will be entered on the student's academic record whether or not the challenge is successful. The grade received will be used in determining the student's sessional standing.

For more information, or a course challenge application form, contact Undergraduate Records. Students are urged to complete challenge examinations before the end of the period for adding courses, so that they can make any course changes needed for that session.

Duplicate and Mutually Exclusive Courses

A course may be taken only once for credit unless the course description states that it may be taken more than once for credit.

Students are solely responsible for checking calendar descriptions, including those for assigned transfer credit, prior to and after registration, for any reference to duplicate, mutually-exclusive or cross-listed relationships.

Duplicate (DUP-same course) or mutually exclusive courses (M/X-different course/number, same content as another course) will be identified and recorded on a student's academic record.

Students should note that for Canada Student Loan purposes, courses identified as duplicate/mutually exclusive will not be counted toward the minimum required course load of 4.5 units per term. Students should contact Student Awards and Financial Aid for information about their student loan status.

The grade received for a duplicate or mutually exclusive course will be used in calculating a student's sessional grade point average, but credit for the course will not be granted a second time.

In the case where a course registration has been partially duplicated by transfer credit, the partial transfer credit will be deleted from the student's record on completion of the "duplicate" course. The student will be assigned full credit for the course at UVic. Transfer credit which duplicates course work previously awarded by UVic will also be deleted from the student's record.

Credits in Established International Exchange Programs

UVic students may receive exchange credit to a maximum of 15 units, or other limit as approved by a faculty and the Senate, for course work completed on an exchange program established by a signed agreement between the University and another institution. The exchange credits are treated as UVic course credits in determining whether the student has met the minimum requirements for graduation and the student's standing at graduation. Students who participate in an exchange program should be aware that normally 18 units of the required minimum 21 senior units should be completed at UVic.

Courses completed on approved exchange programs are entered on the student's academic record as exchange credit. Letter grades are not assigned; a Com/Fail is recorded for each recognized exchange course. In instances where no direct equivalent course exists, non-specific level credit will be assigned and recorded on the transcript. The transcript will also indicate that the courses were completed on an exchange program at another institution. Exchange credit may not be recognized for all courses.

Students interested in applying for a UVic International Exchange program should complete both the UVic International Exchange Program application and the Proposed Study Plan form, which are available from the International and Exchange Student Services Office. An information session is held in the fall each year prior to the January application deadlines (see IESS for dates).

Before leaving on an exchange program, each student must complete the Official Exchange Contract and Liability Waiver. Students should be aware that they could be unable to register in some or all of the exchange courses they plan to take at the exchange institution due to timetable conflicts or course cancellation.

On completion of the exchange, students must request the host institution to forward an official transcript directly to Undergraduate Records at UVic. It is the student's responsibility to obtain all course descriptions, course outlines and syllabuses, including the contact hours per course. In addition, a notarized translation of documents issued in a language other than English will be required for all but language courses. Students should NOT submit additional supplementary documentation (such as completed assignments, course texts, etc.) unless specifically requested to do so by Undergraduate Records. The determination of course equivalencies cannot proceed until the above-noted official transcript and documentation are received. Exchange credit may not be recognized for all courses.

Policies and procedures may differ for exchange programs administered by individual academic units. Students in the Faculty of Business and the Faculty of Law should consult their faculty.

Please see Student Exchange Programs, page 17 for more information.

Canadian University International Study Abroad Program (CUSAP)

CUSAP is offered at the International Study Centre, located at Herstmonceux Castle in East Sussex, UK (for more information, see note 12 on page 26). The program allows UVic students to study abroad while receiving credit toward their UVic program. Upper-year students may choose from a number of interdisciplinary programs, including Fine Arts, Languages, Humanities, Social Sciences, Business and Law.

All current UVic students are eligible to apply. Information about the program and the upper-year application form are available at <<http://uvic.ca/cusap>>.

Credit Limit—Beginning Level Statistics and Physics Courses

Students may receive credit for a maximum of 3 units of beginning level statistics courses chosen from the following: ECON 245 (or 240); GEOG 226 (or 321); PSYC 300A; SOCI 271 (or 371A or 371); Statistics 100-level or 200-level transfer credit; one of STAT 252, 254, 255, 260 (or 250).

No more than 4.5 units of credit may be obtained from 100-level physics courses.

REPEATING COURSES

This regulation applies to students in all courses except Law.

A student who fails a required course must repeat the course or complete an acceptable substitute within the next two sessions the student attends the University. A student who fails to do so will normally be refused permission to register again in the required course.

A student may not attempt a course a third time without the prior approval of the Dean of the faculty and the Chair of the department in which the

course is offered unless the calendar course entry states that the course may be repeated for additional credit. A student who has not received this approval may be deregistered from the course at any point and may be asked to withdraw from his or her declared or intended program.

Note: When a course is repeated, **both** the original grade and the grade assigned for the repeated course will remain on the student's record.

PROGRAM REQUIREMENT CHANGE

1. Subject to paragraphs 3 and 4, students' programs will normally be governed by the regulations of the faculty in effect at the date of their first registration in the faculty.
2. Where faculty regulations change program requirements before the student has completed her or his degree, diploma or certificate, the student, with the approval of the faculty¹, may elect to be governed by the new regulations.
3. Where an academic unit does not propose to provide access to courses necessary to satisfy previous program requirements for at least five² years, that unit must provide a transition program for any student registered in the faculty at the date of the program change who demonstrates that satisfying the new program requirements will extend the length of time (number of terms) that the student requires to complete her or his current program within the faculty.
4. An academic unit has no obligation to provide access to courses necessary to satisfy previous program requirements or to provide transitional programs for more than five years after the date of the program change.
5. Where a student believes that a program requirement change has unfairly prejudiced her or him due to special circumstances, and that these regulations do not apply to the student's situation, the student may request the Chair or Director or Associate Dean (in a faculty without schools or departments) to establish a transition program. A student may appeal a negative decision to the Dean or the Dean's designate. The decision of the Dean or designate is final.³

1. In some faculties (particularly Education), accreditation requirements may not permit a change in regulations midway through a student's program.

2. The change to five years reflects the number of years some faculties allow to complete their degree program.

3. Because it is impossible to foresee all situations in which unfairness may arise (for example, a student transferring in with advanced standing from a program affiliated with a UVic program), this general regulation will allow for special circumstances.

POLICY ON ACADEMIC INTEGRITY

Academic integrity requires commitment to the values of honesty, trust, fairness, respect, and responsibility. It is expected that students, faculty members and staff at the University of Victoria, as members of an intellectual community, will adhere to these ethical values in all activities related to learning, teaching, research and service. Any action that contravenes this standard, including misrepresentation, falsification or de-

ception, undermines the intention and worth of scholarly work and violates the fundamental academic rights of members of our community. The following policies and procedures are designed to ensure that the University's standards are upheld in a fair and transparent fashion.

In this regulation, "work" is defined as including the following: written material, laboratory and computer work, musical or art works, oral reports, audiovisual or taped presentations, lesson plans and material in any medium submitted to an instructor for grading purposes.

Violations of academic integrity covered by this policy can take a number of forms, including the following:

Plagiarism

A student commits plagiarism when he or she:

- submits the work of another person as original work
- gives inadequate attribution to an author or creator whose work is incorporated into the student's work, including failing to indicate clearly (through accepted practices within the discipline, such as footnotes, internal references and the crediting of all verbatim passages through indentations of longer passages or the use of quotation marks) the inclusion of another individual's work
- paraphrases material from a source without sufficient acknowledgement as described above

Students who are in doubt as to what constitutes plagiarism in a particular instance should consult their course instructor.

The University reserves the right to use plagiarism detection software programs to detect plagiarism in essays, term papers and other assignments.

Multiple Submission

Multiple submission is the resubmission of work by a student that has been used in identical or similar form to fulfill any academic requirement at UVic or another institution. Students who do so without prior permission from their instructor are subject to penalty.

Falsifying Materials Subject to Academic Evaluation

Falsifying materials subject to academic evaluation includes, but is not limited to:

- fraudulently manipulating laboratory processes, electronic data or research data in order to achieve desired results
- using work prepared by someone else (e.g., commercially prepared essays) and submitting it as one's own
- citing a source from which material was not obtained
- using a quoted reference from a non-original source while implying reference to the original source
- submitting false records, information or data, in writing or orally

Cheating on Assignments, Tests and Examinations

Cheating includes, but is not limited to:

- copying the answers or other work of another person

- sharing information or answers when doing take-home assignments, tests and examinations except where the instructor has authorized collaborative work
- having in an examination or test any materials or equipment other than those authorized by the examiners
- impersonating a candidate on an examination or test, or being assigned the results of such impersonation

Candidates found communicating with one another in any way or having unauthorized books, papers, or communication devices such as cell phones and PDA's in their possession, will be considered to be in violation of the University Policy on Academic Integrity.

Aiding Others to Cheat

It is an offence to help others or attempt to help others to engage in any of the conduct described above.

Procedures for Dealing with Violations of Academic Integrity

Procedures for determining the nature of alleged violations involve primarily the course instructor and the Chair or Director of the unit concerned (or, in the case of undepartmentalized faculties, the Dean). Procedures for determining an appropriate penalty also involve Deans and, in the most serious cases, the President. The Chair, Director or Dean (in the case of undepartmentalized faculties) may designate an experienced faculty member (e.g., the course coordinator in multiple-section courses) to fulfill his or her responsibilities in relation to this policy.

Allegations

Alleged offences must be documented by the instructor, who must inform the Chair. The Chair shall then inform the student in writing of the nature of the allegation and give the student a reasonable opportunity to respond to the allegation. Normally, this shall involve a meeting between the instructor, the Chair, the student and, if the student requests in advance, another party chosen by the student to act as the student's adviser.

Determining the Nature of the Violation

The Chair shall make a determination as to whether convincing evidence exists to support the allegation.

Determining Appropriate Penalties

If there is convincing evidence, the Chair shall inform the Dean of the faculty in which the course is offered (or the Dean of Graduate Studies, in the case of graduate students), who shall then inform the Chair whether the student's record contains any other confirmed instances of plagiarism or cheating. If there is no record of prior offences, the Chair shall make a determination with respect to the appropriate penalty, using the guidelines provided below.

Referral to the Dean

Where there has been a prior offence, the Chair shall forward the case to the Dean (or the Dean's designate) of the student's faculty, after having first determined that convincing evidence exists to support the allegation. The Chair may submit a recommendation to the Dean with respect to a proposed sanction. In the case of a first-time offence that is particularly unusual or serious, the

Chair may refer the case to the Dean, with a recommendation for a penalty more severe than those outlined below.

Letters of Reprimand

Any penalty will be accompanied by a letter of reprimand which shall be written by the authority (Chair, Dean, President) responsible for imposing the penalty. The letter of reprimand shall be sent to the student and copied to Undergraduate or Graduate Records, where it shall be kept until four (4) years after graduation.

Rights of Appeal

Students must be given the right to be heard at each stage, and have the right to appeal decisions in accordance with University policy. A student may:

- appeal a decision made by an instructor to the Chair of the department in which the student is registered
- appeal a decision made by the department Chair to the Dean of the faculty in which the student is registered
- appeal a decision made by the Dean or by the President under the provisions of section 61 of the University Act to the Senate Committee on Appeals

In the case of a successful appeal, any penalty will be rescinded and the letter of reprimand shall be withdrawn from Undergraduate or Graduate Records.

Guidelines for Penalties

These guidelines distinguish between minor and serious violations of university policy, and between first and subsequent offences.

Violations Relating to Undergraduate or Graduate Course Work

The following guidelines apply to undergraduate and graduate students.

Plagiarism

Multiple instances of inadequate attribution of sources should result in a grade of zero for the assignment. A largely or fully plagiarized assignment should result in a grade of F for the course.

Multiple Submission Without Prior Permission

If a substantial part of an assignment submitted for one course is essentially the same as part or all of an assignment submitted for another course, this should result in a grade of zero for the assignment in one of the courses. If the same assignment is submitted for two courses, this should result in a grade of F for one of the courses. The penalty normally will be imposed in the second (i.e., later) course in which the assignment was submitted.

Falsifying Materials

If a substantial part of an assignment is based on false materials, this should result in a grade of zero for the assignment. If an entire assignment is based on false materials (e.g., submitting a commercially prepared essay as one's own work), this should result in a grade of F for the course.

Cheating on Exams

Any instance of impersonation of a candidate during an exam should result in a grade of F for the course for the student being impersonated, and disciplinary probation for the impersonator (if he or she is a student). Isolated instances of

copying the work of another student during an exam should result in a grade of zero for the exam. Systematic copying of the work of another student (or any other person with access to the exam questions) should result in a grade of F for the course. Any instance of bringing unauthorized material (e.g., crib sheets, written notes on body or clothing) into an exam should result in a grade of F for the course. Sharing information or answers for take-home assignments and tests when this is clearly prohibited in written instructions should result in a grade of zero for the assignment when such sharing covers a minor part of the work, and a grade of F for the course when such sharing covers the bulk of the work.

Collaborative Work

In cases in which an instructor has provided clear written instructions prohibiting certain kinds of collaboration on group projects (e.g., students may share research but must write up the results individually), instances of prohibited collaboration on a substantial part of the assignment should result in a grade of zero for the assignment, while instances of prohibited collaboration on the bulk of the assignment should result in a grade of F for the course.

Repeat Violations

Any instance of any of the violations described above committed by a student who has already committed one offence, especially if either of the offences merited the assignment of a grade of F for the course, should result in the student's being placed on disciplinary probation. This decision can only be taken by the Dean of the student's faculty. Disciplinary probation will be recorded on the student's transcript. If a student on disciplinary probation commits another offence, this should result in the student's permanent suspension. This decision can only be taken by the President, on the recommendation of a Dean.

Violations Relating to Graduate Student Theses

a) Instances of substantial plagiarism or falsification of materials that affect a minor part of the student's thesis should result in a student being placed on disciplinary probation and required to rewrite the affected sections of the thesis. While the determination of the nature of the offence would be made by the Chair, this penalty could only be imposed by the Dean of Graduate Studies. If there were no further offences, the notation "disciplinary probation" would be removed from the student's transcript after graduation.

b) Instances of plagiarism or falsification of materials that affect a major part of the student's thesis should result in the student being placed on disciplinary probation and the rejection of the thesis. While the determination of the nature of the offence would be made by the Chair, this penalty could only be imposed by the Dean of Graduate Studies.

c) If a student on disciplinary probation commits a second offence, the student should be subject to permanent suspension. This decision can only be taken by the President, on the recommendation of the Dean of Graduate Studies.

Keeping Records

Violations of academic integrity are most serious when repeated. Records of violations of uni-

versity policy are kept to ensure that repeat offenders can be identified and appropriately sanctioned. Access to these records is restricted to protect students' right to privacy.

a) Chairs, Directors and Deans (whichever is responsible for imposing the penalty) will report instances of plagiarism and cheating to Undergraduate or Graduate Records. The student's file will be marked to indicate that a violation has occurred and the faculty in which the violation occurred, and to note the penalty imposed (i.e., zero for the assignment, F for the course).

b) Only Deans (or their designates) will have access to information on individual students, and only to check for repeat offences. This information will not be available to instructors, Chairs, or other staff. Administration officers may have access to aggregate information on numbers of offences for purposes of analysis, but in this case the information is to be provided without revealing the names of students.

c) Disciplinary probation will be recorded on the transcripts of students who have committed two or more offences. (Academic probation is a separate status; for details, see Minimum Sessional Grade Point Average and Academic Standing, page 38.)

d) Files detailing the nature of the offence are to be retained in either the Dean's office or the Chair's office until four years after the student's graduation.

e) Ordinarily, information on cases of plagiarism and cheating is to be available only to the Dean and only for the purpose of checking for repeat offences. However, in some special circumstances, there may be reasons why faculty members need to have access to this information (e.g., character attestation for purposes of professional accreditation). If a faculty intends to use the files kept by the Dean or Chair for any such purpose, that purpose must be publicly identified by the faculty.

EVALUATION OF STUDENT ACHIEVEMENT

An important purpose of evaluation and grading is to further effective teaching and learning. Any practices that assign a predetermined percentage of students a specific grade—that is, a certain percentage get A, another percentage get B and so on—without regard to individual achievement are prohibited.

Assessment Techniques

Each department will formally adopt the techniques for evaluating student performance which it considers appropriate for its courses and which allow instructors within the department some options.

Assessment techniques include: assignments; essays; oral or written tests, including midterms; participation in class discussions; seminar presentations; artistic performances; professional practice; laboratory examinations; "open book" or "take home" examinations; and examinations administered by the instructor or Undergraduate Records during formal examination periods. Self-evaluation may not be used to determine a student's grade, in whole or in part, in any course.

- Final examinations, other than language orals or laboratory examinations, will be administered during formal examination periods.
- Tests counting for more than 15% of the final grade may not be administered:
 - in any regular 13-week term, during the last two weeks of classes or in the period between the last day of classes and the first day of examinations;
 - in any Summer Session course, during the three class days preceding the last day of the course.
- Neither the department nor the instructor, even with the apparent consent of the class, may set aside this regulation.
- An instructor may not schedule any test that conflicts with the students' other courses or any examination that conflicts with the students' other examinations in the official examination timetable.
- An instructor may not schedule any test during the last two weeks of classes in a regular 13-week term unless students in the course have been given notice at least six weeks in advance.
- An instructor may not assign a weight of more than 60% of the overall course grade to a final examination without the consent of the Dean of the faculty.

Correction and Return of Student Work

Instructors will normally return all student work submitted that will count toward the final grade, except final examinations.

Instructors are expected to give corrective comments on all assigned work submitted and, if requested to do so by the student, on final examinations.

Where appropriate and practical, instructors should attempt to mark students' work without first determining the student's identity.

Course Outline Requirement

Instructors are responsible for providing the departmental Chair and the students in the course with a written course outline at the beginning of the course. The outline must state the course content and/or objectives and the following information:

- a probable schedule with the due dates for important assignments and tests
- the techniques to be used to assess students' performance in the course
- how assignments, tests and other course work will be evaluated and the weight assigned to each part of the course
- the relationship between the instructor's grading method (letter, numerical) and the official University grading system

Instructors who use electronic media to publish their course outline should ensure that students who do not have access to the electronic outline are provided with a printed version. They must file printed versions of their outlines with their department or school.

Instructors who plan to use a plagiarism detection software program to detect plagiarism in essays, term papers and other assignments should include a statement to that effect in the course outline provided to students.

Duplicate Essays and Assignments

A student may submit the same essay or assignment for two courses when both instructors have been informed and have given their written permission to the student.

If a student submits an essay or assignment essentially the same in content for more than one course without prior written permission of the instructors, an instructor may withhold partial or total credit for the course work.

English Deficiency

Term essays and examination papers in any course will be refused a passing grade if they are deficient in English. When an instructor has reasonable grounds for believing a student lacks the necessary skills in written English, the instructor, in consultation with the English department's Director of Writing, can require the student to write an English Deficiency Examination, administered by the English department, the results of which will be binding, regardless of any credit the student has accumulated at UVic or elsewhere.

Laboratory Work

In any science course which includes laboratory work, students will be required to achieve satisfactory standing in both parts of the course. Results for laboratory work will be announced by the department prior to the final examinations. Students who have not obtained a grade of at least D will not be permitted to write the examination and will not receive any credit for the course. If a student obtains satisfactory standing in the laboratory work only and repeats the course, the student may be exempted from the laboratory work with the consent of the department. The same rules may, at the discretion of the department concerned, apply to non-science courses with laboratory work.

Term Assignments and Debarment from Examinations

In some courses students may be assigned a final grade of N or debarred from writing final examinations if the required term work has not been completed to the satisfaction of the department concerned. Instructors in such courses must advise students of the standard required in term assignments and the circumstances under which they will be assigned a final grade of N or debarred from examinations.

ACADEMIC CONCESSIONS

Academic Concession for work that will be completed before course grades are submitted by the instructor.

A student whose academic performance is affected by injury, family or personal affliction, or illness should immediately consult with University Counselling Services, University Health Services, or another health professional, and may request, directly from the course instructor, deferral or substitution of a mid-term test or examination, or of other work which is due during the term. This request must be accompanied by supporting documentation.

All work for which a Concession is approved must be completed before course grades are submitted by the instructor.

If the request for deferral or substitution of term work is denied, a student may appeal as described under "Appeals", page 40.

Academic Concession for work that will be completed after course grades are submitted by the instructor.

A student whose academic performance is affected by injury, family or personal affliction, or illness, should immediately consult with University Counselling Services, University Health Services, or another health professional and, where the due date for the work is after course grades are submitted by the instructor, must submit a formal Request for Academic Concession (RAC). A RAC must always be accompanied by supporting documentation.

An academic concession may be:

- a Deferral of a final examination, test, or other course work;
- an Extended Deferral of this work;
- an Aegrotat (AEG) notation added to a course grade in cases where injury, affliction, or illness affected performance in a completed course, or will prevent completion of a course; and a Deferral is not viable;
- a Drop of courses without academic penalty — and possibly without fee penalty — after the published Last Day for Withdrawing.

All RACs, along with supporting documentation, must be submitted to Undergraduate Records. For Deferrals, Aegrotats and Drops this must normally be done within ten working days of the end of the examination period of the term in which the course is taken. For Extended Deferral this must normally be done no later than the deadline set for completion in the initial Deferral.

If a Deferral is granted, any required course work (including exams) must be completed at the latest by the end of the term immediately following the course:

- courses ending in December: completion by the end of the following April;
- courses ending in April: completion by the end of the following August;
- Summer Session courses: completion by the end of the following December.

If deferred work is not completed by the deadline, the final grade for the course reverts to the grade calculated and submitted originally by the instructor on the basis of the work that was completed. A Deferral may be extended beyond the above deadlines only in exceptional circumstances and only with the written permission of the Dean (or designate) of the student's Faculty of Registration. An additional RAC is required, asking for an Extended Deferral.

If a Request for Academic Concession is denied, a student may appeal as described under "Appeals", page 40.

A student who completes all course requirements is not eligible for an academic concession. Exceptions will only be considered by the Dean (or designate) of the student's Faculty of Registration if there is supporting documentation that the student was not medically or otherwise fit to make a decision on whether or not to complete the work. The RAC must be submitted to Undergraduate Records as soon as possible after completion of the work and before the results are known.

EXAMINATIONS

Examinations in the Winter Session are held in December and April. Timetables are posted on official University bulletin boards and at the Undergraduate Records website <registrar.uvic.ca> by the end of October for first-term exams (December), and by the end of February for second-term exams (April). Students should wait until the final examination timetable is posted before making travel or work plans.

Regulations Governing Administration of University Examinations

Identification, entering and exiting the examination

- Candidates **may not enter** the examination room until invited to do so by the invigilator in charge.
- Candidates **may not enter** the examination room **after** the expiration of **one half hour, nor leave during the first half hour** of an examination.
- Candidates **may not leave** the examination room without first delivering their examination booklets to the invigilator.
- Candidates **leaving or entering** examination rooms should do so **quietly** in order not to disturb others and are asked **not to gather** in adjacent corridors, lest they disturb candidates who are still writing.
- Invigilators may require candidates to remain quietly in their seats for the **last 15 minutes** of the examination.
- Candidates may be called upon by an invigilator to **produce a UVic Student Identity Card**.

Permitted/Restricted materials

- Candidates **may not have any materials or equipment** that are not provided by the invigilators or authorized by the instructor in charge of the course, or have **communication devices such as cell phones and PDAs** in their possession.
- Candidates are advised **not to write extraneous material** in examination booklets.

Communication during the examination

- Candidates **may not communicate** in any way with each other.
- Candidates who **wish to speak** to the invigilator should **raise their hand or rise in their place**.
- Candidates are **not permitted to ask questions** of the invigilator, except in cases of supposed errors in the papers.
- A candidate who believes that an error has been made in a paper should report it **immediately** to the invigilator and, **after the examination**, report the error in **writing to Undergraduate Records**. If there are other reasons for complaint, the candidate should communicate with that office within 24 hours.
- Candidates are responsible for **reporting distractions**, such as repetitive or excessive noise, to the invigilators without delay.
- In cases of **extreme misconduct**, invigilators are empowered to **expel** candidates from an examination room. Under such circumstances, candidates may be required to **withdraw** from the University following an investigation of circumstances surrounding the misconduct.

Illness or family affliction

- Candidates **who fall ill** during an examination should report at once to the invigilator.
- Candidates **who fall ill or suffer an accident or family affliction before** an examination should report the circumstances immediately to **Undergraduate Records and submit a request for Academic Concession**.

Deferred Status

A student who becomes ill during a final examination, or misses a final examination because of injury, family or personal affliction, or illness may be eligible for an Academic Concession resulting in a Deferral of the examination, or an Aegrotat (AEG) notation. (For Academic Concession relating to coursework other than final examinations, see "Academic Concessions", page 35.)

A student should immediately consult University Counselling Services, University Health Services, or another health professional, and must apply for a Deferral of the examination, or an Aegrotat (AEG) notation, by completing a formal Request for Academic Concession (RAC). The RAC must be accompanied by supporting documentation, and must be submitted to Undergraduate Records, normally within ten working days of the end of the examination period of the term in which the course is taken.

Undergraduate Records will ask the instructor to consider the request. If a Deferral is not approved, the instructor will submit a final grade. A student may appeal as described under "Appeals", page 40.

Where the instructor does not give a deferred examination but assigns a final grade based on an assessment of the student's performance on the completed course work, the grade will appear on the student's record with an Aegrotat (AEG) notation (see "Grading", page 37).

If a Deferral is granted, the final examination must be completed at the latest by the end of the term immediately following the course:

- courses ending in December: completion by the end of the following April;
- courses ending in April: completion by the end of the following August;
- Summer Session courses completion by the end of the following December.

For courses that finish in December and are prerequisite to courses starting in January, deferred final examinations are normally held by the end of the first two weeks in January.

For courses that finish in April, deferred final examination may be scheduled either by the department or by Undergraduate Records. Deferred final examinations scheduled by Undergraduate Records are normally held the last three (3) working days of July. Undergraduate Records will send an email regarding deferred examinations, with a link to the Application to Write Undergraduate Deferred Examinations. The student must fill out the application and return it to Undergraduate Records, accompanied by the necessary fees, by the end of the third week in June. Deferred final examinations organized through Undergraduate Records may be written at the University as well as at various centres inside and outside British Columbia (locations are normally restricted to universities or

colleges). The fee for each off-campus deferred exam is \$60.00. There is no fee for deferred exams written on-campus.

If deferred work is not completed by the deadline, the final grade for the course reverts to the grade calculated and submitted originally by the instructor on the basis of the work that was completed.

A Deferral may be extended beyond the above deadlines only in exceptional circumstances and only with the written permission of the Dean (or designate) of the student's Faculty of Registration. An additional RAC is required, asking for an Extended Deferral (see "Academic Concessions", page 35).

Students in the BEng program should consult the Faculty of Engineering regulations with respect to the timing of deferred exams.

Students in their graduating year must, upon approval of a Deferral for a final examination, contact the Records Officer for their Faculty of Registration (c/o Undergraduate Records) immediately to discuss the timing of the final grade submissions in relation to the dates of Faculty degree approval and their graduation eligibility.

Student Access to Final Examinations

All final examinations are stored in the departmental office or in Undergraduate Records for 12 months after the official release of grades, except when a review of an assigned grade or an appeal to the Senate Committee on Appeals is in progress. In the case of a review of an assigned grade, the relevant material will be kept for a further six months. In the case of an appeal to the Senate, the relevant material will be kept for six months after a final decision has been reached.

Students are permitted access to final examination questions and their own answers on request to their instructor or departmental Chair after the grades have been submitted to Undergraduate Records by the department. This access to the final examinations does not constitute a request for a review of an assigned grade. Students wishing to have grades reviewed should follow the procedure outlined under Review of an Assigned Grade, page 37. Students are allowed to purchase a photocopy of their own final examination answer papers and, unless withheld by the instructor with the agreement of the departmental Chair, of the final examination questions.

Undergraduate Supplemental Examinations

The following regulations apply to students in all programs except BCom, BEng, BSEng, LLB, master's and doctoral programs (see regulations of the Faculties of Engineering, Law or Graduate Studies, as appropriate).

Supplemental examinations are not offered by all departments. Students will be advised whether a supplemental examination will be offered when assessment techniques are announced at the beginning of a course.

Where supplemental examinations are permitted by a department, they are governed by the following regulations:

- Students may apply to write a supplemental examination in a course only if they have writ-

ten a final examination and have received a final grade of E in the course.

- Students taking 15 or more units in the Winter Session will be granted supplemental examinations only if they have passed at least 12 units of courses in that session. The maximum number of units of supplemental examinations allowed is normally 3. However, the Dean of the student's faculty may authorize supplemental examinations in an additional 3 units if the student will complete a degree by passing all the supplemental examinations granted.

- Students enrolled in Summer Session courses or taking fewer than 15 units in the Winter Session may be granted supplemental examinations for no more than 3 units; each case will be judged on the basis of the student's overall standing by the Dean of the student's faculty.

- A student in the final year of a degree program who obtains a failing grade in a supplemental examination may be granted a second such examination, at the discretion of the Dean of the student's faculty, if a passing grade in the second examination will complete the student's degree requirements.

- A student who obtains a grade of E in a course completed in December may, if eligible, either repeat the course in the second term if it is offered or write a supplemental examination in late July.

- Any passing grade obtained on a supplemental examination will be shown in the student's academic record with a grade point value of 1, corresponding to a D, and will be taken into account in determining the student's graduating average and standing at graduation, but will not affect the student's sessional grade point average.

- Supplemental examinations cover only the course work covered by written final examinations. If there was no written final examination in the course, or if a passing grade in a supplemental examination will not yield an overall passing grade in the course, a supplemental examination will not be provided.

- Supplemental examinations for Summer Session courses and for courses taken by students who are in attendance only during the first term of the Winter Session are arranged in consultation with the department or school that grants them. Supplemental examinations for all other courses taken in the Winter Session are written about the end of July.

- Students who fail to write a supplemental examination at the scheduled time forfeit both their eligibility and any fees paid for the examination.

- Supplemental examinations for courses taken during the first term of the Winter Session or during the Summer Session are scheduled by arrangement through the department.

- If the supplemental examination is not to be handled through the department, arrangements will be made through Undergraduate Records. The student will be notified by email regarding the supplemental exam, with a link to the supplemental examination application. The student must fill out the application online and return it to Undergraduate Records, accompanied by the necessary fees, by the end of the third week in June. Also, the application to write a supplemental exam is accessible online at <registrar.uvic.ca/undergrad/records/forms/forms.html>.

- Supplemental exams organized through Undergraduate Records are held on the last three working days of July each summer.

- Supplemental examinations organized through Undergraduate Records may be written at the University as well as at various centres inside and outside British Columbia (locations are restricted to universities or colleges).

- The fee for each supplemental examination is \$50 on campus and \$60 off campus.

GRADING

A primary purpose of evaluation and grading is to further effective teaching and learning. Any practices which assign a predetermined percentage of students a specific grade, that is, a certain percentage get A, another percentage get B and so on, without regard to individual achievement are prohibited.

The table at right shows the official grading system used by instructors in arriving at final assessments of student performance. For letter grades authorized for use in the Faculty of Law, see the entry under that faculty.

Numerical Scores

A department may allow instructors to use numerical scores, where appropriate, but each numerical score or mark must in the end be converted to a letter grade. Where a department authorizes the use of a numerical system in its courses, instructors are responsible for informing students of the relationship between the departmental numerical system and the University letter grade system.

Grade Submission Deadlines

Excluding the University Christmas closure period and the Easter closure period (if applicable)

Seven (7) calendar days after the end of classes for courses **that do not have a final examination** as noted in the calendar.

Seven (7) calendar days after the examination is written for those courses **that have a final examination**.

In cases where there is no final examination and the due date for the last assignment is **after** the last day of classes, the grades should be submitted **seven (7) calendar days after the due date for the assignment**.

Release of Grades

Instructors are permitted to release final grades informally to students in their classes, on request, as soon as the grades have been forwarded to Undergraduate Records by the school or department.

Student records are confidential. Instructors may release grades only to the student concerned, unless they have the student's permission to release the grades to a third party. Where grades are posted, only student numbers will be shown. Students are given the option at the beginning of a course to not have their grades posted.

Students' grades are available through uSource <uSource.uvic.ca>.

First-term results for full-year courses are released by instructors, not by Undergraduate Records.

Review of an Assigned Grade

Reviews of assigned grades, for either part or all of a course, are governed by the following regulations, subject to any specific procedures established by individual faculties. Students should visit their faculty website or their faculty Dean's office to obtain those procedures concerning grade reviews.

Please refer to Evaluation of Student Achievement, page 34; Student Access to Final Examination, page 36; and Release of Grades, above.

- Before applying for a formal review of a grade as outlined below, students should make every effort to discuss and/or submit a written appeal about the assigned grade with the instructor (see individual faculty procedures).
- If the instructor or Chair/Director does not agree to a review of the grade, then a formal request for review of a grade, including the grade review fee of \$25, may be submitted to Undergraduate Records, normally within 21 days of the release of grades.
- Students must keep all written work returned to them by the instructor during the term and make any work available that forms part of the grade to be reviewed. Undergraduate Records will make available completed final examinations when necessary.
- Undergraduate Records will send all materials involved in the grade review to the department Chair/Director, who will then arrange an independent evaluation of the grade (see individual faculty procedures).
- The grade determined by means of a review will be recorded as the final official grade, regardless of whether it is the same as, higher than or lower than the original grade.
- Students considering a review request should note that examination papers graded E or F (and D in some faculties) are automatically read at least a second time before the grades are recorded. For that reason, an applicant who is eligible for a supplemental examination should prepare for the examination in case a change in grade is not available before the time of the supplemental examination.
- Requests for review or other consideration based on compassionate grounds such as illness are governed by separate regulations (see the entry "Academic Concessions", page 35 and the entry "Deferred Status", page 36).

Grades for Term Work

During the session, students who believe that a grade awarded for term work is unfair should discuss the matter informally with the instructor concerned. If discussion with the instructor fails to resolve the matter, the student may appeal directly to the Chair/Director or designate of the department or school.

TRANSCRIPT OF ACADEMIC RECORD

On request of the student, a certified transcript of the student's academic record can be sent by Undergraduate Records directly to the institution or agency indicated in the request. Each transcript will include the student's complete record at the University to date. Since standing is determined by the results of all final grades in the session, transcripts showing official first-term grades are not available until the end of the

session, unless the student has attended the first term only.

Students' records are confidential. Transcripts are issued only at the request of students. All transcript requests must be accompanied by payment (see Miscellaneous Fees, page 43). Transcripts will be issued within five working days after a request is received by Undergraduate Records, unless a priority request is made. For more information and to order a transcript, access <registrar.uvic.ca>.

Transcripts will not be issued until all financial obligations to the University have been cleared.

Students who require proof of degree completion prior to convocation can request a letter from Undergraduate Records.

STANDING

Sessional Grade Point Average

The sessional grade point average is based on all courses completed in a session which have a unit value. Courses bearing the grade COM, N/X, or F/X are not included in the calculation of the grade point average.

A grade point average is found by multiplying the grade point value of each final grade by the number of units, totalling the grade points for all the grades, and dividing the total grade points by the total number of units.

Cumulative Grade Point Average

The cumulative grade point average, which normally appears at the end of a transcript, is based on all courses (other than courses graded COM, N/X, or F/X) taken or challenged at the University for which grades have been assigned (including F and N).

If a student takes courses beyond a first undergraduate degree, or transfers to the LLB program, a further cumulative grade point average will be calculated excluding those courses completed prior to the granting of the first degree or entry to the LLB program.

Minimum Sessional Grade Point Average and Academic Standing

The following regulations apply in all faculties and all sessions, including the Summer Session.

Undergraduates must maintain a sessional grade point average of at least 2.0 (or equivalent if a UVic student takes courses elsewhere for credit towards a UVic program).

University Probationary Status

Students whose sessional grade point average is 1.00 to 1.99 (regardless of registered course load) are considered to have unsatisfactory standing and will be placed on academic probation for the next session attended. Students should note that individual faculties may require a higher sessional grade point average. Failure to achieve the faculty grade point average requirement will result in the student being placed on faculty probation.

Undergraduate Records will notify students that they have been placed on probation through the addition of a notation to their academic record. Students on probation should contact the appropriate Advising Centre or Counselling Services for assistance, or take the Learning Skills

Undergraduate Grading		
Passing Grades	Grade Point Value	Description
A+	9	Exceptional, outstanding and excellent performance. Normally achieved by a minority of students. These grades indicate a student who is self-initiating, exceeds expectation and has an insightful grasp of the subject matter.
A	8	
A-	7	
B+	6	Very good, good and solid performance. Normally achieved by the largest number of students. These grades indicate a good grasp of the subject matter or excellent grasp in one area balanced with satisfactory grasp in the other area.
B	5	
B-	4	
C+	3	Satisfactory, or minimally satisfactory. These grades indicate a satisfactory performance and knowledge of the subject matter.
C	2	
D	1	Marginal Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.
COM	Excluded Grade	Complete (pass). Used only for 0-unit courses and those credit courses designated by the Senate. Such courses are identified in the course listings.
Failing Grades	Grade Point Value	Description
E	0	Conditional supplemental.
F	0	Unsatisfactory performance. Wrote final examination and completed course requirements; no supplemental.
N	0	Did not write examination or complete course requirements by the end of term or session; no supplemental.
N/X	Excluded Grade	Did not complete course requirements by the end of the term; no supplemental. Used only for co-op work terms and for courses designated by Senate. Such courses are identified in the course listings. The grade is EXCLUDED from the calculation of all grade point averages.
F/X	Excluded Grade	Unsatisfactory performance. Completed course requirements; no supplemental. Used only for co-op work terms and for courses designated by Senate. Such courses are identified in the course listings. The grade is EXCLUDED from the calculation of all grade point averages.
Temporary Grades	Grade Point Value	Description
INC	N/A	Incomplete. Used only for those credit courses designated by the Senate, to be replaced with a final grade by June 1. Such courses are identified in the course listings.
DEF	N/A	Deferred status granted. Used only when deferred status has been granted because of illness, an accident or family affliction. See Deferred Status, page 36.
UNK	N/A	Unknown. Used when grade is unknown.
INP	N/A	In Progress. Used only for courses designated by Senate, to be replaced with a final grade by the end of the next Winter Session or, in the case of TIED courses, by the end of the subsequent term. If the student fails to complete the second course of a TIED course sequence, then the final grade will be N. TIED courses are identified in the calendar.
CIC	N/A	Co-op Interrupted Course. See Co-op Regulations (14), page 46.
CTN	N/A	The CTN designation will appear on student transcripts at mid-point through the course or at the end of the first academic term (Sept-Dec). On completion of the course, the designation will be replaced with a final grade.
Grade		Note
AEG	N/A	Aegrotat. Transcript notation accompanying a letter grade, assigned where documented illness or similar affliction affected the student's performance or prevented completion of all course work.

Course or other workshops offered by Counselling Services.

Students who are on academic probation and who achieve a sessional grade point average of 2.0 or above at UVic will clear their probation status at the end of the session, except as noted below.

Students registered in less than 4.5 units in a session whose grade point average is less than 1.0 (or equivalent if a UVic student takes courses elsewhere for credit towards a UVic program) will be placed on "Dean's" probation. The Dean of the faculty concerned will review the student's record for the next session attended rather than being required to withdraw. The student will be informed of the Dean's decision. **Under these circumstances, a student who is placed on probation and who then obtains a grade point average of 2.0 or greater in the next session will not be taken off probation automatically.**

Students who are on probation, or whose standing is withheld in their most recent session because of deferred status, are not eligible for reregistration until their sessional grade point average for the latest/deferred session has been determined as satisfactory, except as noted below.

If a student's projected sessional grade point average for the latest/deferred session, including a grade of 0 for all deferred courses or outstanding grades, was determined to be above the minimum by the faculty concerned, the student will be authorized to register. The projected grade point average is calculated at the end of the session when the deferred standing is assigned. The projected grade point average does not appear on a student's academic record.

Depending upon a student's performance during the period of probation, the Dean may at any time either remove the student from probation for the remainder of the session or, acting on a decision of the faculty, require that the student withdraw from the University (see Withdrawal, page 39.)

Requirement to Withdraw from the University

A student who is on academic probation, including both University and Dean's Probation, and whose Winter sessional or Summer sessional grade point average falls below 2.0 (or equivalent if a UVic student takes courses elsewhere for credit towards a UVic program) will have failed to clear their probation status. These students will be required to withdraw regardless of the registered unit total, normally for one academic year.

Students registered in 4.5 units or more in a session whose grade point average is less than 1.0 (or equivalent if a UVic student takes courses elsewhere for credit towards a UVic program) will be required to withdraw, normally for one academic year. If a student has started courses in the current session before receiving notice of unsatisfactory standing in the most recent session, registration for courses in the current session will remain on the student's record, but the student will be required to withdraw following completion of the course(s), normally for one academic year. Registration in courses that have not started by the time the required to withdraw standing is determined will be dropped automatically.

All students who have been required to withdraw must apply to reregister if they wish to resume studies at the University. Permission to reregister will normally be granted to students who have:

1. completed the required withdrawal period; and
2. since their last registration at UVic, completed a **minimum** of 6.0 units of transferable non-duplicate course work with a C+ (3.0) average in ALL transferable courses attempted, including currently in-progress course work. All students returning after a requirement to withdraw will be placed on probation for the next session attended.

Students who have grounds for appeal as noted under Appealing Admission/Reregistration Decisions, page 22, may appeal to the Senate Committee on Admission, Reregistration, and Transfer, stating why they should be considered for reregistration.

A student who is permitted to reregister following a requirement to withdraw will be on academic probation for the duration of the session in which UVic studies are resumed.

A student who is required to withdraw a second time will not be permitted to register for credit courses at the University for at least five academic years.

Accumulation of Failing Grades

A "warning notice" will be issued when five failing grades are accumulated throughout a student's entire undergraduate academic record. The notice is for information only and carries no academic penalty. The notice contains information that may assist students in avoiding assignment of further failures.

WITHDRAWAL

A student may be suspended or required to withdraw from the University at any time for failure to abide by the University's regulations. (For the regulations of individual faculties concerning mandatory withdrawal, refer to the Calendar entry for the faculty.)

Withdrawal for Unsatisfactory Progress

Undergraduate students who have been placed on probation and whose progress is considered unsatisfactory may be required by their faculty to withdraw from the University for the remainder of the session. Students required to withdraw for unsatisfactory progress will be notified by Undergraduate Records. Students may request a review by the Senate Committee on Admission, Reregistration and Transfer by lodging a written appeal with the Committee, c/o Records Officer, Undergraduate Records.

Voluntary Withdrawal

An undergraduate student who after registration decides to withdraw from the University must notify Undergraduate Records. Students are encouraged to visit Counselling Services to discuss their decision and their Faculty Advising Centre to discuss their academic status and prospects before going to Undergraduate Records. Also, see Academic Concessions, page 35. Students in the Faculty of Law should speak with the Dean. Students who are unable to withdraw in person

must do so by letter addressed to Undergraduate Records.

Note: A sessional grade point average and academic standing are assigned at the end of the session and are based on final grades awarded (including N grades) in the session or term attended. Please see the calendar entry Minimum Sessional Grade Point Average and Academic Standing, page 38, for information regarding minimum sessional grade point average standards.

Students must obtain clearance from the University, to the satisfaction of Undergraduate Records, before being recommended, where applicable, for a fee refund. Summer Session students should refer to the *Summer Session Calendar*.

GRADUATION

Application for Graduation

The University Senate grants degrees in October and May each year prior to the awarding of degrees at convocation ceremonies in November and June, respectively. Candidates for a degree, diploma or certificate must submit a formal application for graduation when registering in the final Summer or Winter Session before their anticipated graduation. The application deadlines are July 1 for November convocation and December 1 for June convocation. Application forms for graduation are available from Undergraduate Records or can be requested at their website <registrar.uvic.ca>.

Because of the delay in obtaining official transcripts, students completing their degree requirements at another institution during the second term of the Winter Session (January-April) are not eligible to graduate at June convocation. They must apply for a succeeding convocation.

Please note that once a degree, diploma or certificate has been awarded by the University Senate, no changes can be made to the programs that constitute that credential nor can the degree, diploma or certificate be rescinded at the request of the student. For instance, a student may not undertake completion of additional course requirements to qualify for a different credential, such as adding a Minor program to an awarded degree or changing an awarded BA in Geography to a BSc degree in Geography, or changing an awarded BA Major to a BA Honours.

Minimum Degree Requirements for Graduation

Each candidate for a first bachelor's degree (in a faculty other than Law) is required:

- to have satisfied the Undergraduate English requirement, page 29
- to present credit in a minimum of 60 units of university level courses numbered 100 and above*; at least 21 of the units must be numbered at the 300 or 400 level; at least 18 of the 300 or 400 level units must be UVic courses, and at least 30 of the units must normally be UVic courses. (Post-diploma nursing students are advised to refer to the regulations specific to the School of Nursing; see Minimum Degree Requirements, page 131.)
- to meet the specific degree and program requirements prescribed by the undergraduate faculty in which the candidate is registered

- to have a graduating grade point average of at least 2.0

* **Important:** Credit awarded for a co-op work term cannot be used in satisfaction of the minimum degree requirements of 60 overall/30 UVic/21 senior units. Co-op work term credit is recognized ONLY in fulfillment of the co-op program work-term requirement.

Standing at Graduation

Graduating Average

The graduating average of a student in a bachelor's degree program (other than BEng, BSEng, and Law) will be determined as the weighted average of the grade values assigned to 300 and 400 level (and in Education 700 level) courses (other than COM-graded courses) taken or challenged at UVic. Courses at the 500 level may be included in the graduating average if they are accepted as credit towards the undergraduate degree.

A course which has been used to satisfy the requirements for one degree, or which has been used in the calculation of the student's graduating average for one degree, cannot be used for credit towards another degree.

With Distinction

The notation "With Distinction" will appear on the degree parchment, the convocation program and the transcript for each student whose graduating average GPA is in the top 20% of those graduating in her or his academic unit ("the 20% threshold GPA").

The "With Distinction" designation is not available in the Faculty of Law, the Faculty of Graduate Studies or the Division of Continuing Studies.

All graduating students in each academic unit – those graduating in Honours, Major and General programs only – are included in a single pool from which the 20% threshold GPA is calculated, and all are eligible for the "With Distinction" designation.

Calculation of the 20% threshold GPA is made at the time that convocation lists are generated for the Spring convocation, except in the Faculty of Business where Fall Convocation is the basis for the 20% threshold GPA calculation.

- Students who graduate in a Fall convocation will be given the "With Distinction" designation if their graduating average GPA meets the 20% threshold GPA calculated for the previous Spring convocation; a separate 20% calculation is not normally performed, but the University reserves the right to conduct a separate calculation for Fall convocations.
- In the Faculty of Business, calculations for the 20% threshold GPA are made at the time that convocation lists are generated for the Fall convocation, and the same graduating average GPA shall normally be used for the subsequent Spring convocation.
- Students whose names are added to the convocation lists after they are generated will be given the "With Distinction" designation if their graduating average GPA is equal to or exceeds the 20% threshold GPA calculated either at the time of generation or (in the case of Fall convocations in faculties other than the Faculty of Business and Spring convocations in the Faculty of Business) carried forward from the previous convocation.

In the Faculty of Education, calculations are performed separately for each of the following programs:

- BA Recreation and Health Education;
- BSc Kinesiology;
- BEd (Elementary Curriculum);
- BEd Elementary Post-Degree Professional Program;
- BEd (Secondary Curriculum);
- BEd Post-Degree Professional Program (Secondary).

Where the total number of students graduating in an academic unit (and, where applicable, in a degree type) in the Spring convocation is less than 20, the "With Distinction" designation is awarded on the basis of a 20% threshold GPA calculated including all units in the faculty.

For students enrolled in a general, double or combined program (Honours and Major, Double Major, Combined Major, Joint Programs), the achievement of "With Distinction" in one program shall be sufficient for the award of the designation.

Graduation Ceremonies

The formal conferral of degrees takes place at a convocation ceremony in the fall and spring each year.

To qualify as candidates for graduation in the fall (November) convocation, students must have finished their UVic course work by the end of August. Students completing final requirements in the first term of Winter Session cannot be considered for fall convocation.

To qualify as candidates for graduation in the spring (June) convocation, students must have completed their UVic course work by the end of April. Students completing final requirements in the May sequence of the Summer Session cannot be considered for spring convocation.

Graduates become members of the Convocation of the University as soon as their degrees are granted by the Senate, which generally occurs several weeks before the convocation ceremony.

Students who require proof of degree completion before degrees have been conferred by the Senate can obtain a letter from Undergraduate Records.

SECOND BACHELOR'S DEGREES

Students with a bachelor's degree from UVic or another recognized institution may be admitted to a second bachelor's degree program if they meet the admission requirements (see Second Bachelor's Degree, page 27), and the following conditions:

- At least 30 units of credit must be completed in addition to the units required for the first degree; normally, 21 of these 30 must be UVic courses at the 300 or 400 level. If the first degree was completed elsewhere, all 30 units must be completed at UVic.
- The student must meet all program and graduation requirements for the second degree beyond those required for the first degree.

Students who expect to apply courses towards a second degree should check with the Dean or advising centre of the faculty at least two months before graduating from their first degree pro-

gram to confirm that they will be able to include these courses in their second degree program.

Surplus Credit Allocation with Dean's Permission

Students who have completed or plan to complete more than the minimum upper-level requirements for their first degree with the intention of applying the additional course work towards the requirements of a second degree, must seek the permission of the Dean of their faculty or their faculty advising centre at least two months before graduating in their first degree.

Concurrent Bachelor's Degrees

In certain cases, it may be possible for a student to complete the requirements of two UVic degrees concurrently, subject in all cases to the requirements for a second bachelor's degree (see Surplus Credit Allocation, above).

APPEALS

Students who have grounds for believing themselves unjustly treated within the University are encouraged to seek all appropriate avenues of redress or appeal open to them.

Academic Matters

Academic matters are the responsibility of course instructors, departments, faculties and the Senate.

Depending on the nature of the academic matter of concern to the student, the order in which the student should normally try to resolve the matter is: first, the course instructor; second, the Chair of the department; third, the Dean of the faculty; and finally, the Senate. In addition, the student may wish to consult the UVSS Ombudsperson (see page 18). A student seeking a formal review of an assigned grade should consult the regulations on page 37.

Appeals to the Senate

Once all the appropriate recourses have been exhausted, a student may have the right of final appeal to the Senate Committee on Appeals.

The Senate Committee on Appeals is an impartial final appeal body for students at the University of Victoria. In accordance with the University Act, the Senate has delegated to the Senate Committee on Appeals the authority and responsibility to decide, on behalf of the Senate, all final appeals from students involving the application of academic regulations and requirements. The Senate Committee on Appeals has no jurisdiction to consider a decision where the sole question in a student's appeal turns on a question of academic judgment. Prior to filing an appeal with the committee, a student must have pursued and exhausted all other reviews, appeals or remedies provided by the University of Victoria's undergraduate and graduate calendars or by the policies or regulations of the student's faculty.

The deadline for filing an appeal before the Senate Committee on Appeals is two months from the final decision, action or treatment being appealed. Students who wish to file an appeal with the Senate Committee on Appeals must complete a Notice of Appeal form available from the Office of the University Secretary or online at <www.uvic.ca/universitysecretary/senate/appeals>.

For more information on submitting or responding to a student appeal to Senate, please refer to the Senate Committee on Appeals' Terms of Reference and the Procedural Guidelines available at <www.uvic.ca/universitysecretary/senate/appeals> or contact the Office of the University Secretary at this address:

Office of the University Secretary
Room A138,
Administrative Services Building
Phone: 250-721-8101
Email: usec3@uvic.ca
Website:
<www.uvic.ca/universitysecretary>

Petitions

Students whose circumstances are such that an academic regulation appears to cause them undue hardship are encouraged to consult their faculty advising centre or departmental Chair to determine whether the regulation is subject to waiver by the Dean of the faculty on petition by a student. The Dean's decision in such matters is final, subject to review by the Senate Committee on Appeals on grounds of specific procedural error (see above).

Undergraduate Tuition and Other Fees

Students, parents and sponsors are advised that the following tuition fees have been approved by the Board of Governors for the 2010-2011 academic year. Please note, however, that ancillary fees may still change.

GENERAL REGULATIONS

Students should note that the University reserves the right to change fees without notice. The University will give notice of any changes as far in advance as possible by means of a Calendar Supplement.

Student Responsibilities

- Students become responsible for their course or program fees upon registration. These fees may be adjusted only if a student officially drops courses, withdraws, cancels registration or changes status.
- Students are responsible for knowing in which courses they are registered. Students are required to formally drop courses, most often by using <usource.uvic.ca>, rather than rely upon instructors to drop them due to non-attendance.
- Students waitlisted for courses are responsible for monitoring their registration status with both instructors and uSource. Using uSource, students should recheck their registration. The courses listed on the system are those for which the student will be assessed fees.
- Students are also responsible for determining their fees, either from the Calendar and any calendar supplements or through the UVic website (see address below).
- See also Duplicate and Mutually Exclusive Courses, page 32.

Fee Accounts

The fees for a term comprise:

1. full tuition for term courses taken that term
2. one half tuition for full year courses/programs taken that term
3. any other fees assessed for that term

Statements of account are not mailed to students. Students may view their account balances at <usource.uvic.ca>.

Students unable to obtain their tuition fee information from uSource may call 250-721-7032, 250-721-7033 or 1-800-663-5260.

Proceeds of undergraduate awards received or granted by the University are credited to fee accounts.

First-term overpayments and other credits in excess of term fees are applied to unpaid accounts or to the next term if a student is registered in the following term. Any remaining credit balance for a term is refunded on request.

Tuition fees for credit courses are exempt from the Goods and Services Tax (GST), but GST may be required on other fees.

Payment Due Dates

Fees are due by the following dates:

First term **September 30**
Second term **January 31**

Any additional fees owing as a result of changes in a student's registration are due by the end of the month in which the changes are made.

Payments must be received by the Accounting Services office by 4:00 pm on the due dates (or on the preceding work day if the due date falls on a holiday or weekend). Students should note that web banking payments will be accepted until midnight on due dates.

Students are responsible for making their payment by the due date whether or not they received a statement of account.

Students who have not paid their full fees by October 31 in the first term and February 28 in the second term may have their course registrations cancelled and be denied other services.

Sample Fees for a Full-time First Year Undergraduate: Winter 2010-11 (Domestic)

	Humanities, Science, Social Sciences, Fine Arts, HSD ¹	Business ²	Education ¹	CENG, ELEC, MECH, SENG & Computer Science ³	Law ⁴
Tuition	\$4,766.10	\$6,500.60	\$4,766.10	\$5,223.21	\$8,341.12
Athletics/Recreation Fees⁵	\$146.00	\$146.00	\$146.00	\$146.00	\$146.00
UVic Students' Society Fees⁵	\$138.36	\$138.36	\$138.36	\$138.36	\$138.36
Other Students' Society Fees⁵		\$50.00	\$15.00	\$60.00	\$340.00 ⁸
UVic Students' Society Extended Health Plan⁶	\$160.20	\$160.20	\$160.20	\$160.20	\$160.20
UVic Students' Society Dental Plan⁷	\$125.40	\$125.40	\$125.40	\$125.40	\$125.40
U-Pass Bus Pass	\$138.50	\$138.50	\$138.50	\$138.50	\$138.50
Total	\$5,474.56	\$7,259.06	\$5,489.56	\$5,991.67	\$9,389.58
First payment⁷	\$2,880.08	\$3,772.33	\$2,887.58	\$3,138.64	\$4,837.59
Second payment	\$2,594.48	\$3,486.73	\$2,601.98	\$2,853.04	\$4,551.99

1. Ten courses x 1.5 fee units.

2. Ten Business courses x 1.5 fee units.

3. Nine courses x 1.5 fee units plus one course

4. For Law students, full time is defined as 6 or more units per term.

5. Half of these fees are charged in each term.

6. Full year Health Plan fees are charged in the first term.

7. The \$200.00 acceptance deposit paid by new students is applied towards the amount due September 30.

8. Law Students' Society receives \$20/yr, Career Development Office receives \$320/yr. See Law Financial Aid webpage.

Making Payments

Students are asked to make their payments by Internet or telephone banking, or debit card. Due to commission rates, tuition fee payments cannot be made by credit card.

Students paying through Internet or telephone banking should allow at least 48 hours for funds to be transferred to Accounting Services.

Students may also send their payment by mail, with the cheque or money order (do not mail cash) made payable to the University of Victoria

to: University of Victoria
Accounting Services
Box 3040 STN CSC
Victoria BC V8W 3N7

Students may pay in person at Accounting Services, 2nd Floor, University Centre, but are reminded that queues will be long just before due dates.

Students should ensure that their student number and the term (e.g., 2010-01) are written on the face of their cheque.

Overdue accounts

A service charge of 1.5%, annualized at 19.56% is added to accounts not paid by their due date, at each month end.

Students with overdue tuition or other accounts may be denied services, including: registration; the addition of courses through uSource; the use of libraries and athletic and recreation facilities; access to classes and examinations; and receipt of loans, awards, grades, transcripts, degrees and documents certifying enrolment or registered status.

Students who have their registration cancelled for failing to pay their fees by a due date, or who withdraw or otherwise leave the University, remain liable for unpaid accounts. The University may take legal action or use collection agencies to recover unpaid accounts. Legal and collection costs incurred by the University in this process are added to a student's account.

Tuition receipts

Tuition receipts (T2202As) are issued in February for the preceding calendar year. These forms are available on-line through <uSource.uvic.ca>.

Fee Reductions

To obtain fee reductions, students must drop courses through uSource or by submitting written notice of changes in registration to Undergraduate Records when they take place.

Where fee reductions are granted, they will be based on either the date recorded in the uSource registration log, or the date on which written notice is received.

Students should not rely upon instructors to drop them from courses. Students are strongly urged to recheck their course registration status at the registration site <registrar.uvic.ca> before the full fee reduction deadlines, particularly if they have made course changes or been waitlisted.

Please note that deadlines for obtaining fee reductions are different from course drop deadlines for academic purposes.

Undergraduate Tuition Fee Reductions

The following fee reductions apply to undergraduate students and auditors enrolled in undergraduate courses. Please note that acceptance deposits are not refundable.

For first-term courses and the first half of full-year courses:

On or before:	
September 21	100%
October 12	50%

For second-term courses and second half of full-year courses

On or before:	
January 18	100%
February 8	50%

Non-Standard Course Dates

Check Online Timetable:

<www.uvic.ca/timetable>

NOTE: The table below is used in calculating the refund dates for standard and non-standard date courses as well as for Academic Drop Deadlines. The duration of a course is end date - start date + 1 (i.e. the first day counts as 1).

100% Reduction Deadline and Add Deadline	50% Reduction Deadline	Academic Drop Deadline
15% of duration of course	38% of duration of course	66% of duration of course

Applies to standard and non-standard dates

After the Add Deadline (same date as the 100% Reduction Deadline) a request to add a course must be submitted on an Undergraduate Course Change Form to Undergraduate Records; **approval is not automatic.**

After the Academic Drop Deadline, to drop a course a Request for Academic Concession (RAC) form must be submitted to Undergraduate Records; **approval is not automatic.**

A failing grade will be assigned to any course that is not formally dropped by the date specified and a standing of Required to Withdraw will be assigned if the sessional GPA falls below the minimum.

Undergraduate tuition fee reduction deadlines - fee reductions are NOT the same as academic drop deadlines.

Other Fee Reductions

Please note that Ancillary Fees are not reversed when courses are dropped in the 50% drop period.

Fee Reduction Appeals

Students who believe a course drop has not been properly entered in their student record should contact Undergraduate Records. Students who believe a fee reduction has not been correctly entered in their fee account should contact Accounting Services. In extenuating circumstances involving Academic Concessions, such as illness, family affliction or accident, appeals should be made at the appropriate Advising Centre. If, following such action, a fee reduction issue remains unresolved, the student may submit an appeal in writing to the Fee Reduc-

tion Appeals Committee, c/o Manager, Tuition Fee Assessments, Accounting Services, 2nd Floor, University Centre.

FEES FOR UNDERGRADUATE PROGRAMS

The "Sample Fees" table shows examples of the fees for students (Canadian citizens or permanent residents) who are taking five on-campus courses in each term of the Winter Session.

Acceptance Deposit

Undergraduate students admitted for the first time to take credit courses must pay an acceptance deposit of \$200.00 to Accounting Services 24 hours before gaining access to uSource. This deposit is payable regardless of any loan, scholarship or sponsorship arrangements. It is applied to the student's fee account, but is forfeited if the student withdraws. If the deposit payment is returned NSF, the student's registration will be cancelled.

Faculty of Education: Teacher Education Programs (Elementary and Secondary)

An acceptance fee of \$150.00 is required from all students upon their acceptance of a place in the teacher education programs. This fee will be credited towards student fees at the beginning of the program. A student who withdraws from the program more than 30 days before the start date of the program will be refunded \$100.00 of the acceptance deposit. A student who withdraws from the program within 30 days of the start date of the program will receive no refund.

Undergraduate Tuition (except Faculties of Law, Business and Engineering)

Per credit unit

- Domestic	\$317.74
- International	\$1028.12

Course challenge: per credit unit¹

- Domestic	\$158.88
- International	\$514.06

Co-op program, per work term

- Domestic	\$612.00
- International	\$1020.00

Co-op work term challenge

- Domestic	\$306.00
- International	\$510.00

Cultural Resource Management Program

HA 488 and HA 489 (1.5 credit unit) ..\$582.00

1. May be waived for students who have completed a non-credit diploma program and paid equivalent credit program fees; students should apply to Continuing Studies.

Law Tuition

Full time, per term

- Domestic	\$4170.56
- International	\$11091.26

Part time, per credit unit

- Domestic	\$556.08
- International	\$1478.84

Co-op program, per work term

- Domestic	\$612.00
- International	\$1020.00

Other fees:

- Application fee	\$75.00
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First-year acceptance deposits:

- first, upon acceptance (<i>\$100.00 is refundable if the student withdraws by April 15</i>)\$200.00
- second, by June 10 (<i>\$100.00 is refundable if the student withdraws by August 15</i>)	.....\$200.00
Law Students' Society, per term	.....\$10.00
Career Development Office	.....\$160.00
(fewer than 6 units)	.....\$80.00

Business Tuition**0.5 credit units**

- Domestic	.....\$216.70
- International	.....\$666.60

1.5 credit units

- Domestic	.....\$650.06
- International	.....\$1999.80

2.0 credit units

- Domestic	.....\$866.76
- International	.....\$2666.40

3.0 credit units

- Domestic	.....\$1300.12
- International	.....\$3999.60

International Students

The Bachelor of Commerce International Academic Program for all international students has an additional program fee of \$1200 per year, which is assessed in three installments of \$400 per term.

Engineering Tuition

CENG, ELEC, MECH, CSC, SENG courses
(1.5 credit units)

- Domestic	.....\$527.40
- International	.....\$1664.02

ELEC 395, ENGR 446 (1.0 credit unit)

- Domestic	.....\$349.52
- International	.....\$1130.94

CSC 390 (6.0-7.5 credit units)

- Domestic	.....\$2055.50-2569.38
- International	.....\$6317.84-7897.30

All other ENGR courses

- Domestic	.....\$476.61
- International	.....\$1542.18

**UVic Undergraduate Students' Society
Extended Health and Dental Plans**

The UVSS provides a mandatory extended health and dental plan for undergraduate students, voted in by student referendum. The premium for students taking on-campus courses or on a co-op work term is:

3.0 or more credit units in the first term (or on a co-op work term)

Extended Health Plan 12 months	.....\$160.20*
Dental Plan 12 months	.....\$125.40*

3.0 or more credit units in the second term (or on a co-op work term) AND not assessed this fee in the first term

Extended Health Plan 8 months	.....\$106.80*
Dental Plan 8 months	.....\$83.60*

*Premiums and plan details subject to change from year to year.

The coverage offered by the UVSS Student Extended Health Plan is supplementary to that provided by provincial medical services. It does not replace coverage provided by provincial medical plans.

Students are initially assessed the premium for the UVSS Extended Health and Dental Plan. Students who carry acceptable alternative coverage may opt out of the plans by 4 pm September 30, 2010 and receive a credit. For students registered in 3 or more units whose studies commence January 2011, the opt out deadline is 4 pm January 31, 2011. Co-op students are eligible for coverage and will be assessed for the UVSS Extended Health and Dental Plan.

Students from Quebec can either opt out of their insurance plan and apply to BC MSP, or, they can pay for services up-front and seek reimbursement from their Quebec Plan.

To opt out of the UVSS Student Extended Health and Dental Plan, students must present their current extended health and dental plan membership card, showing the name of the insurance company and the policy number, to the Student Union Building (SUB) Info Booth by the deadline OR opt out on-line at <www.uvss.uvic.ca/healthdental/>. If you enter incomplete or inaccurate information, you will not be opted out of the UVSS Extended Health and Dental Plan. Should you choose to opt out on-line, it is your responsibility to check your Tuition Fee Statement to confirm reversal of fees up to and including the deadline. Students must opt out each year.

More information about the plan is available on-line or at the SUB Info Booth (250-721-8355).

**UVic Undergraduate Students' Society
Universal Bus Pass Plan (U-Pass)**

The UVSS provides a mandatory bus pass plan for all undergraduate and graduate students. The U-Pass was approved by student referendum in 1999.

The U-Pass fee is \$69.25 per term. The U-Pass provides students unlimited access to all Greater Victoria BC Transit buses and HandyDart services.

Only the following students may opt-out from the U-Pass plan:

- students with a BC Bus Pass
- students with mobility disabilities which prevent them from using BC Transit or HandyDart services
- students taking both Camosun College and UVic courses

The deadline for opting-out is Sept 30 (for first term) and Jan 31 (for second term).

New students can obtain their UVic ID cards at the University Centre. Returning students can validate their student card and receive a new U-Pass sticker at the University Centre, Student Union Building or Graduate Student Society.

More information about the plan is available at the SUB Info Booth (250-721-8355).

Other Undergraduate Fees**UVic Students' Society fees:****Students taking on-campus courses, per term**

- membership fees ¹	.....\$69.18
- Athletics and Recreation fees ¹	.....\$73.00
- Education Students' Association ²	.....\$7.50
- Engineering Students' Society ³	.....\$30.00
- Commerce Students' Society	.....\$25.00
- U-Pass, per term	.....\$69.25

Students applying to graduate:

- Graduation fee (includes \$10.00 for UVSS graduating class fee)	.....\$50.00
- Late Graduation fee (includes \$10.00 for UVSS graduating class fee)	.....\$60.00
<i>All graduation application fees are non-refundable and non-transferable</i>	

1. Students registered in less than 4.5 units pay half this amount.

2. Students may request a refund of the EdSA fee by applying to the EdSA Executive during the first two weeks of classes of each term.

3. Students may request a refund of the ESS fee in November and March by applying directly to the appropriate professional development union.

FEES FOR INTERNATIONAL STUDENTS

International students (those not holding Canadian citizenship or permanent residency at the beginning of the session) are required to pay international tuition fees for undergraduate and graduate programs and courses. Fees will be adjusted to regular rates for students who show official documentation of citizenship or permanent residence status before the deadline for dropping courses for each session (October 31 and February 28).

Undergraduate international students are required to pay an international student application fee of \$100.00.

FEES FOR AUDITORS

Audit fees per credit unit:

Under age 65

- Domestic	.....\$158.88
- International	.....\$514.06

Age 65 or over

- Undergraduate	.....\$53.82
- Graduate	.....\$90.62

MISCELLANEOUS FEES

Note: All fees listed below are non-refundable unless stated otherwise.

Undergraduate application fee

- if all transcripts come from institutions in Canada	.....\$60.00
- if any transcripts come from institutions outside Canada	.....\$100.00

Document evaluation (applies to transfer credit assessment for returning/continuing students only)\$40.00

Late application/registration\$35.00

Application to reregister\$16.00

Returned cheque\$15.00

Supplemental examination, per paper

- on campus	.....\$50.00
- off campus	.....\$60.00

Transcripts, per copy\$10.00*

Transcripts (priority), per copy\$17.00*

Education Deduction and Tuition

Certificate replacements and fee

payment confirmations\$4.28*

Calendar mailing charges - overseas\$14.00

- USA\$10.00

- inside Canada\$8.00

Language 11 Equivalency Test\$162.00

Graduation certificate - replacement\$75.00

- certified copy	\$15.00
Photocopy - per page	\$3.00*
Final grade review fee (refundable if grade review successful)	\$25.00
Application for second degree or for change of degree status	\$8.00
Degree completion letter	\$10.00*
Degree completion letter (priority)	\$17.00*
Miscellaneous letters	\$10.00
Letters of Permission to undertake studies elsewhere, per application, per institution	\$10.00
* Includes Goods & Services Tax (GST)	

Undergraduate Financial Aid

All UVic undergraduate scholarships, bursaries, medals and prizes adjudicated by the University of Victoria are administered by the Senate Committee on Awards.

Financial aid in the form of bursaries, grants, loans and work-study positions is available to students based on financial need.

Detailed information on financial aid awards and application procedures is available through the Student Awards and Financial Aid website at <registrar.uvic.ca/safa>.

GENERAL REGULATIONS

- Except where a donor directs otherwise, the proceeds of awards issued by or through the University are applied towards a student's total fees for the academic year. If the financial aid a student receives exceeds this amount, the balance will be paid to the student. Proceeds from government loans and work study positions are paid directly to the student.
- An award of financial aid may be withheld or cancelled if there is a lack of suitable candidates or a donor withdraws the award, or if the student receiving the award withdraws from UVic or fails to meet the terms and conditions of the award.
- If for any reason the original recipient becomes ineligible for an award, the funds may be reassigned to other students.
- Unless otherwise noted, all financial aid available through the University is limited to Canadian citizens and permanent residents.

Undergraduate Bursaries

Bursaries are non-repayable awards based on financial need and reasonable academic standing, as determined by the Senate Committee on Awards. Bursaries are available both for students entering UVic and for undergraduates already attending the University. Bursary applications are available to print from the Student Awards and Financial Aid website: <registrar.uvic.ca/safa>.

- Entrance bursaries awarded by UVic require application by October 15, unless otherwise indicated in the award description. Entrance bursaries for students planning to study at UVic are also available through the University of British Columbia and other external organizations.
- Bursaries for undergraduates attending UVic require application by October 15. A number of bursaries are awarded on the recommendation

of Student Awards and Financial Aid and/or the student's academic unit. Students should contact their faculty, school or department for information on nomination procedures.

- To be eligible for a bursary, students must maintain registration in a minimum of 60% of a full course load (4.5 units or more) for credit in each term for which they receive a bursary. Students with a permanent disability must maintain registration in a minimum of 40% of a full course load (3.0 units or more) for credit in each term to qualify for bursary assistance.

Grants

Grants are non-repayable awards based on financial need as determined by the office or agency contributing the award. Grants are administered by Student Awards and Financial Aid.

Grants are available for part-time students, for female doctoral students, for students with permanent disabilities and for students with dependents.

Loans

Loans are repayable and are based on financial need. Both the federal and provincial governments offer student loans. Only one application is needed to be considered for both types of loans. BC students apply to StudentAid BC both for BC student loans and for Canada Student Loans. An online application for StudentAid BC is available at <www.studentaidbc.ca>.

Students must submit their loan applications by August 1 in order to have their loans processed in time to meet fee payment deadlines. To qualify for Canada Student Loans and most provincial student loans, students must be enrolled in at least 4.5 units for credit (3 units for students with a permanent disability), excluding duplicate and/or mutually exclusive course work, in each term of the Winter Session.

In addition to government student loans for full-time study, other loan programs are available for part-time students, for students in emergency situations, for members of the Canadian Forces and their dependents and for students who do not qualify for Canada Student Loans.

Work Study

Work-study positions are subsidized jobs on campus, which are allocated on the basis of financial need. Work-study positions are administered by Student Awards and Financial Aid.

To qualify for work-study, students apply to Student Awards and Financial Aid for a work-study authorization.

The number of work-study positions is limited; eligible students are not guaranteed a placement. Final decisions on hiring are made by the project supervisors.

Undergraduate Scholarships, Medals and Prizes

Scholarships, medals and prizes are awarded to students on the basis of academic merit or excellence. Awards for undergraduate study are administered by Student Awards and Financial Aid. Detailed information on undergraduate awards

and application procedures is available through the Student Awards and Financial Aid website at <www.uvic.ca/safa>.

GENERAL REGULATIONS: UNDERGRADUATE AWARDS

Recipients of all undergraduate awards adjudicated by the University of Victoria are approved by the Senate Committee on Awards.

- To be eligible for any scholarship offered by UVic, except the President's Scholarships, an undergraduate student must be a full-time student registered in a total of 12 or more units of study, of which 10.5 units are marked using the standard nine point scale, in two academic terms in the 12 month period (May to April) immediately preceding the adjudication of awards.
- Students with a disability, including those who are on a reduced course load, are eligible to be considered for scholarships. Students must identify themselves to the Student Awards and Financial Aid office and must have documentation of the disability filed with the Resource Centre for Students with a Disability.
- Except where the terms and conditions of an undergraduate award specifically state otherwise, award winners must normally return to UVic in the next Winter Session and enrol as a full-time student to receive the award.
- Deferral of an award for up to one year (except in the Faculty of Law, where up to two years may be permitted) may be granted on written request to Student Awards and Financial Aid.
- Students who enrol as a full-time student and subsequently withdraw from courses, so that they fall below 12 units may have the value of their award reduced accordingly if the value of the award exceeds their assessed fees.
- The University reserves the right to limit the amount of money awarded to any student, and, if necessary, to reassign awards to other students by reversion. The Faculty of Law students are eligible to receive scholarships, awards and prizes to a maximum of \$10,000.
- Except where the donor directs otherwise, the proceeds of awards issued by or through the University will be applied towards the student's assessed fees for the academic year. If the award a student receives exceeds this amount, the balance will be paid to the student if the student maintains full time registration.
- Other awards, such as medals or book prizes, if not presented directly by the donors or their agents, will be forwarded to the winners upon receipt.
- An award may be withheld or cancelled if there is a lack of suitable candidates or a donor withdraws the award, or if the student receiving the award withdraws from UVic or fails to meet the terms and conditions of the award.

Entrance Scholarships

A large number of entrance scholarships, with yearly values of between \$250 and \$6500, are offered to students entering UVic from secondary schools and community colleges. Detailed information about entrance awards and application procedures are available at the Student Awards and Financial Aid website: <www.uvic.ca/safa>.



Undergraduate Awards

Undergraduate students who attend UVic in the regular Winter Session are eligible for a number of awards made available through contributions from corporate and individual donors as well as from the University operating budget. The majority of these awards do not require application; they are assigned on the basis of merit or on nomination by departments. Others require application. Except where the terms and conditions of an undergraduate award specifically state otherwise, award winners must normally return to UVic in the next Winter Session and enrol as a full-time student.

Undergraduate Co-operative Education

Co-operative Education is a process of education which formally integrates students' academic and career studies on campus with relevant and productive work experience in industry, business, and government.

The accumulation of up to two years of varied and program related work experience enhances students' intellectual, professional, and personal development, by providing opportunities for applying academic theories and knowledge, evaluating and adjusting career directions, and developing confidence and skills in working with people.

CO-OPERATIVE EDUCATION PROGRAMS OFFERED

Undergraduate Co-operative Education programs are currently offered in the following faculties and departments:

- Faculty of Business
- Faculty of Education
 - School of Exercise Science, Physical and Health Education: Recreation and Health Education, Kinesiology
- Faculty of Engineering
 - Computer Engineering
 - Computer Science
 - Electrical Engineering
 - Mechanical Engineering
 - Software Engineering
- Faculty of Fine Arts
 - Humanities, Fine Arts and Professional Writing Co-operative Education Program (available in all programs)
- Faculty of Human and Social Development
 - Health Information Science
 - Minor in Public Administration
- Faculty of Humanities
 - Humanities, Fine Arts and Professional Writing Co-operative Education Program (available in all programs)
- Faculty of Law
- Faculty of Science
 - Biochemistry/Microbiology
 - Biology
 - Chemistry
 - Earth and Ocean Sciences
 - Mathematics and Statistics

- Physics and Astronomy
- Faculty of Social Sciences
 - Anthropology
 - Economics
 - Environmental Studies
 - Geography
 - Political Science
 - Psychology
 - Sociology

ADMISSION

Admission, retention, and graduation requirements for Co-operative Education Programs are determined by the individual departments. Consult the calendar entries in these areas for further information.

Students must apply to the appropriate department for admission to the Co-op Program. All students in the Co-operative Education Program are required to read, sign, and abide by the Terms and Conditions of Participation as articulated by their Co-op Program. In general, co-op students are required to achieve an above-average academic standing, and to demonstrate the motivation and potential to pursue a professional career.

WORK TERMS

As an integral component of Co-operative Education Programs, students are employed for a number of work terms, which are arranged and evaluated by the individual departments. Co-op program coordinators must review all potential Co-op positions and evaluate their suitability for work term credit. Coordinators may determine some positions as unsuitable.

Work terms, normally of four months' duration, begin in January, May, and September. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35. Work terms generally alternate with full-time academic terms on campus, and provide productive and paid, full-time work experience that is related to the student's program of studies and individual interests. In special circumstances, approval may be granted for a work term to be undertaken on a more flexible schedule, as long as it does not exceed eight months and the total time worked is equivalent to a four-month term of full-time work. Normally, students are expected to end their program on an academic term.

In limited situations, students may be admitted on a provisional basis into a co-operative education program pending formal admission into the related academic program; such students may, with special authorization by the Executive Director, Co-operative Education, on the recommendation of the academic director responsible for admission to the academic program, undertake a first Co-op work term.

In such cases, the Co-op work term will be recorded on the student's transcript as COOP 001 and the program as COOP, and, if successfully completed, will be accepted as one of the required work terms for the student's Co-op program.

Students registered for work terms are considered to be enrolled in a full-time course of studies.

4.5 units of academic credit are awarded for each approved work term successfully completed according to the requirements of the various faculties and their co-op programs. These credits may only be applied to completion of the work term requirement of an approved co-op program. These work term credits may not be applied towards the graduation requirements for any degree or program except in fulfillment of the co-op work term requirement as noted above.

Work Term Preparation

Co-op students are expected to complete successfully a program of seminars and workshops (typically one hour per week), prior to undertaking their first work term. This program is designed to prepare students for the work term. The following topics will be covered: Co-op program objectives/expectations, job seeking skills, transferring skills to the workplace, learning objectives, job performance progress and evaluation. Students should consult with their co-ordinator for program schedule information. This program is a co-requisite for students participating in the placement process prior to their first work term. A web-based preparation program is available to co-op students at www.coop.uvic.ca.

Work Term Credit By Challenge

Certain Co-op programs allow students to challenge a work term on the basis of relevant work experience undertaken prior to their first work term. Normally a work term challenge should be made prior to commencing the first work term. Students should discuss any potential challenge with the Co-op Coordinator for their program. Not all programs permit Work Term Challenge; where it is permitted, it is subject to the following regulations:

1. Students must be registered in the session in which the work term challenge is to be recorded.
2. Application forms for Work Term Challenge may be obtained from and submitted to the Co-op Program Coordinator for approval to challenge, after which the Challenge fee is assessed.
3. Normally, work term credit by Challenge is limited to one work term; exceptions require recommendation by the Program coordinator and the approval of the Executive Director of the Co-operative Education Program.
4. Assessment of Work Term Challenge will be carried out by the appropriate Co-op Program, based on the following:
 - a) an aggregate of relevant work experience that is similar in length and scope to that of a registered work term and not previously counted toward work term credit. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35
 - b) where possible, written confirmation of employment and evaluation of performance from the employer

- c) an outline by the student of the prior work experience, providing evidence that he/she has acquired professional and personal knowledge and skills appropriate to the discipline or interdisciplinary field
 - d) a work report appropriate to the discipline or interdisciplinary field
5. Once the assessment has been administered, the result will be entered on the student's academic record.

GENERAL REGULATIONS: UNDERGRADUATE CO-OP

1. Students must register for each work term by completing the Work Term Registration form, which is provided by the Co-op Coordinator and which is normally completed when the student accepts an offer of employment for the work term and must be completed prior to start date. Students must be registered for the entire duration of the work term employment and, once registered, are not permitted to withdraw from the work placement without penalty of failure, unless specific written permission has been granted by the department/Director. Where permission is granted, an entry of WNF (Withdrawn No Fault) will be entered on the transcript. Students must contact the appropriate Coordinator for recommendation on procedure.

2. Undergraduate students must successfully complete the University English Requirement prior to undertaking their first work term; BEng or BSeng students in the Faculty of Engineering should refer to "Work Term Prerequisites" page 101. This regulation does not apply to students enrolled in the Faculty of Law.

3. Each work term is evaluated on the basis of the student's performance of assigned work term tasks and a written work term report. The work term period and evaluation (grading: COM, F/X, or N/X) are recorded on the student's official academic record. A failing grade (F/X or N/X) will be assigned if a student fails to complete satisfactorily the requirements for the work term; the requirements include satisfactory performance on the work term and the submission of a satisfactory work term report by the deadline specified by the individual department. Students who are assigned a grade of F/X or N/X for a work term that carries 4.5 units will have a 0 grade point assigned for that work term; however, the grade is excluded from the calculations of all grade point averages (see "Minimum Sessional Grade Point Average and Academic Standing", page 38).

4. A failed work term will normally result in the student being required to withdraw from the Co-op Program, subject to review by the department.

5. A Co-op Program fee, which is nonrefundable, is due in the first month of each work term and is subject to the Fees regulations on page 42.

6. In the undergraduate programs, students are required to complete satisfactorily the number of work terms specified by the academic program; normally at least four work terms are required, and in the Faculty of Business, the Faculty of Law, the Faculty of Social Sciences, the School of Health Information Science and the BSc Major in Kinesiology there will be no less than three. After admission to the program, students are required to register for all Co-op work terms.

7. Work terms are normally of four months duration and alternate with academic terms. For continuous co-op work experience of eight months or longer with the same employer, credit for more than one work term will only be granted if the requirements for an equivalent number of individual work terms are met. For example, the student must register for a second work term, pay additional fee assessments, complete a second work term report and receive a second performance evaluation. Normally the second work term should also incorporate an increase in the student's responsibilities at the work place. For programs requiring a minimum of four work terms, normally at least three of the required work experiences must be separated from each other by at least one academic term.

8. Work term reports are normally due during the first month following each work term, at a time established by the department, for evaluation as part of the assessment of the work term.

9. In the event of a work stoppage (e.g., strike, lay-off) within the first nine weeks of a work term, an attempt will be made to arrange an alternative work placement, to enable the student to complete the work term. If the work stoppage occurs after nine weeks, the work term will be accepted for credit providing all other work term requirements are met.

10. The transferability of work terms from other institutions which offer Co-op programs is determined by individual Co-op departments on the merits of each completed work term. The number of work terms accepted for transfer or combined transfer and challenge must be not more than 50% of the total number required for completion of the Co-op Program. Students enrolled in combined major degrees where a minimum of three work terms are required must complete at most two work terms in one department.

11. Students who are taking double or combined major degrees, or a major and the Professional Writing Minor (where each area offers a Co-op program) may, if eligible, enrol in and undertake work terms in both Co-op programs or may, if eligible, enrol in and undertake work terms in only one Co-op program. Students who complete at least two work terms in each area will have the combined nature of their program noted as part of the Co-op designation on their official records. Students enrolled in combined major degrees where a minimum of three work terms are required must complete at most two work terms in one department.

12. To graduate from a Co-operative Education Program, students must complete satisfactorily the minimum number of work terms and maintain the academic standing required by individual departments.

13. Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university level credit courses without the permission of the appropriate department. Co-op students on a work term who wish to enrol in a course should contact their Co-op Coordinator.

14. Students enrolled in Co-op programs may be allowed to complete a 3 unit course commencing in September over a 16 or 20 month period, provided the department concerned consents. Students must obtain written permission from the department involved when registering in the course. In such cases, a temporary grade of CIC

(Co-op Interrupted Course) will be entered into the student's December transcript. The CIC grade is used only when a 3 unit course is interrupted by a work term. Unless there is formal withdrawal from the course, the temporary CIC grade will be changed to N (a failing grade) if the course is not completed within 20 months.

CRIMINAL RECORDS CHECK

UVic students employed in co-operative work terms, placed in practica or enrolled as student members in their professional organizations may be required to undergo criminal records reviews by legislation (e.g., BC Criminal Records Review Act), or because of the risk management policies of the organization with which the student will be associated. Students are responsible for providing authorization for the review to the employer, practice agency or professional organization upon request and cooperating in the conduct of the review as needed. Without this authorization or cooperation, an organization may revoke its offer of employment or placement. Usually, the student must pay for the review, although some employers will absorb the costs. Some units on campus, where students are frequently placed in situations requiring a review, may have standard information or practices regarding the procedure. However, the University has no responsibility to involve itself in this process. Students should check the administrative office in their own unit for any discipline-specific information.

STUDENT APPEAL PROCEDURES

1. Students who are not satisfied with the decision of the Co-op coordinator should attempt to resolve their concerns at the Co-op program level.

2. If a student is not satisfied with a decision at the program level, the student may appeal the decision in writing to the Dean of the relevant faculty and the Executive Director of Co-operative Education, with a copy to the Co-op coordinator who made the decision or ruling being appealed. The Co-op Coordinator may file a written response to the appeal to the Dean and the Executive Director, with a copy to the appellant. The Dean and the Executive Director will consider the appeal. The Dean and the Executive Director may request additional written submissions from the student and the coordinator and may invite the student and the coordinator to make oral submissions. The Dean and the Executive Director shall communicate their decision in writing to the student and the coordinator in a reasonable time.

3. If the student is not satisfied with this decision, the student may appeal to the Senate Committee on Appeals. This appeal process is governed by the Regulations on Appeals, page 40. Decisions of the Senate Committee on Appeals are final and may not be appealed to the Senate. In cases that do not fall under the jurisdiction of the Senate Committee on Appeals, the decision of the Dean and the Executive Director of Co-operative Education is final.

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Faculty of Business



Vision Statement

***We will be recognized locally and globally
for excellence in research and business education,
and for leadership in our chosen areas of specialization.***

***We will deliver to our students an outstanding education that is
international, integrative, innovative, and experiential.***

***We will be open, fair, respectful, involved, and
passionate in all that we do.***

Business Student Services Office: 250-472-4728

Members of the Faculty of Business

Ali Dastmalchian, BSc (Iran), MSc, PhD (U of Wales), Professor, Dean

Dale Beckman, BSc (Alberta), MBA (Western Ontario), PhD (Michigan State), Professor Emeritus

David A. Boag, BA (Laur), MBA, PhD (U of Toronto), Professor

Ralph W. Huenemann, BA (Laur), MBA, PhD (Harvard), Professor Emeritus

Saul Klein, BA (Hebrew U of Jerusalem), MBA, PhD (U of Toronto), Professor, Lansdowne Chair, Champion International Business Specialization, Director Executive Programs

Daniel Krause, BA (Fort Lewis), MBA (Arizona State), PhD (Arizona State), Professor

Ignace Ng, BA, MA, PhD (SFU), Professor, Director MGB Program

Craig Pinder, BA (UBC), MA (Minnesota), PhD (Cornell), Professor

J. Brock Smith, BCom (UBC), MBA, PhD (W Ont), Professor and Francis G. Winspear Scholar, Champion Entrepreneurship Specialization

Stephen S. Tax, BCom (Man), MBA, PhD (Arizona State), Professor and Francis G. Winspear Scholar, Champion Services Management Specialization

Kenneth Wm. Thornicroft, LLB (UBC), PhD (Case Western Reserve), Professor

Roger N. Wolff, BSc, MBA (U of A), DBA (Indiana), Professor Emeritus

Jen Baggs, BA (U of Alberta), MA, PhD (UBC), Associate Professor

Mark Colgate, BSc, PhD (U of Ulster), Associate Professor

A.R. Elangovan, BCom (Madras), MBA (St Mary's), PhD (U of Toronto), Associate Professor, Associate Dean, Director International Programs
Carmen Galang, BSc, MA (U of Philippines), PhD (U of Illinois), Associate Professor

Anthony Goerzen, HBBA (Winfried Laurier), PhD (W Ont), Associate Professor and Francis G. Winspear Scholar, Champion Research

Rebecca Grant, BS (Union College), MBA (McGill), PhD (W Ont), Associate Professor

David McCutcheon, BEng (RMC of Can), MBA, PhD (W Ont), Associate Professor, Director Undergraduate Program

Sang H. Nam, BBA (Seoul), MBA (Bowling Green St), PhD (Oregon), Associate Professor

Ana Maria Peredo, BS (Inca Garcilazo de la Vega University of Peru), MA, PhD (Calgary), Associate Professor

Monika Winn, MA (Tuebingen), MBA, PhD (Calif, Irvine), Associate Professor

Hao Zhang, BEcon (People's U of China), MBA, PhD (Concordia), Associate Professor

Charlene Zietsma, MBA (Simon Fraser University), PhD (UBC), Associate Professor

Josh Ault, BS (Southern Utah U), MBA (Baylor University), MS Finance (U of Utah), PhD (U of South Carolina), Assistant Professor

Dale Ganley, BA (Cornell University), MSc (Boston U), MA (U of Arizona), PhD (U of California), Assistant Professor

Aegean Leung, BA (Chinese University of Hong Kong), MA In International Affairs (U of Tsukuba, Japan), MSc (National University of Singapore), PhD (NUS Business School), Assistant Professor

Basma Majerbi, BCom (HEC), DESS (ISG), MSc (HEC), PhD (McGill), Assistant Professor

Sorin Rizeanu, BS, MSc (Bucharest University), IMBA, PhD (U of South Carolina), Assistant Professor

Linda Hui Shi, BFinance (Zhongshan U), PhD (Michigan State U), Assistant Professor

Marilyn Uy, B.S. (Ateneo de Manila University), PhD (Colorado), Assistant Professor

Liana Victorino, B.S. (University of Colorado), PhD (University of Utah), Assistant Professor

Vivien Corwin, BA (U of Toronto), PhD (UBC), Senior Instructor

Patricia Elelman, BMgt (U of Lethbridge), MBA (York U), Senior Instructor

Christopher Graham, BA (Queens), MBA (W Ont), CGA, Senior Instructor, Academic Director MBA Programs

Margaret Klatt, MBA (Wilfrid Laurier University), Certified Management Accountant (CMA BC), Senior Instructor

Mia Maki, BA (U of A), CMA (Certified Management Accountant, BC), MBA (UVic), Senior Instructor

Heather Ranson, BA (UBC), MBA (U of Guelph), Certified Meeting Professional (Camosun College), Senior Instructor

Visiting, Adjunct and Limited Term Appointments

Bill Buckwold, CA (Institute of Chartered Accountants), MBA (U of Western Ont) Adjunct Professor (2007 - 2010)

Angela Downey, B. Mgt (University of Lethbridge), M.Sc. (University of Saskatchewan), PhD (University of Western Ontario), Associate Professor, Limited Term

Robin Dyke, BA (UBC), MBA (SFU), Adjunct Professor (2003-2012)

Mansour Javidan, BSc (Sharif U), MBA, PhD (U of Minn), Adjunct Professor (2005-2011)

John Kyle, BA (UBC), MBA (W. Ont), PhD (U of South Hampton), Adjunct Professor (2006-2012)

James Hopkins, BA (U of T), LLB (U of T), LL.M/ITP (Harvard Law School), Associate Professor, Limited Term, National Chair of Aboriginal Economic Development

Brent Mainprize, B. Ed (U of Saskatchewan), MBA (University of Victoria), PhD (Swinburne), Assistant Professor, Limited Term

Richard Mimick, BSBA (Creighton U), MBA (U of Nebraska), Adjunct Professor (2003-2012)

Lynne Siemens, BA (U of Waterloo), MPM (U of A), MBA (U of Toronto), PhD (U of Hertfordshire), Assistant Professor, Limited Term

Thea Vakil, BA (UBC), Mast M.Sc. (UBC), Adjunct Professor (2005 - 2011)

Richard Wolfe, BA (Sir George Williams U), MBA (Pennsylvania State U), MA Physical Education (U of Michigan), PhD (U of Michigan), Professor, Limited Term

Centre and Program Managers

A.R. Elangovan, BCom (Madras), MBA (St Mary's), PhD (U of Toronto), Associate Professor, Associate Dean, Director International Programs
Chris Graham, BA (Queens), MBA (W Ont), CGA, Senior Instructor, Academic Director MBA Programs

Saul Klein, BA (Hebrew U of Jerusalem), MBA, PhD (U of Toronto), Professor, Lansdowne Chair, Champion International Business Specialization, Director Executive Programs

Leslie Liggett, BA, MA (UVic), Non-profit Sector Management Certification (Vancouver Community College), Manager Business Co-op & Career Program

David McCutcheon, BEng (RMC of Can), MBA, PhD (W Ont), Associate Professor, Director Undergraduate Program

General Information

PROGRAMS OFFERED

The Faculty of Business offers a full-time program leading to the degree of Bachelor of Commerce (BCom). A Master of Business Administration (MBA) program is also offered (see UVic Graduate Calendar).

The BCom program provides students with a broad education in business, together with exposure to the liberal arts and specialization in one of the following areas: International Business, Entrepreneurship or Service Management. The opportunity to pursue a degree in Management without a specialization in any particular area is also available. The BCom program is a mandatory co-operative education program which requires students to complete three co-operative education work terms. The Faculty of Business Bachelor of Commerce degree program consists of two years (30 academic units) of liberal arts course work, including required and elective courses, followed by two years (30 academic units) of core, specialization and elective courses offered by the Faculty of Business and three co-operative education work terms. Students must apply to be admitted to the BCom program. There are several admission points that students may select to apply to the BCom program.

Limitation of Enrolment

Applicants should be aware that admission to the Bachelor of Commerce Program is highly competitive and subject to limited enrolment. Meeting minimum requirements is not a guarantee of admission.

Joint Programs

Mechanical and Electrical Engineering (Management Option)

This program is offered by the Mechanical and Electrical Engineering department in the Faculty of Engineering. Program details are found on page 89 in the Engineering section of the Calendar.

Major in Computer Science (Business Option)

This program is offered by the Department of Computer Science in co-operation with the Faculty of Business. Program details are found on page 82 in the Computer Science section of the Calendar.

Students enrolled in the Management or Business Option programs must complete all 200-level Commerce courses and any required Commerce courses prior to registering for any elective Commerce courses.

BA or BSc Major and Honours in Economics (Business Option)

This program is offered by the Department of Economics in co-operation with the Faculty of Business. For program details, refer to the Calendar entry for the Department of Economics, page 206.

Business Minor

Students pursuing a non-Business degree may elect to take a Business Minor. The Business Minor program consists of 9 units including COM 220, 240, 250, 270 with a minimum grade of C+ in each course, plus at least 3.0 units of 300- or 400-level COM, ENT or IB courses. Students must declare the Minor with the advising centre of their originating faculty. Required courses at the 200-level or higher in the Business Minor Program cannot form part of the requirements towards other programs or options.

Permission to register in courses and related prerequisites will be considered on a case-by-case basis and is at the discretion of the Faculty of Business.

Students registered in a Major that allows for a Business Minor, and undertaking a Business Minor, and also registered in the UVic Co-operative Education Program in their originating department, may, with permission from their originating Co-op program, elect to complete ONE work term through the Faculty of Business Co-op and Career Centre. Students in this situation must have completed one of the following in order to be eligible for a Business work term:

1. Successful completion of a registered Co-op work term in their originating Co-op program, OR
2. Completion of the UVic co-op curriculum, through either their originating Co-op program or the Business Co-op and Career Centre

Further to the above criteria, eligible Business Minor students applying for co-op positions through the Business Co-op and Career Centre must sign and agree to abide by the "Terms and Conditions" of the Business Co-op program, for their business work term.

ACADEMIC ADVICE

Information about admission to the Faculty of Business is available through UVic Admission Services and the Business Student Services Office. Students with questions about undergraduate programs and courses within the faculty should inquire at the Business Student Services Office, Room 283, Business and Economics Building.

Students can contact the program by email: bcom@uvic.ca, or by phone: 250-472-4728

Students transferring to UVic from other institutions may wish to contact the Faculty of Business for informal assistance and recommendations.

Faculty Admissions

The Faculty of Business Bachelor of Commerce program admits students into the first, second and third year. Each admission point has specific admission criteria that applicants must meet; see entry under Admission Categories and Deadlines. Because of the international nature of the program, a portion of the available positions is intended for international students. The Faculty of Business recognizes the unique needs of international students and offers many services and program enhancements to address those needs.

Entry to the Bachelor of Commerce program is in September only for each year. The program commences with the BCom program core, a full-time, cohort-based set of required courses in the third year. Normally, about 240 students are admitted to the BCom program core every year.

The structure of the program requires that students have completed 30 units of Pre-Commerce course work, including the required courses listed below, to standards as outlined below before they will be registered in the Bachelor of Commerce Program core courses.

Students should be aware that they will be required to complete a total of 60 units of course work to obtain a UVic degree, including 30 units of Pre-Commerce course work. Any outstanding Pre-Commerce course work must be completed as a condition for entering the BCom program core.

Graduates of Hospitality Management diploma programs should refer to the admissions requirements described under "Admission Requirements for Graduates of Hospitality Management programs."

ADMISSION TO UVIC FROM HIGH SCHOOL

Applicants from High School must be admissible to UVic (see page 24). Applicants from High School must follow the admission procedures as outlined in the Admission Categories and Deadlines section.

ADMISSION TO UVIC FROM BC COMMUNITY COLLEGES AND OTHER UNIVERSITIES

Applicants from BC community colleges and universities must first be admitted to UVic. Students must have a minimum of 12 units of transferable credit to be considered for admission to UVic and the BCom program. Transfer credit should address the admission requirements as described under the admission section entitled Year 2 Entry (First Year College or University Students) or the section entitled Year 3 (Direct Entry) Admission.

Transfer credit will be limited to 4.5 units of Commerce credit for the purposes of calculating the cumulative Pre-Commerce grade point average and calculating the applicant's Pre-Commerce course units. Students transferring from BC community colleges or university colleges should consult the BC Transfer Credit Guide at www.bccat.bc.ca for assistance in determining the transferability of courses.

Additional information regarding areas of study and program updates is available through the Faculty of Business website at www.business.uvic.ca.

Students attending any business, commerce, or business administration diploma or degree program will be considered along with all other applicants and must have completed the requirements for admission as outlined below.

CURRENT AND RETURNING UVIC STUDENTS

Current and returning UVic students who apply but are not admitted to the Faculty of Business BCom program will normally, if eligible, be authorized for study in their previous faculty. New applicants to UVic who are not admitted to the program and who wish to be considered for any other faculty should contact Admissions or Records Services.

ADMISSION REQUIREMENTS

Pre-Commerce Courses Including Required Courses

All students entering the BCom program must complete the required courses shown in the table below prior to entry into the BCom program core. All students are encouraged to consult the University Calendar to meet the prerequisites for the required courses.

Co-op Work Term Requirements for Admission

The Faculty of Business requires that students complete three co-op work terms to meet the Bachelor of Commerce program requirements.

Students are normally required to complete one co-op work term (Pre-Commerce co-op) prior to commencing the BCom program core and two more co-op work terms as part of their academic and work term sequencing as prescribed by the area of specialization.

- Students will normally complete the Pre-Commerce co-op work term during the May to August period immediately prior to entering the BCom program core. This option is only open to those students who are admitted to the BCom program through the Year 1 or Year 2 admission category.
- Year 3 (Direct Entry) students will have the ability to challenge one co-op work term if they have sufficient relevant work experience. See details regarding criteria and regulations for co-op challenges under the Business Co-op Program section or consult the Business Co-op and Career Centre.
- Students can transfer in a successfully completed work term through an accredited co-op program and receive credit for one of the BCom Co-op work terms.

Credit for only the first work term will be permitted through transfer or challenge. Students must register in and complete at least two work terms through the Business Co-op and Career Centre as part of their BCom program. Students who do not complete a Pre-Commerce co-op work term will be expected to complete this requirement following the BCom program core, which will normally extend the time needed to complete

their program. Normally, students must complete their programs on an academic term.

ADMISSION CATEGORIES AND DEADLINES

Year 1, Year 2 and Year 3 Admission

The Faculty of Business will offer Year 1 admission to high school students and Year 2 and Year 3 admission to UVic students and college/university transfer students who demonstrate a high level of academic achievement and other qualitative considerations such as leadership, school and community involvement, participation in extra-curricular activities, and work experience and career aspirations.

Admission from high school or first year to the Faculty of Business guarantees access to the BCom program if the student maintains the level of academic and co-op performance prescribed in any conditions set out by the BCom Program Director and BCom Admissions Officer as part of the admissions process. Students admitted into Year 1 or 2 will normally register in their pre-commerce co-op work term during the summer term immediately prior to starting the BCom program core. High school and first year admission students who are not registering in a pre-commerce co-op during that summer term are not permitted to register in any courses that are considered part of the BCom degree program.

Year 1 Admission – from High School (Grade 12)

Application Deadline: February 28

Students applying to Year 1 are required to submit the following documents by February 28:

- University Application for Admission
- Bachelor of Commerce Supplemental Application Form

In addition, applicants must ensure that the following documentation is submitted by March 15:

- Two official copies of interim High School Transcript, if not reported to the BC and Yukon Ministry of Education - minimum 80% GPA
- Letter of Recommendation - principal or vice-principal or designate

Upon receipt of grades from Undergraduate Admissions (as reported in BC and the Yukon by the BC Ministry of Education or as an interim high school transcript elsewhere), conditional offers will be made. Upon receipt of final grades, conditional offers will be confirmed.

Evaluation: Students who wish to be considered for admission must have a minimum GPA of 80% on required high school courses. Meeting the minimum GPA requirement does not guarantee admission to the BCom program. Admission is based on academic performance (60%) and on the applicant's other attributes (40%) derived from the assessment of the other submitted material.

Conditions for entry into the BCom program core courses:

- Students must meet UVic admission requirements for Business. For Undergraduate Admission requirements please see page 24 of the Calendar.
- Students must complete required and Pre-Commerce courses at UVic (Year 1 and Year 2).

Pre-Commerce Courses Including Required Courses

Economics: 1.5 units	ECON 103 (Introductory Microeconomics): 1.5 units Math 12 is a prerequisite to the above mentioned course
English: 3 units	Applicants must have satisfied the Undergraduate English Requirement. Two of ENGL 115, 135, 146 or 147 (or other approved English courses including ENGL 100 level, WRIT 102, or equivalent).
Math: 1.5 units Statistics: 1.5 units	MATH 151 (1.5 units) and STAT 252 (1.5 units) OR ECON 245 (1.5 units) and ECON 246 (1.5 units) OR STAT 255 (1.5 units) and STAT 256 (1.5 units) OR equivalents. Notes about Math Requirement Math 12 is a prerequisite to the above mentioned courses. If Math 120 is taken at UVic as a Math 12 equivalent, it will not be counted as 1.5 units of Other Math as described below. It is recognized that students transferring from other institutions may have different combinations of Math and Statistics courses. At a minimum, students must have 3.0 units of courses in the Math and Statistics area. The following are acceptable: One course in Business Statistics (1.5 units), and one other Math course (1.5 units) which may not include Pre-Calculus, Pre-Calculus Math or Pre-Calculus Algebra, or Math for Elementary Education. Acceptable topics for other Math courses include Linear Algebra, Business Math, Math for Economics, among others. A minimum transfer credit of 100-level Math must be awarded for the other Math courses. Students who select the ECON 245 and ECON 246 or the STAT 255 and STAT 256 combinations can satisfy both the statistics requirements (1.5 units) and the other math requirement (1.5 units). Decisions regarding the appropriateness of Math and Statistics courses are at the discretion of the Faculty.
Additional Course Requirements for International Students	COM 206C: Business English and Communications (or equivalent) COM 290: Introduction to Canadian Business Note that decisions regarding the appropriateness of equivalent courses are at the discretion of the Faculty.
Computer Literacy:	Applicants must have demonstrated competence in the use of word processing, database and spreadsheet software packages (such as Microsoft Office).
Courses in other disciplines to make up 30 units of Pre-Commerce work	Non-Business courses in other disciplines to make up 30 units of Pre-Commerce course work (maximum of 4.5 units of Commerce course work). COM 220, 240, 250, 270 may not be used as Pre-Commerce course work. Students may wish to consider including courses in languages, other cultures and other political or economic systems. Notes about Language Requirement Students who intend to specialize in the International Business specializations are required to complete a minimum of 3.0 units of a foreign language as part of their Pre-Commerce course work. Students who intend to apply to participate in an academic exchange through the INTEP program, please see description regarding language requirements under the INTEP entry. In addition to the above, highly recommended courses include: ECON 205: Managerial Economics ENGL 225: Technical Communications: Written and Verbal ES 200: Introduction to Environmental Studies IB 218: International Field Study MATH 102: Calculus For Students in the Social and Biological Sciences EPHE 142: Human Wellness and Potential PHIL 201: Applied Logic: I PHIL 330: Professional and Business Ethics SOCI 100: Introduction to Sociology THEA 122: The Acting Experience THEA 150: Public Speaking
One Co-op work term	Applicants will need to have completed (or be able to challenge) one co-op work term before entering the program or complete a third co-op term during the program. For details, please see "Co-op Work Term Requirements for Admission".

Students are required to complete at least 2 of the required courses in Year 1.

- Students must obtain a minimum GPA of B- (4.0) on their required courses, with a minimum grade of C+ in each of them.
- Students must have an overall GPA of 5.0 on their most recent 30 units.
- Students must undertake the Pre-Commerce co-op work term immediately prior to entry into the BCom program core.

Year 2 Admission – First-year College or University Students

Application Deadline: February 28

Students applying to Year 2 are required to submit the following documents by February 28:

- University of Victoria Application Form (non-UVic students) or UVic Reregistration Form (UVic students)
- Bachelor of Commerce Supplemental Application Form

In addition, applicants must ensure that the following documentation is submitted by March 15:

- Two official copies of secondary and post-secondary education transcripts directly from issuing institution

Evaluation: Applicants will be assessed on their most recent 15 units of course work, on their performance in required courses and on an assessment of the applicant's attributes as derived from the submission material. Students must have completed at least two of the required courses with minimum grades of C+ and a GPA of 4.0 for these courses by the application deadline.

Conditions for entry into the BCom program core courses:

- Students must meet UVic entrance requirements
- Students must complete the remainder of their Pre-Commerce course work at UVic (Year 2).
- Students must obtain a minimum GPA of B- (4.0) on their required courses, with a minimum grade of C+ in each of them.
- Students must complete all required and elective courses (30 units) by the end of the Spring (January-April) term of their Year 2 prior to commencement of BCom program core.
- Students must achieve a GPA of at least 5.0 on their most recent 30 units to be eligible for entry into the BCom program core.
- Students must undertake their first co-op work term immediately prior to entry into the BCom program core.

Year 3 (Direct Entry) Admission – Second-year College or University Students

Application Deadline: February 28

Students applying for direct entry into the Year 3 BCom Program core are required to submit the following documents by February 28:

- University Application for Admission (non-UVic students) or UVic Reregistration Form (UVic students)
- Bachelor of Commerce Supplemental Application Form

In addition, applicants must ensure that the following documentation is submitted by March 15:

- Two official copies of secondary and post-secondary education transcripts directly from issuing institution

Evaluation: Applicants will be assessed on their most recent 15 units of course work. As well, students must have completed at least three of the required courses with minimum GPA 4.0 among these courses, with a minimum grade of C+ in each of them, by the application deadline. Admission is based 60% on quantitative (GPA) and 40% on qualitative considerations assessed from the submitted supplemental material.

Conditions for entry into the BCom program core courses:

- Students must complete 30 units of Pre-Commerce course work, including all required courses, by the end of the Winter Session prior to commencement of the BCom program.
- Students must achieve an overall most-recent 30-unit GPA of 5.0 to be eligible to enter the BCom core program.

Admission Requirements for Graduates of Hospitality Management Programs

Application Deadline: February 28

Students applying from Hospitality Management diploma programs are required to submit the following documents by February 28:

- University of Victoria Application Form (non-UVic students) or UVic Reregistration Form (UVic students)
- Bachelor of Commerce Supplemental Application Form

In addition, applicants must ensure that the following documentation is received by March 15:

- Two official copies of secondary and post-secondary education transcripts directly from issuing institution

Applicants from two-year Hospitality Management/Hotel and Restaurant Administration diploma programs may be eligible for entry to the BCom program if they meet the following criteria:

1. The diploma is completed with a minimum B (5.0) average, as determined by Undergraduate Admissions and Records. The average as calculated by Undergraduate Admissions is a cumulative GPA, which includes all course attempts.
2. Except for pre-admitted students, the diploma is granted by August 31 of the year for which the student is applying for admission. Final official documentation will be required.
3. The diploma is awarded by a college that offers the BC Provincial Hospitality Management Diploma Program, or its equivalent.
4. Completion of a microeconomics course (equivalent to UVic ECON 103) and an acceptable statistics course (equivalent to STAT 252).
5. Completion of the Undergraduate English Requirement.

BC Institutions Currently Delivering the BC Provincial Hospitality Management Diploma Program

- Camosun College
- College of New Caledonia
- Douglas College
- North Island College
- Selkirk College
- Thompson Rivers University
- Vancouver Community College

- Vancouver Island University

Alberta and other Institutions

- Southern Alberta Institute of Technology (Calgary)

Students who have completed two or three year of recognized Hospitality diploma programs may also be eligible. Please contact the Faculty of Business for eligibility information on other programs.

Admission Criteria for Graduates of Hospitality Management Programs

Admission decisions for the Bachelor of Commerce program will be made based on the GPA achieved in the diploma program (60% weight) and on an evaluation of the applicant's Supplemental Application Form (40% weight). See description of Quantitative and Qualitative considerations below.

Please note that applicants must be admissible to the University of Victoria to be considered for the Bachelor of Commerce program. Students who have completed additional credit courses after their diploma programs should contact Admissions Services to determine how these courses may affect their admissibility to the University.

If the diploma has not been granted by the documentation deadline, the student must still submit an official transcript outlining completed courses and courses that are still in progress. Students should also provide letters from their institutions that indicate that they are expected to have been granted their diplomas by August 31 of the year for which they are applying for admission. Two official copies of the final transcript indicating the granting of the diploma will be required by Undergraduate Admissions.

ADMISSIONS PROCESS FOR ALL ADMISSION CATEGORIES

Minimum GPA

Applicants other than those to Year 1 must have a GPA of at least 4.0 (B-) on the UVic 9-point scale, or equivalent as calculated by Undergraduate Admissions and Records, in their last 12 units of course work to be considered for admission to the Faculty of Business.

Quantitative Considerations

For applicants in each admission category, the GPA evaluation will form 60% of the admission decision. Applicants to Year 2 and Year 3 who meet the minimum requirements will be rated within their applicant groups on this criterion based on weighting equally their most recent 15-unit GPA as calculated by the Faculty of Business with their GPA in Pre-Commerce required course work.

Qualitative Considerations

An evaluation of qualitative considerations will form 40% of the admission decision. The Faculty of Business recognizes that many different factors contribute to a person's chances of success in business. Applicants are therefore required to submit information on their application/resume forms outlining experiences and attributes which they feel indicate their suitability for the Bachelor of Commerce program.

Assessment for Admission

Admission decisions within each admission category will be based on applicants' overall rankings based on scores that proportionately combine their quantitative and qualitative assessments. Admission to the Bachelor of Commerce program is subject to limited enrolment. The calculated score required for admission can fluctuate, depending upon the number and quality of the applications received in a given year.

Successful applicants will be admitted on the condition they complete 30 units of course work, including all required and elective Pre-Commerce course work, and will normally have satisfied the Pre-Commerce co-op requirement before commencing the BCom program core courses.

In certain cases, applicants will be considered for admission with no fewer than 27 units of credit. Students should be aware, however, that they will be required to complete a total of 30 units of Pre-Commerce courses to be eligible to enter the BCom program core (Year 3). All applicants must complete the Pre-Commerce required courses by the end of the Winter Session prior to commencement of the BCom program core (Year 3). Final acceptances and scholarships will be based on the complete Pre-Commerce 30-unit (or more) student record after the Spring term (May 30).

Limitation of Commerce Credit and Course Waivers

Applicants are required to take courses in other disciplines as part of their 30 units of Pre-Commerce coursework. Students intending to transfer to the BCom program from other institutions should be aware that a maximum of 4.5 units of Commerce courses may be used as part of the 30 units of Pre-Commerce courses.

All students will be expected to complete all of their Commerce courses within the BCom program. Students will not be granted waivers from any courses in the BCom program based on any previous credit.

APPLICATION MATERIALS

All forms are available from:

Business Student Service Office
Bachelor of Commerce Program
University of Victoria
PO Box 1700 STN CSC
Victoria BC, Canada V8W 2Y2
Phone: 250-472-4728
Fax: 250-721-7066
Email: bcom@uvic.ca

The Bachelor of Commerce Supplemental Application Form can also be obtained from the Business Faculty website at: <www.business.uvic.ca/undergraduate>.

University of Victoria undergraduate application forms for students new to UVic and reregistration forms for returning students are available at the Undergraduate Admissions and Records website: <registrar.uvic.ca/undergrad>

Current and returning UVic students must submit:

1. Bachelor of Commerce Supplemental Application Form
2. UVic Reregistration Form

Documents must be submitted to:

Undergraduate Records
University of Victoria
PO Box 3025 STN CSC
Victoria BC V8W 3P2

The Bachelor of Commerce Supplemental Application Form may also be returned directly to the Business Student Services Office.

New Students to UVic must submit:

1. Bachelor of Commerce Supplemental Application Form
2. UVic Application for Undergraduate Admission

Documents must be submitted to:

Undergraduate Admissions
University of Victoria
PO Box 3025 STN CSC
Victoria BC V8W 3P2

The Bachelor of Commerce Supplemental Application Form may also be returned directly to the Business Student Services Office.

Admission Decisions for Entry in September

Students who are admitted to the BCom program will receive written information regarding registration in appropriate course work for the following academic year.

Faculty Academic Regulations

STUDENT RESPONSIBILITY

Students are responsible for ensuring that their courses have been chosen in conformity with the requirements of the BCom program. The Faculty of Business and the Business Co-operative Education (Co-op) Program will consider the sessional address given to UVic Records Services as the proper contact address.

Students are directed to Co-operative Education Programs General Regulations on page 46 of the Calendar to review the guiding principles of the University's Co-operative Education Programs.

Students are advised to review the University of Victoria academic regulations starting on page 31 of the Calendar.

The faculty, students and staff of the Faculty of Business work together to promote professionalism and integrity. These are attributes that prepare our students for real leadership roles and create an environment of professionalism in the faculty. The faculty has developed two documents: a general guide, Principles of Professional Behaviour, and a more detailed guide, Standards for Professional Behaviour. All students are subject to the provisions of these documents. Copies are available from the Business Student Services Office (BEC 283).

LETTERS OF PERMISSION

Students in the Faculty of Business who are planning to take a course at another institution are required to contact the Business Student Services Office for letters of permission before enrolling in the course. If permission is granted by the Faculty of Business, a minimum grade of C

in Commerce courses is required for transfer credit. Students may take a maximum of two 1.5 unit open commerce elective courses by letter of permission for credit in the Bachelor of Commerce degree program.

COURSE REGISTRATION

Students are admitted to the BCom program, not to particular areas of specialization. Space may be limited in specific areas of specialization outside the Commerce core. Students will be required to declare their specialization by the end of the first academic term in the BCom core.

Students are expected to have met all prerequisites for Commerce courses. A passing grade is acceptable for prerequisite purposes, unless a higher grade is called for in the course description. It is expected that students will complete a full course load each academic term (7.5 units). It is intended that students will progress through the BCom program core in a designated cohort group.

Students who withdraw from or receive a failing grade of F in a course listed within the Commerce core or a course required for their chosen specialization must repeat that course during the next academic term in which it is offered. Students who receive a failing grade of E in a core course may apply for a supplemental exam (see Supplemental Exam regulations under the appropriate section below). Students who do not apply for a supplemental exam by the published deadline will be considered to have failed the course, the opportunity to apply for a supplemental is rescinded, and the student must repeat the course in the next academic term that the course is offered.

SUPPLEMENTAL EXAMS

Supplemental examination privileges in Bachelor of Commerce core courses are granted to students who have a satisfactory standing in the program. Satisfactory standing for the purpose of supplemental examinations is defined as achieving the minimum academic standard of 3.0 in their most recent academic term. The maximum number of units of supplemental examinations allowed for any one student is normally three during their Bachelor of Commerce degree program. In addition, students may not apply for more than ONE supplemental examination during a given academic term.

Students must apply in writing for permission to write a supplemental examination. Students are eligible to take the supplemental examination in a course only if they have completed all the course work, written the final examination and received a grade of E in the course. Supplemental examinations cover only the course work covered by the written final examinations - they will not compensate for, or replace, project or assignment grades. If there was no written final examination in the course, or if a student did not have a passing grade on the course elements exclusive of the final exam, the student will not be eligible for the supplemental examination.

A passing grade obtained on a supplemental examination will be shown on the student's academic record with a grade point value of 1, corresponding to a D, and will be included as such in the calculation of the GPA for review of aca-

ademic performance at the University and in determining the student's graduating average and standing at graduation. However, for the purpose of academic review and standing within the faculty, the actual grade received on the supplemental examination, together with the E grade that gave rise to the supplemental examination, will be used. A student who fails to pass a specific course after a supplemental examination must repeat the course or replace it with an alternative course approved by the Director of the Bachelor of Commerce program.

The fee for each supplemental examination is \$45.00. In certain unique situations, students may apply for an off-campus supplemental examination. The testing locations for off-campus supplemental examinations outside British Columbia are restricted to universities and colleges, and the fee for an off-campus supplemental examination is \$55.00. The Bachelor of Commerce program office must receive applications for supplemental examinations, accompanied by the necessary fees, by the following dates:

- for courses taken during the September-December term: **January 15**
- for courses taken during the January-April term: **May 15**
- for courses taken during the May-August term: **September 15**

No applications for supplemental exams will be accepted past these deadlines. Students will normally be notified of whether their application has been accepted or refused within approximately three weeks of the appropriate application deadline. Fee payments will normally be returned to students only in the case of rejected applications. The Faculty of Business schedules supplemental examinations.

WAITLISTING

Normally, students have the option of being added to a waitlist for a class if the course enrolment is at its maximum; however, some exceptions do apply. The Faculty of Business will accommodate students from a waitlist as spaces in the class become available, and the registration system will notify students via their UVic email address.

Students must drop themselves from waitlisted classes where the class is no longer wanted or needed during that term. Students waitlisted for courses are responsible for monitoring their registration status through the registration system (uSource). Students should check their course registration on the last day of the 100% fee reduction period in each term to avoid being assessed unnecessary tuition fees.

The Faculty of Business reserves the right to establish its own criteria for priority registration in courses and sections.

COURSE CHALLENGES

The Faculty of Business does not accept course challenges.

REVIEW OF ACADEMIC PERFORMANCE

Students who have failed a work term required in the mandatory Business Co-op program, or have a GPA below 3.0 in any academic session,

will be ranked as unsatisfactory and may be required to withdraw for at least one calendar year. The Faculty of Business is under no obligation to re-admit students who have been required to withdraw, regardless of the cut-off GPA in the year in which they re-apply.

EXAMINATIONS

The final exam period for each academic term is available on-line. Students are advised to consult the on-line exam schedules before making arrangements for their personal schedules. It is the responsibility of all students to be present for the exam period for both midterms and finals. The Faculty of Business is not responsible for conflicts between the final exam schedule and personal schedules of students. Requests to write an exam on a day other than the date designated by the official exam schedule will not be entertained. For academic regulations regarding deferred exams, please see page 36 of the Calendar.

Commerce courses with more than one section may have a common midterm exam scheduled by the Faculty of Business. Students will be advised of the times and dates of the exams by the Faculty of Business and may be expected to attend midterm exams outside the regular class schedule which may included Saturdays.

WITHDRAWAL FROM THE BCOM PROGRAM

A student who does not register for any courses during the first academic term after admission, or during any subsequent academic terms while not on a co-op work term or a leave of absence, will be considered to have withdrawn. Any student who is considered withdrawn must re-apply for admission and will be considered in competition with all other applicants. A student who has started the BCom program core and subsequently registers for courses applicable only to another department during an academic term must have the written permission of the Faculty of Business.

Students who voluntarily withdraw from the BCom program and later re-apply for admission must do so by the standard deadlines and will be considered in competition with all other applicants. The Faculty of Business is under no obligation to re-admit any student who has withdrawn.

LEAVE OF ABSENCE

Students must apply in writing to their academic adviser for a leave of absence. Unless given written permission by the Faculty of Business to take a leave of absence, students who do not register will be considered to have withdrawn. Students on leave of absence are considered outside the program and will not be granted work term credit or academic course credit for experience gained during the leave.

GRADUATION REQUIREMENTS

The minimum requirements for graduation are:

1. completion of 30 units of required and elective Pre-Commerce course work
2. completion of 18 units of BCom program core as well as COM 204, 205 and 405
3. completion of 12 units of specialization courses and open Commerce electives, nor-

mally completed within the BCom Program. Note that students who have entered the BCom program with Hospitality Management Diploma block transfers are required to complete 3.0 units of non-business electives and 9.0 units of specialization and open Commerce electives.

4. satisfactory academic performance as outlined above
5. satisfactory completion of three co-op work terms within the regulations of the Faculty of Business and including any challenges or transfers granted

Program Requirements

The Bachelor of Commerce program combines learning in the classroom with work experience, an internationally diverse cohort group, and the opportunity for international work and study. Following the completion of the Pre-Commerce course work (30 units), students are expected to follow the schedule of academic and work term sequencing outlined for each area of specialization to complete the remaining two years of study (30 units) in the Bachelor of Commerce program. Students start the BCom program core in the Fall term of their 3rd year.

REQUIRED COMMERCE COURSES (18 UNITS)

COM 204 (0)	Co-op Preparation
COM 205 (0)	Professional Skills Development
COM 315 (1.5)	Financial Accounting
COM 316 (1.5)	Management Accounting
COM 321 (1.5)	Organizational Behaviour and Design
COM 322 (1.5)	Management of Employee Relations
COM 331 (1.5)	Management Information Systems
COM 341 (1.5)	Operations Management
COM 351 (1.5)	Marketing Principles and Management
COM 361 (1.5)	International Business
COM 362 (1.5)	Business and Sustainability
COM 371 (1.5)	Management Finance
COM 400 (1.5)	Strategic Management
COM 402 (1.5)	Legal Issues in Management
COM 405 (0)	Career Preparation

COM 204 may be completed in Year 2. The BCom program core, consisting of the above-listed 300-level COM courses plus 205, must be taken during the Fall and Spring term of Year 3. COM 400, 402 and 405 are completed during fourth year. COM 400 and 405 should normally be taken in the final academic term. COM 402 can be taken at any point during fourth year, usually in the elective term.

SPECIALIZATIONS

There are three specializations:

- International Business Management
- Entrepreneurship
- Service Management

International Business

Within their pre-Commerce course work, students interested in specializing in International Business must complete a minimum of 3 units of a foreign language, or demonstrate equivalent competence.

The International Business specialization requires that students have direct international experience outside North America. This requirement may be satisfied by participating in the international exchange program or in an international work study (IB 418) in the Fall term (at an additional cost). The requirement will be waived for international students and those who have completed at least one year of high school or university studies in a country in which English is not the primary language.

International Business is a three-course specialization.

IB 415 (1.5)	Cross-national Management
IB 416 (1.5)	International Marketing
IB 417 (1.5)	International Finance

Entrepreneurship

Entrepreneurship is a five-course specialization, including COM 400.

ENT 410 (1.5)	Venture Marketing Expertise
ENT 411 (1.5)	Venture Planning/Finance Expertise
ENT 412 (1.5)	Acquiring Expert Venture Cognitions
ENT 413 (1.5)	Portfolio Practicum
Plus	
COM 400 (1.5)	Strategic Management

Service Management

Service Management is a three-course specialization.

SMGT 415 (1.5)	Hospitality/Service Marketing Management
SMGT 416 (1.5)	Hospitality/Service Operations and Quality Management
SMGT 417 (1.5)	Hospitality/Service Human Resource Management

Open Commerce Electives

Please note that in addition to the 18 units of core courses and the required courses within the chosen specialization (4.5-6.0 units), students are required to complete an additional 6.0-7.5 units of open Commerce electives (prerequisites and corequisites still apply). Note that students who have entered the BCom program with a Hospitality Management Diploma block transfer are required to complete 3.0 units of non-business electives and 3.0 to 4.5 units of open Commerce electives.

MANAGEMENT PROGRAM

Students may elect to complete a program in Management.

Within Management, there are no required specialization courses. In addition to the 18 units of program core courses, students can select courses of interest from the specialization and open Commerce elective courses to make a total of 12 units (prerequisites/corequisites still apply). Priority registration in specialization courses goes to students in that specialization.

The Faculty of Business reserves the right to manage registration lists and waiting lists of specialization courses accordingly.

INTERNATIONAL EXCHANGE PROGRAM

The International Exchange Program (INTEP) provides the opportunity for eligible Commerce students, regardless of their specialization, to spend approximately four months studying at an overseas institution and receive full course credits for one term. Normally, studies overseas are conducted in the English language; however, some exceptions do apply. Participation in INTEP is equivalent to 7.5 units:

COM 460 (1.5)
COM 480 (2 x 1.5)
COM 499 (1.5)
and normally
COM 470 (1.5)

INTEP Requirements

To be eligible for international academic placements, student must meet the following requirements:

1. Completion of 300-level BCom program core.
2. A minimum GPA of 4.0 in all academic terms following entry to the BCom program core.
3. 3.0 units of a foreign language are strongly recommended. Note that students who have completed the language requirement will have priority in exchange placements.
4. Evidence the student has actively participated in international activities and events.
5. Permission of the Associate Director, International Programs.

Contact the International Programs Office for more details.

BUSINESS MINOR PROGRAM

Students following a Minor program in Business must complete the Business Minor core, consisting of COM 220, 240, 250, and 270 with a minimum grade of C+ in each course, plus a least 3 units of 300- or 400-level COM, ENT or IB courses.

Required courses at the 200-level or higher in the Business Minor Program cannot form part of the requirements towards other programs or options.

BUSINESS CO-OP PROGRAM

The University regulations with respect to Co-operative Education Programs (see page 46) are applicable to the Faculty of Business Co-op Program except to the extent that they are modified by regulations adopted by the Faculty of Business.

Admission to the Business Co-op Program

Co-operative education is mandatory in the Bachelor of Commerce program and forms an integral part of the academic requirements of the BCom degree. As such, admission to the Bachelor of Commerce program automatically results in admission to the Business Co-op Program.

Business Co-op General Regulations

The following regulations apply to the Business Co-op program. General regulations found in the Co-operative Education Program section of

the Calendar also apply to the Business Co-op program. Where the Faculty of Business regulations differ from those of the Co-operative Education Program, Faculty of Business regulations will apply.

Co-operative Education work terms are four months of full-time paid work. The work placement must be related to the student's learning objectives and career goals. The placement must be supervised, and the employer willing to conduct a mid-term and final evaluation of the student in consultation with a Co-operative Education Program Coordinator (known hereafter as a Coordinator).

Students must receive credit for three co-op work terms. As per the general regulations for co-op, 4.5 units of academic credit are awarded for each approved work term successfully completed. These work term credits may not be applied towards the graduation requirements for any degree or program except in fulfillment of the co-op work term requirement. Students are required to complete at least two of these work terms through the University of Victoria Business Co-op Program as part of their degree program. Students may be granted credit for the first of these three work terms as follows:

- Through the Work Term Challenge process, following the guidelines outlined in the Work Term Credit by Challenge heading in the Undergraduate Co-operative Education section (page 45), credit will be granted where work experience is considered satisfactory and the requirements for a challenge are complete.
- A student with a recognized co-op work term from another accredited post-secondary institution may apply for transfer credit. Students must apply in writing for work term transfer credit within the first 60 days of their initial academic term within the BCom program, identifying the program and work term for which they would like credit. A transcript may be required.

Business students may be admitted into the Business Co-operative Education Program in their second year and complete their first co-op work term in the summer before commencing third year Commerce courses

Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university level credit courses while on a work term. Under extraordinary circumstances, students may submit, in writing to the BCom Director, Undergraduate Programs, a request to register in a maximum of 1.5 units of university level course credit. If a student is on probation then no units of credit will be allowed during the work term. Students are reminded of their responsibility to maintain the minimum academic performance required by the Faculty of Business (see Review of Academic Performance, page 53). Students with a GPA below 3.0 in an academic term will not be eligible to participate in the next scheduled co-op work term.

Students should not expect to complete all their work terms in the summer months, nor should they expect to complete their BCom program on a work term or series of work terms. In certain cases, a student will be permitted to end the program on a co-op work-term to satisfy

the BCom co-op work term requirements if the Program scheduling would otherwise unduly prolong a student's program completion. All decisions regarding the eligibility of a student to complete their program on a co-op term will be made at the discretion of the Faculty of Business.

Students must sign a current Terms and Conditions document as provided by the Business Co-op Program in order to be eligible to participate in the placement process.

The Co-op Preparation Course is a mandatory requirement for business students. This program is a co-requisite for students participating in the placement process prior to their first work term. Students will be provided more information regarding the Co-op Preparation Program, its curriculum, and the requirements for completion upon admission to the BCom program.

Students are expected to participate fully in the placement process. While every attempt will be made to ensure that all eligible students are placed, the Faculty of Business is under no obligation to guarantee placement. Students are only permitted to decline one valid co-op job offer per co-op term, any more than that and they will be deemed ineligible to participate in the placement process for the remainder of that term. Students should be prepared to spend at least one work term outside the greater Victoria area.

The Business Co-op Program reserves the right to approve any employer that provides placements for students and to withdraw a student from any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any withdrawal and can follow the student appeal procedures as outlined in the Co-operative Education Program section, page 46. Students may not withdraw from a placement without approval from a Coordinator. Failure to obtain permission will result in the student receiving a grade of N/X on the work term.

Students must be officially registered for the work term by completing the Work Term Registration Form, which is provided by the Business Co-op office, and providing any other required documentation by the end of the first month of the work term. Students not registered by that time may not receive credit for that work term. A Co-op Program Fee, which is non-refundable, is due in the first month of each work term and is subject to the University's general fee regulations, page 42.

While on Co-operative Education work terms students are subject to the provisions of the Principles of Professional Behaviour and the Standards for Professional Behaviour documents developed for Faculty of Business students.

Academic and Work Term Sequencing

Work terms are normally of four months duration and should be integrated within the student's academic program such that they alternate with academic terms, as designated by their area of specialization, until graduation.

The Faculty of Business may make amendments to a student's academic and work term sequencing during the course of the program.

Students are expected to remain in the prescribed academic and work term sequencing.

Priority will be given to placing students who are scheduled to go on a work term, as defined by their area of specialization. Students not scheduled to go on a work term will not be eligible to participate in the placement process.

Assessment of Work Term Performance

The requirements for a pass grade in a Co-op Work Term include the satisfactory completion of the following items:

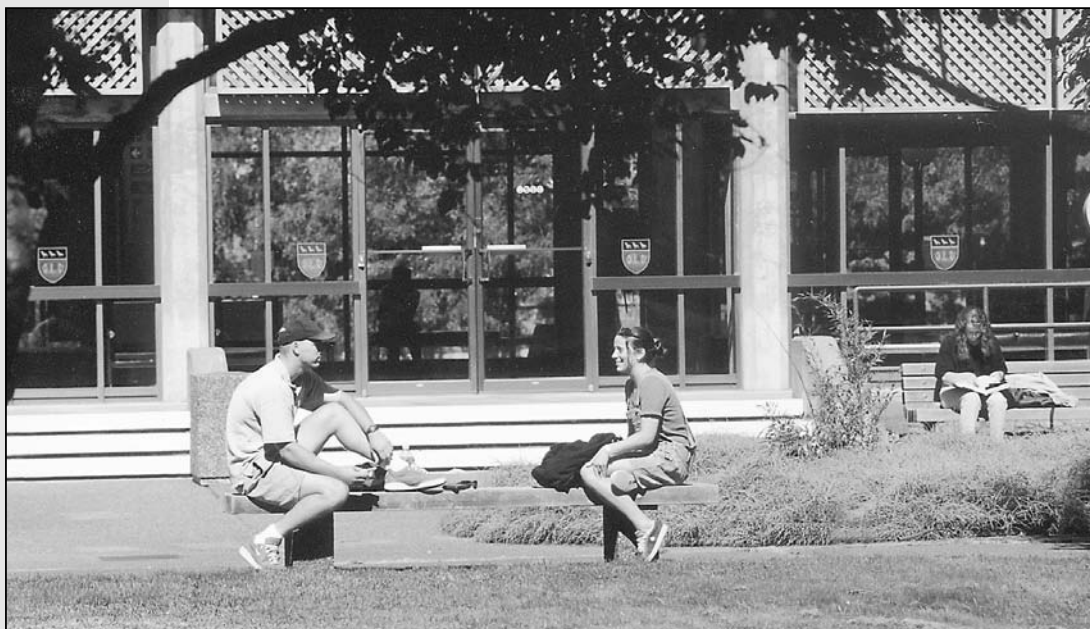
- the student's work term expectation form
- Work Site Visit by the Co-op Coordinator
- the student's work term final evaluation
- the employer's work term evaluation
- a work term report as assessed by the Coordinator and submitted by the deadlines specified below:
 - **Fall Work Term Report:** due January 15 (unless it falls on a holiday or weekend in which case the report will be due the next business day)
 - **Spring Work Term Report:** due May 15 (unless it falls on a holiday or weekend in which case it will be due the next business day)
 - **Summer Work Term Report:** due September 15 (unless it falls on a holiday or weekend in which case, the report will be due the next business day)

Late work term reports will only be accepted (in the event of illness, accident or family affliction) with legitimate substantiation for academic concession. Otherwise, late reports will result in remedial requirements.

A grade of COM, F/X, or N/X will be assigned to students at the completion of each work term. Students who are assigned a grade of F/X or N/X for a work term that carries 4.5 units will have a 0 grade point assigned for that work term. Students who fail a work term or who have not completed a work term by the end of four academic terms may be required to withdraw from the faculty.

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Faculty of Education



Faculty Administrative Officers:

Ted Riecken, Dean of the Faculty 250-721-7757
 Jillian Roberts,
 Associate Dean Administration . 250-721-7759
 Marian Ward,
 Manager, Teacher Education . . . 250-721-7762
 Luanne Krawetz,
 Manager, Field Experience 250-721-7870
 Academic Advising:
 Teacher Education 250-721-7877
 Recreation and Health Education
 or Kinesiology 250-721-6554

Studies in Education lead students toward an understanding of the nature of knowledge, its interpretations and how it is shared. Through individual and group work, instruction, and supervised experiences in the field, students in the Faculty develop their professional knowledge and skills as well as their ability to share their knowledge and experience. In this way, students learn how to be leaders not only in the classroom but in the community as well. Students in the Faculty may pursue bachelor programs in elementary or secondary education, kinesiology or recreation and health education. The Faculty also offers graduate programs at the master's and doctoral levels.

Faculty Members

Theodore (Ted) J. Riecken, B.A., M.Ed. (U. Sask), EdD (UBC), Dean of the Faculty

Jillian Roberts, BA (Waterloo), BEd (Dalhousie), MEd (OISE Tor), PhD (Calgary), RPsych, Associate Dean Administration

(To be determined), Associate Dean Teacher Education

Department of Curriculum and Instruction

Deborah L. Begoray, BA (U of A), MA (Calg), PhD (UBC) Professor

Thomas Fleming, BA, MA (UVic), PhD (Ore), Professor

Robert J. Graham, MA (Glasgow), MA (Toronto), MEd (OSIE), PhD (Calgary), Professor

Theodore J. Riecken, BA, MEd (Sask), EdD (Brit Col), Professor

Wolff-Michael Roth, MSc, (Germ), PhD (Mississippi), Professor and Lansdowne Chair

Gloria J. Snively, BSc (Portland St), MA (SFU), EdD (Brit Col), Professor

Larry D. Yore, BS, MA, PhD (Minn), Professor and University of Victoria Distinguished Professor

Robert J. Anthony, BA, MA (Man), PhD (Tor), Associate Professor and Chair of the Department

Laurie R. Baxter, BA, MEd, (West Wash St), PhD, (Ohio St), Associate Professor

Donald L. Bergland, BA, MA, EdD (Brit Col), Associate Professor

David W. Blades, BEd, MEd (UVic), PhD (U of A), Associate Professor

Robert C. Dalton, BA (Calg), MFA (Wash), PhD (Ohio St), Associate Professor

Michael J. Emme, BA (UVic), MA, EdD (UBC), Associate Professor

Leslee G. Francis-Pelton, BSc, MA, PhD (BYU), Associate Professor

Wanda J. Hurren, BEd, MEd (Sask), PhD (UBC), Associate Professor

Mary Kennedy, BMus, MEd, (UVic), PhD (Wash), Associate Professor

Gerald N. King, BMus (Brit Col), MMus (WWash), EdD (BYU), Associate Professor (joint appt with School of Music)

Sylvia J. Pantaleo, BA (Guelph), BEd (Queen's), MA (Calg), PhD (U of A) Associate Professor

Timothy Pelton, BSc, BEd, MSc, PhD (BYU) Associate Professor

Alison Preece, BA (Brit Col), MA, PhD (UVic), Associate Professor

Helen Raptis, BA, MEd, PhD (UVic) Associate Professor

Katherine Sanford, BEd, MEd, EdD (U of A), Associate Professor

Ruthanne Tobin, BA (Dalhousie), 5th Yr. Special Ed (UBC), BEd (Montreal), MEd, PhD (UVic), Associate Professor

Benjamin Bolden, BMus (Carlton), MMus (UBC), BEd (OISE), PhD (Tor), Assistant Professor

Elizabeth Churchill, BA, BEd, MA, PhD (Calg), Assistant Professor

Valerie Irvine, BEd, BA (UBC), University Teaching Program, PhD (U of A), Assistant Professor

Graham P. McDonough, BMus, BA (Sask), MA, PhD (Tor), Assistant Professor

Jason Price, BA (Trent), BEd (Nipissing), MEd (Framingham State), MA, PhD (OISE), Assistant Professor

Jennifer S. Thom, BEd (UVic), MA, PhD (UBC), Assistant Professor

Lorna Williams, BGS, MEd (SFU), PhD (Knoxville), Assistant Professor, Canada Research Chair

Michelle Wiebe, BFA, BEd, MEd (Calg), EdD (U of Montana), Senior Instructor

Onowa McIvor, BA, MA (UVic), Lecturer

James Nahachewsky, BA, BEd, MEd (Sask), Lecturer

Department of Educational Psychology and Leadership Studies

John O. Anderson, BSc, BEd, MEd (Man), PhD (Alta), Professor

M. Honoré France, BSc (Tenn), MEd, EdD (Mass), Professor

E. Anne Marshall, BA (Bishop's), MA, PhD (OISE Tor), RPsych, Professor

W. John C. Walsh, BGS, MA, PhD (Simon Fraser), RPsych, Professor

Timothy G. Black, BA (Western Ont), MA, PhD (Brit Col), RPsych, CCC, Associate Professor

Wanda Boyer, BEd (Calg), MEd, PhD (S. Mississippi), Associate Professor

Darlene E. Clover, BA (Tor), MES (York), PhD (OISE Tor), Associate Professor

Carolyn L. Crippen, BA (Carleton), MEd (Ottawa), PhD (North Dakota), Associate Professor

Allyson Hadwin, BEd, BAH, MEd (Queen's), PhD (Simon Fraser), Associate Professor

Jillian Roberts, BA (Waterloo), BEd (Dalhousie), MEd (OISE Tor), PhD (Calgary), RPsych, Associate Professor

David de Rosenroll, BA, MA, PhD (UVic), Assistant Professor, Academic Administrator

Tatiana Gounko, Grad Dip (Yakutsk, USSR), MSc (Nebraska), PhD (Alta), Assistant Professor

Gina Harrison, BA, MA, PhD (Brit Col), RPsych, Assistant Professor

Joan M. Martin, BA (NNU), MA, PhD (Notre Dame), Assistant Professor

Donna McGhie-Richmond, BEd (Alta), MA, PhD (OISE Tor), Assistant Professor

Catherine McGregor, BEd (UVic), MEd, PhD (Simon Fraser), Assistant Professor

Natalee Popadiuk, BA, BEd, MA (Brit Col), PhD (Calgary), RPsych, Assistant Professor

Valia Spilotopoulos, BA, BEd (Brit Col), MA (Laval), PhD (Brit Col), Assistant Professor, Academic Administrator, Associate Director - Learning and Teaching Centre

Susan L. Tasker, BSc, PhD (McMaster), Assistant Professor

Emeritus

Lily L. Dyson, BA (Taiwan), MEd, MA (Kansas), PhD (Washington), Professor Emeritus

Carol E. Harris, BA (Acadia), MEd (MUN), PhD (Tor), Professor Emeritus

C. Brian Harvey, BA (Bran), MA, PhD (Ohio St), Professor Emeritus

Geoffrey G. Hett, BEd (UVic), MS, PhD (Oregon), Associate Professor Emeritus

Yvonne M. Martin-Newcombe, BA, DipEd (UWI), MA, PhD (McGill), Professor Emeritus

Walter Muir, BEd, MEd, PhD (Alta), Professor Emeritus

Peter Murphy, BA (Win), BEd, MEd (Man), PhD (Alta), Professor Emeritus

Vernon J. Storey, BEd, MEd, EdD (Brit Col), Professor Emeritus

Max R. Uhlemann, BS, MS, PhD (Colo St), RPsych, Professor Emeritus

Visiting, Adjunct and Cross-listed Appointments

Larry Emerson, BA (New Mexico), MA, PhD (San Diego), Adjunct Assistant Professor

Edward S. Hickcox, BA (Vermont), MAT (Wesleyan), EdD (Cornell), Adjunct Professor

Bryan Hiebert, BEd (Calgary), MEd, PhD (Alta), Adjunct Professor

Myer Horowitz, BA (Concordia), MEd (Alta), EdD (Stanford), Adjunct Professor

Valerie Irvine, BA, BEd, PhD (Alta), (Cross-listed with Department of Curriculum and Instruction), Assistant Professor

Rita Knodel, BA (Alta), MA (Brit Col), PhD (Alta), Adjunct Assistant Professor

Jo-Anne Stoltz, BA, MA, PhD (UVic), Adjunct Assistant Professor

School of Exercise Science, Physical and Health Education

Frederick I. Bell, BA, BEd (Sask), MEd (Alta), EdD (N Car), Associate Professor and Director of the School

Sandra L. Gibbons, BEd (Alta), MSc (Wash St), PhD (Ore), Professor

Douglas R. Nichols, BA (Hope Coll), MS (Ore), MA (Mich St), PhD (Ore), Professor

Ryan E. Rhodes, BA, MA (UBC), PhD (Alta), Professor and Canadian Institutes of Health Research New Investigator

Geraldine H. Van Gyn, BA (W Ont), MSc, PhD (Alta), Professor

S. Joan Wharf Higgins, BA, MA (UVic), PhD (UBC), Professor and Canada Research Chair

E. Paul Zehr, BPE, MSc (McMaster), PhD (Alta), Professor

Catherine A. Gaul, BEd (New Br), MSc (S Fraser), PhD (UVic), Associate Professor and Course Director, Fdns of Medicine, Island Medical Program

Timothy F. Hopper, BA (Exeter), MA, PhD (Alta), Associate Professor

Patti-Jean Naylor, BPE (U of C), MA, PhD (UVic), Associate Professor

Vivienne A. Temple, BEd (Victoria Coll-Rusden), PhD (RMIT), Associate Professor

Sandra R. Hundza, BSc (Alta), PhD (UVic), Assistant Professor

Lara L. Lauzon, BA, MA, PhD (UVic), Assistant Professor

John T. Meldrum, BRec, MBA (Manitoba), PhD (Waterloo), Assistant Professor

Lynne A. Stuart-Hill, BSc, MSc (UVic), PhD (UBC), Assistant Professor

Greg Mulligan, BSc, MSc (UVic), Senior Laboratory Instructor

Holly Murray, BSc (UVic), Senior Laboratory Instructor

M. Veronica Planella, BA, MA (UVic), Senior Laboratory Instructor

Stefan Scott, BSc (Ottawa), MSc (UVic), Senior Laboratory Instructor

Nancy B. Reed, BrecEd, MEd (UBC), Ex Scie, Phys & Health Ed Co-operative Education Coordinator

Bradley W. Temple, BA (Monash), MA, PhD (RMIT), Ex Scie, Phys & Health Ed Advising Officer

Visiting, Adjunct and Cross-listed Appointments

Richard Backus, BSc, MD (Alta), Adjunct Assistant Professor (-2010)

Chris Blanchard, BA, MSc, PhD (Alta), Adjunct Associate Professor (-2011)

John Brooke, DL, MSc, PhD (Loughborough), Adjunct Assistant Professor (-2012)

Romeo Chua, BSc (SFU), MSc (McMaster), PhD (SFU), Adjunct Associate Professor (-2011)

David Collins, BSc, MSc, PhD (Alta), Adjunct Assistant Professor (-2011)

Rita Knodel, BA, MA, PhD (Alta), Registered Psychologist (cross-listed with Counselling Services) (-2011)

Steve E. Martin, BSc (W Ont), MD (McMaster), MSc (McGill), Adjunct Assistant Professor (-2013)

Stuart Petersen, BA, MA, PhD (Alta), Adjunct Professor (-2014)

Gordon G. Sleivert, BSc, MA, PhD (UVic), Adjunct Associate Professor (-2012)

Benjamin C. Sporer, BSc, MSc, PhD (UBC), Adjunct Assistant Professor (-2012)

Karen Strange, BSc, PhD (SFU), Adjunct Associate Professor (-2012)

Allan T. Wrigley, MSc, PhD (New Brunswick), Adjunct Assistant Professor (-2012)

Teacher Education Programs

Marian Ward, BEd (UVic), Manager, Teacher Education Programs

Seema Cavilla, BA, BEd (Lethbridge), Advising Officer

Sarah Riecken, BSc (UVic), Advising Officer

Nicole Underwood, BSc (UVic), Advising Officer

Luanne Krawetz, BEd (UVic), MA (UVic), Manager, Teacher Education Field Experience

Philip Watt, BEd (UVic), MA (Oregon), Coordinator, Secondary Teacher Education Field Experience

Michele Tanaka, BA (UC Santa Cruz), MA (Pac. Oaks College), PhD (UVic), Limited Term Assistant Professor (until July 2012)

1.0 General Information

1.1 UNDERGRADUATE DEGREE PROGRAMS

The Faculty of Education comprises the Department of Curriculum and Instruction, the Department of Educational Psychology and Leadership Studies and the School of Exercise Science, Physical and Health Education. The faculty offers programs leading to the degrees of Bachelor of Arts in Recreation and Health Education, Bachelor of Education (Elementary Curriculum), Bachelor of Education (Secondary Curriculum) and Bachelor of Science in Kinesiology.

1.2 CO-OPERATIVE EDUCATION PROGRAMS

Please refer to page 45 for information about Undergraduate Co-operative Education at the University of Victoria.

In the Faculty of Education, the School of Exercise Science, Physical and Health Education offers Co-operative Education Programs in Kinesiology and Recreation and Health Education. Admission to and completion of co-operative education programs are governed by the individual program requirements. Refer to section 15 for more information.

1.3 JOINT PROGRAMS

Bachelor of Science (Mathematics Education)

A program offered by the Department of Mathematics and Statistics in the Faculty of Science, in co-operation with the Faculty of Education, is under development.

1.4 INTERFACULTY PROGRAMS

In the Faculty of Education, students in the School of Exercise Science, Physical and Health Education have the option to complete courses for a program in another faculty. Students in a teacher education program do not have this option.

Recreation and Health Education Program (BA)

An undergraduate student enrolled in this program may complete courses prescribed in the UVic calendar for a minor program in another faculty. A major or honours program in another faculty is not an option. Students interested in completing an interfaculty minor should refer to section 15.2.2 and consult the adviser in the Exercise Science, Physical and Health Education Advising Office.

Kinesiology Program (BSc)

An undergraduate student enrolled in this program may also complete courses prescribed in the UVic calendar for a minor, major or honours program in another faculty. Students interested in completing an interfaculty minor, double honours or major should refer to section 15.3.6, and consult the adviser in the Exercise Science, Physical and Health Education Advising Office.

1.5 DIPLOMA AND CERTIFICATE PROGRAMS

Diploma in Intercultural Education and Training

This 18-unit program is designed for students and professionals working or planning to work in a multicultural or cross-cultural environment. It may be taken on a part-time or full-time basis. Students interested in this program should consult the Division of Continuing Studies.

DIPLOMA IN SPECIAL EDUCATION

The Department of Educational Psychology and Leadership Studies offers a Diploma in Special Education. This is a 15-unit program that combines the first 7.5 units found in the Professional Specialization Certificate Program in Special Education with coursework in the advanced treatment of developmental disabilities, behaviour problems, assistive technologies, inclusive education and effective consultation skills.

Faculty of Education Programs

Degree Programs	Degrees Granted
Bachelor of Education (Elementary Curriculum)	BEd
Bachelor of Education Post-Degree Professional Program (Elementary)	BEd
Bachelor of Education (Secondary Curriculum)	BEd
Bachelor of Education Post-Degree Professional Program (Secondary)	BEd
Kinesiology	BSc
Recreation and Health Education	BA
NB: All degree programs are subject to quota	
Diploma and Certificate Programs	
Diploma in Intercultural Education and Training	
Diploma in Special Education	
Professional Specialization Certificate in Information Communication Technology	
Professional Specialization Certificate in Special Education	
Professional Specialization Certificate in Teaching French Immersion	

Professional Specialization Certificate in Information Communication Technology

This Professional Specialist Certificate provides important background and training for teachers and other educational professionals to gain knowledge, skills, and experience in incorporating new communication technologies for instructional purposes. The certificate will be delivered through a combination of face-to-face and distance delivery.

Professional Specialization Certificate in Special Education

The Department of Educational Psychology and Leadership Studies offers a Professional Specialization Certificate (PSC) in Special Education. This 7.5 unit program is designed for teachers who have an undergraduate degree and teacher certification. Normally, students entering the program will also have two years teaching or equivalent experience. Using a variety of course delivery methods, the certificate courses are designed and scheduled to be completed part-time. The general foci of the certificate program are: high and low incidence special needs and their effect on development, learning, and behaviour; legal and ethical issues in the delivery of services to students with special needs; BC Ministry of Education Policies and Procedures; collaboration and consultation in special education; special education assessment (level B) and identification of learning needs; and individualized education program (IEP) design, delivery and evaluation.

Professional Specialization Certificate in Teaching French Immersion

Teachers will gain the methodology and fluency to be highly effective in the French immersion environment. This new credit certificate consists of four courses—two offered online in fall and spring, and two offered face to face in summer session.

1.6 GRADUATE PROGRAMS

Graduate degrees in education are offered through the Faculty of Graduate Studies. Inquiries about graduate degrees should be directed to the Dean of the Faculty of Graduate Studies or the Education departmental Graduate Advisers. Students seeking teacher certification should refer to the descriptions of the post-degree professional programs (elementary), section 11.0 and (secondary), section 13.0.

2.0 Academic Advice

Students needing advice about the BEd undergraduate courses or programs offered in the Faculty of Education (including the post-degree professional programs) should consult an academic adviser in-person at the Education Advising Centre, Room A250 MacLaurin Building or by telephone at 250-721-7877.

Students needing advice about the Kinesiology and Recreation and Health Education programs offered by the School of Exercise Science, Physical and Health Education (EPHE) should consult the EPHE Academic Adviser, Room 115, McKinnon Building or by telephone at 250-721-6554.

3.0 Indigenous Advisory Board

Programs in the Faculty of Education have the benefit of advice and guidance from the Indigenous Education Advisory Board whose members are stakeholders in the field of Indigenous Education. The members are from the First Nations, urban First Nations, and Métis communities as well as the Faculty of Education and university community. Further information is available from the Indigenous Education Office.

4.0 Availability of Courses to Students in Other Faculties

Faculty of Education courses required for an elementary or secondary teacher education program, kinesiology program or recreation and health program are normally restricted to students admitted to one of these programs.

A student who is not enrolled in the Faculty of Education may register for any course or section of a course that is not restricted to Faculty of Education students provided that the student has the prerequisites for the course and there are places available in the course when the student attempts to register.

Students in other faculties who propose to take courses in the Faculty of Education are responsible for determining if the courses can be used in their degree program.

In certain cases, other students may be registered as non-degree students to provide them with the opportunity to establish their qualifications for entry or re-entry to a program offered by the faculty or to re-establish their qualifications with the BC College of Teachers.

5.0 Limitation of Enrolment

The University of Victoria reserves the right to limit enrolment in the Faculty of Education and to refuse admission to the various programs of the faculty. Such factors as available space and facilities, teaching positions available in the schools, academic qualifications, general suitability of the applicant for teaching, physical abilities and fluency in English will be taken into account.

6.0 Faculty Admissions

New applicants to the University of Victoria should read the regulations regarding undergraduate admission starting on page 21.

Applicants for admission to the Faculty of Education must meet general faculty and specific program admission requirements.

APPLICATION AND DOCUMENT SUBMISSION DEADLINES

Applications for admission to the faculty, transcripts and all other related documentation must be received by the dates displayed in the

table on page 8 under the Faculty of Education heading.

For application deadlines for other degree programs and diploma programs offered by the faculty, please check with Undergraduate Admissions.

6.1 GENERAL FACULTY ADMISSION REQUIREMENTS

The specific admission requirements for individual programs within the Faculty of Education are given under each program's description.

The general requirements for admission to the Faculty of Education are:

1. at least 12 units of credit, including 3 units of English
2. a sessional grade-point average of at least 3.0 on the most recent session, and if that session is less than 12 units, a grade-point average of at least 3.0 on the most recent 12 units*
3. an admission interview, if required by program (see 6.3)

**This requirement will be waived for certificated teachers from the Province of British Columbia.*

All requirements for admission must be completed by April 30 and documented by May 31, except where otherwise specified.

Recommended Pre-Admission Courses

Admission to the Faculty of Education does not require specific secondary school prerequisites but many of the courses in its programs do.

Kinesiology

The following secondary school courses are required:

- at least Biology 11,
- Chemistry 11 (Chemistry 12 recommended),
- Pre-calculus 12, and
- Physics 12.

Teacher Education (Elementary)

The following secondary school courses are recommended:

- English Literature 12,
- at least French 11,
- one of Principles of Math 11, Pre-calculus 11, Foundations of Mathematics 12, and
- two grade 11 science courses.

Teacher Education (Secondary)

The following secondary school courses are recommended:

- English Literature 12 and
- for those wishing to become secondary art education teachers, Art 12
- for those wishing to become secondary music education teachers, Choral Music 12, Instrumental Music 12, Music Composition and Technology 12
- for those wishing to become physical education teachers, Biology 11, Biology 12, Chemistry 11, Physical Education 11 and Physics 11

6.1.1 Indigenous Admissions

The Faculty of Education is committed to increasing the number of students with First Nations, Inuit and Métis ancestry in our programs and therefore encourages applications from Indigenous people¹. In recognition of the BC Ministry of Education's mandate to increase access

for Indigenous students, the Faculty of Education has developed special access initiatives:

1. Reserved Seats: 5% of the positions in all the faculty's undergraduate programs will be held for Indigenous applicants who meet the Faculty of Education's minimum program entrance requirements and Indigenous application requirements.²
2. Exceptional Admission: Exceptional students who do not meet the standard faculty requirements may be eligible for admission through a case-by-case review process.

Eligibility for Special Access

To be eligible for a reserved seat and/or exceptional admission, an applicant will need to submit the admissions application form for Indigenous students (available from Education Advising or the School of Exercise Science, Physical and Health Education) in addition to the general admissions application or application to the School of Exercise Science, Physical and Health Education. Applicants will be considered for placement in the programs on an individual basis, taking into account such factors as Indigenous identity, academic performance, employment history, relevant experience with young people, evidence of participation within an Indigenous community and a letter of reference.

Admission Interview Requirement

Following the review of an application, an interview (in addition to the program interview) may be required. This interview will be conducted by the Indigenous Education Coordinator and Adviser. The interview process will take into account geographic distance of the applicant from the campus, and an alternative interview process may be considered.

Appealing Admission Decisions

A candidate who is not recommended for admission may appeal to the dean of education or to the Senate Committee on Admission, Registration and Transfer. See the university's first-year admission requirements pertaining to First Nations, Métis and Inuit applicants, page 26.

1. For the purpose of application and admission to the Faculty of Education, and in accordance with the Constitution Act of 1982, Part II Section 35(2), "Aboriginal peoples of Canada" refers to the Indian, Inuit and Métis peoples of Canada.

2. If the 5% quota of seats is not filled by July 1, the seats will then be offered to general students on the waiting list.

6.2 QUOTA RESTRICTIONS

Admission to all programs in the Faculty of Education is restricted by quotas. Qualified applicants may not necessarily be admitted.

6.3 ADMISSION INTERVIEW REQUIREMENT

An interview is required prior to admission to most programs within the Faculty of Education. For information about interviews, applicants should consult an academic adviser in the Faculty of Education.

7.0 Faculty Academic Regulations

7.1 STUDENT RESPONSIBILITY

Students are responsible for ensuring that their courses have been selected to satisfy the requirements of their chosen program within the Faculty of Education.

Students are advised to review the university's academic regulations starting on page 31 as well as the academic regulations that apply to their chosen program within the Faculty of Education.

7.2 PROFESSIONAL CONDUCT

Students enrolled in a Faculty of Education program are expected to behave in an ethical and professional manner.

Faculty members, students and staff of the Faculty of Education work together to promote professionalism and integrity. These are attributes that prepare our students for leadership roles and create an environment of professionalism in the faculty.

Students in a teacher education program will find the guidelines for professional conduct in section 9.1.

Students in the kinesiology and recreation and health education programs should refer to section 15 regarding professional conduct for students in the School of Exercise Science, Physical and Health Education.

Academic Integrity

Students should refer to the university policy regarding academic integrity starting on page 33. The penalties for violating the university policy are listed on page 33.

7.3 COURSE REGULATIONS

Practicum Courses

All courses that have a practicum component are governed by the practica regulations, section 9.3. No course containing field experience practica may be challenged. Students who wish to repeat any practica courses must obtain permission from the manager of field experience.

Prerequisites

It is the responsibility of all registrants to ensure that all prerequisites for the courses in which they register have been met. Prerequisites may be waived if the student has completed equivalent work, or in other exceptional cases. Consult an academic adviser in the Faculty of Education for more information.

Registration Restrictions

Registration in all 300-level courses is restricted to students having second-year standing or higher. Courses numbered 400 or above are reserved for students registered in third or following years. These regulations do not apply to ME 307, 309A, 309B, 409, and the following performance-oriented courses: ME 318, 418, 320, 321, 402, 420, 421. These courses may be taken by first- or second-year students with appropriate backgrounds.

7.4 CREDIT REGULATIONS

Credit for Courses Undertaken at Other Institutions

A student who has been admitted to the Faculty of Education may not take courses at another institution for credit towards a degree program offered in the faculty without the prior written approval, in the form of a letter of permission. A student must have completed, or be registered in, at least 6 units of course work at UVic to be eligible for a letter of permission. Students may request a letter of permission from an academic adviser in the Faculty of Education.

Students are responsible for ensuring that official transcripts for all attempted course work undertaken at other institutions are submitted to Undergraduate Records. See page 38 for the minimum sessional grade-point average regulations that apply to all UVic students. See also Faculty of Education minimum sessional grade-point average regulations, below.

Transfer credit is assigned upon receipt of an official transcript from the institution visited; letter grades are not included on the UVic transcript.

Credit for Skill Performance and Analysis Courses

Skill Performance and Analysis course credit is limited as indicated below:

BEd Degrees (Secondary Curricula)

- physical education secondary teaching area program: units specified in the degree
- non-physical education teaching area: 3 units

7.5 STANDING

7.5.1 Sessional Grade-Point Average

An explanation of how a grade-point average is calculated can be found on page 38.

7.5.2 Minimum Sessional Grade-Point Average and Academic Standing

Students should refer to page 38 for the minimum sessional grade-point average and academic standing regulations that apply to all UVic students.

Elementary Teacher Education

Probationary Status and Requirement to Withdraw: Students whose sessional grade-point average is 3.00 to 3.99 on 4.5 units or more will be required to have their academic performance reviewed and may be placed on faculty probation for the next session attended or required to withdraw.

If the GPA is less than 3.0 on 4.5 units or more, the student will be required to withdraw from the faculty. If the GPA is less than 2.0, further sanctions will be imposed by the university.

Students registered in fewer than 4.5 units and whose sessional GPA is less than 4.0 but whose cumulative GPA is above 4.0 will be placed on faculty probation for the next session attended.

Students who are on faculty probation and achieve a sessional grade-point average of 4.0 or better on a minimum of 6 units will clear their probation status at the end of the session.

Students who fail to obtain a sessional GPA of at least 4.0 on a minimum of 6 units during the

probationary session will be required to withdraw from the faculty.

Re-admission: To re-enter the faculty, students must complete a minimum of 6 units of approved course work outside the Faculty of Education and meet the admission requirements prevailing at the time of their re-application. In programs with quotas, this may mean considerable course work will be necessary to raise the GPA sufficiently. In programs not subject to quotas, the application for readmission is subject to approval by the manager of teacher education programs.

Students who have been readmitted to an elementary teacher education program after having been required to withdraw and whose sessional GPA again falls below 4.0 will be required to withdraw from the program and the Faculty of Education for a period of five years.

An appeal process is available to address student concerns about the application of any of the above procedures. Please refer to 7.9.

Secondary Teacher Education Programs

Probationary Status: Students registered in fewer than 4.5 units and whose sessional GPA is less than 3.0 but whose cumulative GPA is above 3.0 will be placed on faculty probation for the next session attended.

Students who are on faculty probation and achieve a sessional grade-point average of 3.0 or better on a minimum of 6 units will clear their probation status at the end of the session.

Students who fail to obtain a sessional GPA of at least 3.0 on a minimum of 6 units during the probationary session will be required to withdraw from the faculty.

Requirement to Withdraw: Students whose sessional grade-point average is less than 3.0 on 4.5 units or more will be required to withdraw from the faculty. If the GPA is less than 2.0, further sanctions will be imposed by the university.

Re-admission: To re-enter the faculty, students must complete a minimum of 6 units of approved course work outside the Faculty of Education and meet the admission requirements prevailing at the time of their re-application. In programs with quotas, this may mean considerable course work will be necessary to raise the GPA sufficiently. In programs not subject to quotas, the application for readmission is subject to approval by the manager of teacher education programs.

Students who have been readmitted to a secondary teacher education program after having been required to withdraw and whose sessional GPA again falls below 3.0 will be required to withdraw from the program and the Faculty of Education for a period of five years.

An appeal process is available to address student concerns about the application of any of the above procedures. Please refer to 7.9.

Kinesiology and Recreation and Health Education Programs

Probationary Status: Students registered in fewer than 4.5 units and whose sessional GPA is less than 3.0 but whose cumulative GPA is above 3.0 will be placed on faculty probation for the next session attended.

Students who are on faculty probation and achieve a sessional grade-point average of 3.0 or better on a minimum of 6 units will clear their probation status at the end of the session.

Students who fail to obtain a sessional GPA of at least 3.0 on a minimum of 6 units during the probationary session will be required to withdraw from the faculty.

Requirement to Withdraw: Students whose sessional grade-point average is less than 3.0 on 4.5 units or more will be required to withdraw from the faculty. If the GPA is less than 2.0, further sanctions will be imposed by the university.

Recreation and Health Education students, or Kinesiology students taking the Co-operative Education Program, who do not obtain a sessional GPA of at least 3.5 will have their academic performance reviewed by the faculty and may be placed on faculty probation or required to withdraw.

Re-admission: To re-enter the faculty, students must complete a minimum of 6 units of approved course work outside the Faculty of Education and meet the admission requirements prevailing at the time of their re-application. In programs with quotas, this may mean considerable course work will be necessary to raise the GPA sufficiently.

Students who have been readmitted to Recreation and Health Education or Kinesiology after having been required to withdraw and whose sessional GPA again falls below 3.0 will be required to withdraw from the program and the Faculty of Education for a period of five years.

An appeal process is available to address student concerns about the application of any of the above procedures. Please refer to 7.9.

7.6 CURRENCY REQUIREMENT FOR DEGREE AND PROGRAM COMPLETION

The Faculty of Education reserves the right to impose currency requirements for degree/program completion. Course work more than 10 years old will be subject to a review to determine whether its content is outdated. Students whose course work is considered outdated by the manager of teacher education programs, in consultation with the departments or the school, or by the director of the School of Exercise Science, Physical and Health Education, will be required to replace or update the course work concerned.

7.7 DECLARING A PROGRAM

All undergraduate students registered in the faculty are required to make a commitment to a particular program. Students may request a record of degree program (CAPP) from a Faculty of Education academic adviser following admission to the faculty. The purpose of the CAPP report (Curriculum Advising and Program Planning) is to ensure that proposed courses will meet the requirements for the degree program selected.

CAPP reports will be based on current faculty regulations. All previously completed course work will be considered in relation to the student's choice of program and, in the case of students in a secondary teacher education program, teaching areas. The faculty reserves the right to review any program or course work that is deemed to be outdated.

Students may confirm program requirements with an academic adviser before registering in any session.

7.8 GRADUATION

7.8.1 Minimum Degree Requirements for Graduation

Students should refer to page 39 for the graduation regulations that apply to all UVic students. Students registered in a teacher education program should also refer to Section 9.5.

7.8.2 Standing at Graduation Graduating Average

The graduating average of a student in the Faculty of Education will be determined as the weighted average of the grade point values of the letter grades (other than COM) assigned to 300-, 400- and 700-level courses taken at the university and acceptable within the degree program.

7.9 APPEALS

Students should refer to the university regulations regarding appeals starting on page 40.

Academic Matters

The first level of appeal concerning a course is normally the instructor of the course; the second level is the director or chairperson of the academic unit concerned; and the third level is the dean of the faculty concerned.

Admission Decisions

Applicants who are denied admission to a program offered within the Faculty of Education, and who can prove extenuating circumstances, may submit a written request to have their application re-considered by the faculty appeals and adjudication committee (FAAC). Appeals addressed to this committee should be submitted to the kinesiology and recreation and health education programs adviser or to a teacher education program adviser as applicable.

Fee Reduction

The first level of appeal should be made to an academic adviser in the Faculty of Education. The adviser will determine the next step in the process; i.e., program manager, associate dean, chair, director or fee reduction appeals committee (FRAC).

Required Withdrawal from Program

A student whose sessional grade-point average falls below his/her program's minimum requirement and is required to withdraw from his/her program and the Faculty of Education may appeal to the manager of teacher education programs or the director of the School of Exercise Science, Physical and Health Education. Appeals of the manager's or director's decision are taken to the faculty appeals and adjudication committee (FAAC). Appeals of the FAAC decision are taken to the dean of the Faculty of Education.

8.0 Teacher Education Admissions

The specific admission requirements for the Bachelor of Education (Elementary Curriculum), Bachelor of Education Post-Degree Professional Program (Elementary), Bachelor of Education (Secondary Curriculum), Bachelor of Education Post-Degree Professional Program (Secondary) are given under each program's description.

Students should refer to the table on page 8 for application and document submission deadlines.

8.1 WRITTEN ENGLISH COMPETENCY REQUIREMENT

All students must satisfy the written English competency requirement prior to admission, except for students applying to the Bachelor of Education (Secondary Curriculum) Degree program, who must satisfy the written English competency requirement before acceptance into their professional year (5th year).

The requirement is normally satisfied in one of the following ways:

1. Completion of ENGL 115, 135, 215, 225, or 400 with a grade of 4.0 or better.
2. Completion of 3.0 units of approved English literature with a grade-point average of 4.0 or better. Notwithstanding, a student who receives a grade of 3.0 or less in any composition course will have his or her record individually reviewed by the manager of teacher education.
3. Completion of the English 115 Equivalency Test (EET) at a level of 4.0 or better.

Students who wish to have other work considered may appeal to the faculty appeals and adjudication committee (FAAC).

8.2 ACCEPTANCE DEPOSIT

An acceptance fee of \$150.00 is required from all students upon their acceptance of a place in a teacher education program. This fee will be credited towards student fees at the beginning of the program. A student who withdraws from the program at least 30 days before the start date of the program will be refunded \$100.00 of the acceptance deposit. A student who withdraws from the program within 30 days of the start date of the program will receive no refund.

8.3 TEACHER APPLICANTS

Qualified teachers, whose initial preparation led to teacher certification but not to an undergraduate degree, who now wish to complete a Bachelor of Education degree at the University of Victoria should consult an academic adviser.

Existing programs can be modified on the basis of previous university-level course work and experience. The manager of teacher education programs will determine what credit, from UVic or other institutions, may be applied to the degree program. Those whose studies commenced more than 10 years ago are also referred to Limitations of Credit for Certificated Teachers.

Applications must be made in the normal manner to UVic Undergraduate Admissions or Records.

8.4 CRIMINAL RECORD CHECK

While not a requirement for admission, students must complete a Criminal Record Check in compliance with the BC Criminal Record Review Act before they can be placed in a field experience. Students are responsible for providing authorization for the review to the Field Experience Office upon request. Students who do not complete the review will not be permitted to undertake field experience. Costs related to the review are the responsibility of the individual student. Contact the Field Experience Office for more information.

Students with criminal convictions are advised to contact the manager of field experience and the BC College of Teachers for clarification of their status before undertaking a teacher education program.

9.0 Teacher Education Program Regulations

9.1 GUIDELINES FOR PROFESSIONAL CONDUCT

Students in the faculty are expected to adhere to the Faculty of Education's Code of Professional Conduct as the basis of their relationship with peers, faculty members, teachers and the students they serve. In a field setting, students are subject to the provisions of the Faculty of Education's Code of Professional Conduct.

The Faculty of Education's Code of Professional Conduct includes, but is not limited to:

- The exercise of self-discipline, accountability and judgement in academic and professional relationships;
- Acceptance of personal responsibility for continued academic and professional competency and learning;
- Acceptance that one's professional abilities and personal integrity, and the attitudes one demonstrates in relationships with others, are measures of professional conduct;
- Ability to communicate effectively with members of faculty, peers, practising professionals, parents and students;
- Ability to write, speak and present well.

9.1.1 Unprofessional Conduct

Students enrolled in a teacher education program are responsible for understanding the provisions of the BC School Act, the BC Teachers' Federation's Code of Ethics (BCTF), as well as the Faculty of Education's Code of Professional Conduct. A student may be required to withdraw for violation of any part of these.

9.2 WITHDRAWAL FROM TEACHER EDUCATION

The Faculty of Education reserves the right at any time to require any student to withdraw from the faculty when, after consideration of scholarship and/or professional conduct, it concludes that the student is unsuited for the teaching profession.

- a) The faculty expects students to complete satisfactorily all required courses as evidence of scholarship.

- b) Students in the faculty are expected to adhere to the Faculty of Education's Code of Professional Conduct. Students should refer to 9.1.

The manager of teacher education programs and/or field experience shall notify a student whom he/she considers unsuitable for the profession; the managers will also make a recommendation to the associate dean of teacher education that the student be required to withdraw from the faculty.

The managers shall meet with the student and give reasons for the recommendation. The managers shall tell the student of the right of appeal to the faculty appeals and adjudication committee (FAAC). The appeal should be written and should be delivered to the manager of teacher education programs.

Upon appeal the FAAC shall give the student an opportunity to be heard. Before the hearing, the student shall be fully informed of the case against him/her, of the date, time and place of the meeting, and that they may wish to consult the UVSS Ombudsperson.

The FAAC, having heard from the student, shall then make the decision in a fair and unbiased manner. It may do any of the following:

- approve the recommendation for withdrawal
- deny the recommendation

Where it approves withdrawal, it shall inform the student of the right of an appeal to the associate dean of teacher education who shall make an independent decision.

If the student does not appeal after two weeks, the managers may forward the recommendation to the associate dean of teacher education.

Where the associate dean of teacher education denies the appeal he/she shall inform the student of the right of an appeal to the dean of the faculty.

Where the dean of the faculty denies the appeal he/she shall inform the student of the right of an appeal to the UVic senate.

9.3 PRACTICA REGULATIONS

9.3.1 General

Field experience, student teaching and seminars form an integral part of the elementary and secondary teacher education programs.

Students should be aware that all arrangements for field experience and student teaching are made through the Field Experience Office, located in the MacLaurin Building.

Through the Faculty of Education, the university reserves the right to approve any agency or school that provides placements for student practica, and to change any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any change in placement.

While the university accepts a responsibility to provide a sufficient number of practicum opportunities to serve the needs of all registered students, a student may be required to withdraw from a practicum course if none of the available practicum agencies will accept the student, or the student refuses to accept the assigned placement.

Students must successfully complete all required course work before they will be allowed to undertake a practicum. Students will be denied the

practicum experience if their preparatory work is considered unsatisfactory by the manager of field experience.

Students undertaking field experience must be prepared to travel. Extra expenses will be involved; students should budget accordingly.

9.3.2 Practica Dates

The dates of practica will be established for each program and will be announced to the students involved at the beginning of each term.

9.3.3 Attendance

Full-time attendance is required during a practicum. Students are expected to notify the school and their faculty supervisor whenever practicum appointments cannot be kept.

9.3.4 Unethical or Unprofessional Behaviour

Students should refer to the guidelines for Professional Conduct in 9.1.

Students in the Faculty of Education's teacher education programs are responsible for understanding the provisions of the BC School Act. Students who are placed in schools for teaching practica are required to observe the Faculty of Education's Code of Professional Conduct as well as the BC Teachers' Federation's (BCTF) Code of Ethics. A student may be required to withdraw from a practicum at any stage of the experience for violation of any part of these codes or upon a written order from the school principal or the board of school trustees of the district in which the student is placed.

Teachers or administrators who refuse a student's continued participation in a practicum for misconduct or repeated absences, or where the educational progress of the school students is in jeopardy, must immediately discuss the matter with the manager of field experience. The manager will then either inform the student of the conditions under which he or she may resume participation in the practicum or require the student to withdraw from the practicum and inform the student in writing of the reasons.

9.3.5 Practicum Denial and Withdrawal Practicum Denial Preprofessional

a) Practicum Denial

Students will be denied the practicum experience if their preparation in required course work and/or practicum planning is deemed unsatisfactory by their instructor(s) and/or the manager of field experience.

b) Required Withdrawal

Students may be required to withdraw from the practicum with a failing grade if their performance in the practicum or their practicum preparation is considered unsatisfactory by one of: course instructor, mentor teacher, supervisor, or the manager of field experience.

c) Voluntary Withdrawal

Students seeking voluntary withdrawal during a practicum, whether permanent or temporary, must receive permission to do so from the manager of field experience. Their request must be in writing and contain the reasons for the request. Students whose performance is deemed unsatisfactory at the time of withdrawal will receive a failing grade.

9.3.6 Readmission to a Practicum

Students who have withdrawn from a practicum for any reason who later wish to re-enter the practicum must apply in writing to the manager of field experience for readmission. Please note that readmission is not guaranteed.

A student who fails a practicum may be granted permission to re-take the practicum. If the student subsequently fails on the second attempt, he/she may be required to withdraw from the teacher education program and the Faculty of Education. A student will not normally be permitted to attempt the practicum a third time.

9.4 LIMITATIONS OF CREDIT FOR CERTIFICATED TEACHERS

Applicants for admission or acceptance in a degree program who have completed basic professional training may be granted up to 18 units of credit for that professional training towards the Bachelor of Education degree. This is granted at the discretion of the manager of teacher education programs, in consultation with the departments or school of the faculty.

All accepted candidates are referred to the regulation concerning currency of course work at 7.6.

Teachers who have not taken any courses applicable to their programs in the last 10 years must submit the following for consideration:

1. a resumé of all teaching experience including dates, locations and grade levels, and indicating whether full time, part time, or substitution. A resumé of teaching experience form is available at room A250, MacLaurin Building.
2. copies of the most recent superintendent's and/or principal's reports
3. letter(s) from principal(s) attesting to teaching effectiveness in substitution roles if applicable
4. a copy of their teaching certificate, as issued by the BC College of Teachers

9.5 GRADUATION REQUIREMENTS FOR BACHELOR OF EDUCATION DEGREE PROGRAMS

Students should refer to the university regulations concerning graduation on page 39.

To be eligible for a Bachelor of Education degree, the candidate must normally have earned:

1. a passing grade in each of the courses in the degree program
2. 21 units of courses at the 300 and 400 levels*

Elementary Programs

Candidates having completed an elementary program must have a grade-point average of at least 4.0 on each session. Failed courses will be counted in computing the grade-point average. COM grades will not.

Secondary Programs

Candidates having completed a secondary program must have a grade-point average of at least 4.0 in each of the teaching areas and a grade-point average of at least 3.0 on each session attempted. Failed courses will be counted in computing the grade-point average. COM grades will not.

** In exceptional cases, when candidates do not include enough 300- or 400-level courses to satisfy 21 units in the degree, the dean may approve the inclusion of courses at the 700 level.*

9.6 TEACHER CERTIFICATION

Students must fulfill all program requirements and meet minimum GPA program standards before they will be reported as eligible for certification.

9.6.1 The BC College of Teachers (BCTC)

Current legislation requires that every person appointed or retained as a teacher in a public school in British Columbia be a member of the College of Teachers and hold a valid certificate of qualification issued by the college.

It is the responsibility of the teacher to make application to the Registrar of the College of Teachers for initial certification, or for a change in certification, and to provide all necessary documents.

Credentials are issued only to qualified people who have established residence in British Columbia. Applicants who are otherwise eligible for certification but who are not Canadian citizens are required by the College of Teachers to provide evidence of landed immigrant status or to hold a valid work authorization to teach in Canada before they may be issued a BC teaching credential.

Persons convicted of a criminal offense and considering a teaching career should write to the BC College of Teachers for clarification of their status before undertaking a teacher education program.

9.6.2 The Teacher Qualification Service (TQS)

Salary categories for teachers are established by the Teacher Qualification Service upon application, and only when a BC teaching credential has already been granted by the College of Teachers. Categories are assigned on the basis of completed years of academic and professional preparation. Partial years are not considered.

9.6.3 Applications and Documentation

Application forms for the College of Teachers and the Teacher Qualification Service are available from Undergraduate Records or from the Field Experience Office, as well as directly from the agencies.

Transcripts in support of applications to these bodies should be ordered on the report application card available from Undergraduate Records.

10.0 Bachelor of Education (Elementary Curriculum)

10.1 GENERAL INFORMATION

This elementary degree program provides course work and practicum experience designed to produce a well-qualified elementary school teacher. The program has been designed as a coordinated, sequenced balance of course work, integrated school observations, and three practica experiences.

Students are eligible for a professional teaching certificate and the Bachelor of Education (BEd)

degree upon successful completion of this program.

10.1.1 Off-Campus Programs

East Kootenay Elementary Teacher Education Program

The Bachelor of Education (Elementary Curriculum) degree program is also offered at the College of the Rockies in Cranbrook, BC. Consult an academic adviser for more information.

Indigenous Language and Culture

This Bachelor of Education (Elementary Curriculum) degree program is also offered with an Indigenous Language and Culture focus in a variety of locations off-campus. It is available to students wishing to become certified Indigenous language teachers in BC public schools. Students completing the first three years of this program are eligible to apply to the BC College of Teachers for a Developmental Standard Term Certificate (DSTC). Students are able to continue towards completion of the Bachelor of Education degree. Consult the adviser in the Indigenous Education Office for more information.

At present this option is offered only in Campbell River for the languages of Kwak'waka/Liq'waka and the Coast Salish language of the Klahoose and Homolco and Sliammon peoples.

10.2 PROGRAM ADMISSION

Initial admission to the Bachelor of Education (Elementary Curriculum) degree program may be granted after completion of at least one year of university-level studies acceptable to the Faculty of Education.

10.2.1 Admission Requirements

The requirements for admission to the elementary program are:

1. admissibility to the university
2. at least 15 units of credit that include:
 - a. 3.0 units of approved English
 - b. 3.0 units of approved Canadian studies
 - c. 3.0 units of approved laboratory science
 - d. 3.0 units of approved mathematics with a minimum grade-point average of 3.0 (C+)
 - e. 3.0 units of approved introductory academic elective
3. demonstrated competency in written English (see 8.1)
4. a sessional grade-point average of at least 4.0 (B-) on the most recent session and, if that session is less than 12 units, a grade-point average of at least 4.0 on the most recent 12 units. Grades for duplicate course work taken during the most recent session are not normally included.
5. successful participation in an interview usually held in April may be required.

Additional information about the admission requirements can be found online at <www.educ.uvic.ca>.

All requirements for admission must be completed by April 30 and documented by May 31. Maximum enrolments have been established; therefore, the faculty cannot guarantee that all qualified candidates will be accepted. Accepted candidates will be notified as early as possible, but final acceptance may not be until late June.

Notes:

Approved courses include:

1. Two of ENGL 115 or 135, 146, 147.
2. Select from CS 102, ECON 100, HIST 130, 131, 132, POLI 101, 201, SOCI 103.
3. Select from ASTR 101, 102, BIOL 190A, 190B, EOS 110, 120 and PHYS 102. EOS 120 is recommended. Courses completed more than ten years ago are not normally accepted. Geography, human anatomy, kinesiology and physiology courses are not accepted.
4. Two of MATH 100 or 102, 101, 151, 161, 162, MATH 161 and 162 are recommended. A C+ average is required to demonstrate competency in mathematics. Courses completed more than ten years ago are not normally accepted.
5. Choose course work related to subjects taught in BC schools. For example, computer science, environmental studies, French, Indigenous Studies.

Consult an academic adviser if you have completed English, Canadian studies, laboratory science or mathematics courses other than those listed above.

10.2.2 Application and Document

Submission Deadlines

An application package is available online at <www.educ.uvic.ca> by mid-October. The application(s), applicable application fees, and all supporting documents must be received at Undergraduate Admissions and Records by January 2. Transcripts showing completion of course work taken in the January to April period must be received by May 31.

10.3 ELEMENTARY PROGRAM FORMATS

a) BEd (Elementary Curriculum)

Students admitted in 2007, 2008 and 2009 with at least 30 units of credit will follow this program format. Some modifications may be required. Students admitted with 15 units in 2009, and those admitted after 2009, will follow the program format outlined at 10.3 b.

Year One and Two

(at UVic or another recognized post-secondary institution)

Approved English.....	3.0
Approved Canadian studies.....	3.0
Approved mathematics.....	3.0
Approved laboratory science.....	3.0
Approved introductory academic electives.....	3.0
Approved introductory or senior electives.....	15.0
Total.....	30.0

Year Three

ED-D 301 Learners and Learning Environments	1.5
ED-P 250 Elementary Field Experience Seminar I.....	1.5
ED-P 251 Three-Week Elementary Practicum.....	1.5
EDCI 302 Literacy and Language in the Elementary School.....	1.5
EDCI 303 Historical & Philosophical Foundations of Canadian Education.....	1.5
EDCI 305A Drama Education: A Medium for Learning.....	1.5
EDCI 306A Music in the Elementary Classroom I.....	1.5

EDCI 307A Art in the Elementary Classroom I.....	1.5
EDCI 336 Information and Communication Technologies in Education.....	1.5
EPHE 310 Physical Education for General Classroom Teachers (A)	1.5
EPHE 311 Physical Education for General Classroom Teachers (B).....	1.5
Total.....	16.5

Year Four

ED-D 407 Evaluating and Reporting Student Progress	1.5
ED-D 408 Promoting Prosocial Behaviour	1.5
ED-D 420 Learning Support: Context and Key Issues.....	1.5
ED-P 350 Elementary Field Experience Seminar II	1.5
ED-P 351 Five-Week Elementary Practicum	1.5
One of EDCI 305B, 306B or 307B	1.5
EDCI 402 Reading: Instructional Principles and Strategies	1.5
EDCI 403 Curriculum and Instruction in Elementary Science.....	1.5
EDCI 404 Curriculum and Instruction in Elementary Social Studies	1.5
EDCI 405 Curriculum and Instruction in Elementary Mathematics.....	1.5
EDCI 457 English as a Second Language or	
EDCI 469 Teaching Oral French	1.5
Total.....	16.5

Year Five

ED-D 410 Teacher as Leader: The Professional Role	1.5
ED-P 451 Eight-Week Elementary Practicum.....	3.0
ED-P 490 Professional Development Inquiry Project	1.5
Education Electives.....	6.0
Total.....	12.0

Eligible for PROFESSIONAL CERTIFICATE
Total Units for Degree75.0

Notes:

1. Information about the approved English, Canadian studies, mathematics and laboratory science requirements can be found at 10.2.1.
2. MATH 360 and one of EDCI 371, 372 or 373 should be taken prior to admission to year three. Students admitted without these courses will take MATH 360 concurrent with year three courses and EDCI 373 concurrent with year four courses.

b) BEd (Elementary Curriculum)

Effective 2009, this program format will be taken by students admitted with at least 15 units of approved university-level course work.

Year One

(at UVic or another recognized post-secondary institution)

Approved English.....	3.0
Approved Canadian studies.....	3.0
Approved mathematics.....	3.0
Approved laboratory science.....	3.0
Approved introductory academic electives.....	3.0
Total.....	15.0

Year Two

ED-D 301 Learners and Learning Environments	1.5
ED-P 250 Elementary Field Experience Seminar I	1.5
ED-P 251 Three-Week Elementary Practicum	1.5
EDCI 302 Literacy and Language in the Elementary School	1.5
EDCI 303 Historical & Philosophical Foundations of Canadian Education	1.5
EDCI 305A Drama Education: A Medium for Learning	1.5
EDCI 306A Music in the Elementary Classroom I	1.5
EDCI 307A Art in the Elementary Classroom I	1.5
EDCI 336 Information and Communication Technologies in Education	1.5
EPHE 310 Physical Education for General Classroom Teachers (A)	1.5
EPHE 311 Physical Education for General Classroom Teachers (B)	1.5
MATH 360 Mathematics for Education and Liberal Arts	1.5
Total	18.0

Year Three

ED-D 407 Evaluating and Reporting Student Progress	1.5
ED-D 408 Promoting Prosocial Behaviour	1.5
ED-D 420 Learning Support: Context and Key Issues	1.5
ED-P 350 Elementary Field Experience Seminar II	1.5
ED-P 351 Five-Week Elementary Practicum	1.5
One of EDCI 305B, 306B or 307B	1.5
EDCI 402 Reading: Instructional Principles and Strategies	1.5
EDCI 403 Curriculum and Instruction in Elementary Science	1.5
EDCI 404 Curriculum and Instruction in Elementary Social Studies	1.5
EDCI 405 Curriculum and Instruction in Elementary Mathematics	1.5
EDCI 457 English as a Second Language or EDCI 469 Teaching Oral French	1.5
Total	16.5

Year Four

ED-D 410 Teacher as Leader: The Professional Role	1.5
ED-P 451 Eight-Week Elementary Practicum	3.0
ED-P 490 Professional Development Inquiry Project	1.5
EDCI 373 EI TELNIWIT and Aboriginal Education	1.5
Education Electives	4.5
Total	12.0

Eligible for PROFESSIONAL CERTIFICATE
Total Units for Degree **61.5**

Note: Information about the approved English, Canadian studies, mathematics and laboratory science requirements can be found at 10.2.1.

c) BEd (Elementary Curriculum) Aboriginal Language & Culture

This option is currently only available to students preparing to qualify for the BC College of

Teachers Developmental Standard Term Certificate in teaching Aboriginal Language and Culture in BC public schools.

This program is delivered in a variety of off-campus locations and may be taken on a part-time basis.

Year One

Two of English (115 or 135), 125 or 145 (or other approved English)	3.0
EDCI 302 Literacy & Language in the Elementary School	1.5
ED-P 200 School Experience Seminar & 3-Week Practicum) or ED-P 250 (School Experience) and 251 (Practicum)	1.0-3.0
LING 159 First Nations Language I	1.5
LING 159 First Nations Language I	1.5
LING 359 First Nations Language III	1.5
LING 359 First Nations Language III	1.5
LING 359 First Nations Language III	1.5
Total	14.5-16.5

Eligible for BC College of Teachers First Nations Language Certificate upon completion of all LING 159 and 359 courses.

Year Two

Approved Canadian Studies	1.5
EDCI 372 / IS 372 Indigenous Epistemologies	1.5
ED-D 301 Learners & Learning Environments	1.5
ED-D 408 Promoting Prosocial Behaviour	1.5
LING 180 Language Revitalization Principles & Practice	3.0
LING 181 Introductory Linguistics for Language Revitalization	1.5
LING 182 Language Learning & Teaching in Situations of Language Loss	1.5
LING 401 Salish or LING 405 Wakashan	1.5
LING 461 Linguistic Field Methods	1.5
Total	15.0

Eligible for UVic's Certificate in Aboriginal Language Revitalization upon completion of LING 180, 181, 182, 401/405, and 461.

Year Three

EDCI 305A Drama Education – A Medium for Learning I	1.5
EDCI 371 / IS 371 The History of First Nations Education in Canada	1.5
EDCI 336 Information and Communication Technologies in Education	1.5
EDCI 487 Special Topics: Immersion Language Teaching	1.5
ED-P 350 Field Experience Seminar	1.5
ED-P 351 Five-Week Elementary Practicum	1.5
IS 400 Special Topics Seminar in Indigenous Studies	1.5
LING 459 First Nations Language IV	1.5
LING 459 First Nations Language IV	1.5
Approved mathematics or approved elective ¹	1.5
Approved laboratory science or approved electives ²	1.5
Total	16.5

Eligible for BC College of Teachers Developmental Standard Term Certificate upon completion of year three.

Notes.

1. At least 1.5 units of mathematics needed for entry to year four.

2. At least 1.5 units of laboratory science needed for entry to year four.

The formats of years four and five are assessed on an individual basis due to the distance delivery of this program

11.0 Bachelor of Education Post-Degree Professional Program (Elementary)

11.1 GENERAL INFORMATION

This second degree program provides course work and practicum experience designed to produce a well-qualified elementary school teacher. The program has been designed as a co-ordinated, sequenced balance of course work and integrated school observational and practica experiences. In addition to school visits, there is a five-week practicum at the end of the first year and an eight-week practicum in the final term.

The program is designed to be taken over four terms. Normally this takes place over 16 months.

Students are eligible for a BC teaching certificate and the Bachelor of Education (BEd) degree upon successful completion of this program.

11.1.1 Off-Campus Program

East Kootenay Elementary Teacher Education Program

Subject to enrolment, the Bachelor of Education Post-Degree Professional Program (Elementary) is also offered at the College of the Rockies in Cranbrook, BC.

The off-campus program is offered on a part-time basis and typically takes two to three years to complete.

Students interested in the East Kootenay Elementary Teacher Education Program should contact an academic adviser in the Faculty of Education for more information.

11.2 PROGRAM ADMISSION

Initial admission to the Bachelor of Education Post-Degree Professional Program (Elementary) may be granted only after completion of an undergraduate degree at an accredited university and 3.0 units of approved course work in each of English, Canadian studies, laboratory science and mathematics.

Additional information about the admission requirements can be found online at <www.educ.uvic.ca>.

11.2.1 Admission Requirements

The requirements for admission to this program are:

1. admissibility to the university
2. a degree from an accredited university
3. 3.0 units of approved English¹
4. demonstrated competency in written English
5. 3.0 units of approved Canadian studies²
6. 3.0 units of approved mathematics with a minimum grade-point average of 3.0 (C+)³
7. 3.0 units of approved laboratory science⁴

8. a sessional grade-point average of at least 4.0 (UVic B-) on the most recent session (if that session is less than 12 units, a grade-point average of at least 4.0 on the most recent 12 units) and on the most recent two years (30 units) attempted to December 31. Grades for duplicate course work are not normally included.
9. Successful participation in an interview normally held in April.

Additional information about the admission requirements can be found online at www.educ.uvic.ca.

All requirements for admission must be completed by April 30 and documented by May 31.

Students of exceptional ability who do not meet the stated admission requirements may appeal to the faculty appeals and adjudication committee (FAAC) for consideration. "Exceptional" may be considered in terms of high grade-point average, relevant work experience, or unique academic qualifications.

Maximum enrolments have been established; therefore the faculty cannot guarantee that all qualified candidates will be accepted. Accepted candidates will be notified as early as possible, but final acceptance may not be until late June.

Notes:

Consult an academic adviser if you have completed English, Canadian studies, mathematics and laboratory science courses other than those listed here. Mathematics and laboratory science courses completed more than ten years ago are not normally accepted.

1. Approved courses include ENGL 115 or 135, 146, 147. At least 1.5 units of literature must be included. BC College of Teachers regulations do not allow us to accept creative writing, journalism or technical writing courses. The faculty requires students to demonstrate competency in written English. For full information, see 8.1.
2. Acceptable courses include CS 102, ECON 100, HIST 130, 131, 132, POLI 101, 201, SOCI 103.
3. Acceptable courses include MATH 100 or 102, 101, 151, 161, 162. MATH 161 and 162 are recommended. A C+ average is required to demonstrate competency in mathematics.
4. Acceptable courses include ASTR 101, 102, BIOL 190A, 190B, EOS 110, 120 and PHYS 102. EOS 120 is recommended. Other science courses, with an average of at least 1 1/2 lab hours each week, may also be accepted. Geography (including physical geography), human anatomy, kinesiology and physiology courses are not accepted.

11.2.2 Application and Document Submission Deadlines

An application package is available online at www.educ.uvic.ca by mid-October. The application(s), applicable application fees and all supporting documents must be received at Undergraduate Admissions and Records by January 2. Transcripts showing completion of course work taken in the January to April period must be received by May 31.

11.2.3 Conditional Offers of Admission

Students offered admission prior to April 30 who drop required courses or whose grade-point average during the January to April term subsequently drops below the minimum will lose their eligibility and the offer will be withdrawn.

11.3 PROGRAM FORMAT

BEd Post-Degree Professional Program (Elementary)

This program is designed to be taken over 16 consecutive months: normally September to December; January to May; July and August; and September to December.

Terms One and Two

ED-D 301 Learners and Learning Environments	1.5
ED-P 360 Elementary Field Experience Seminar	1.5
ED-P 361 Five-Week Elementary Practicum ...	1.5
EDCI 302 Literacy and Language in the Elementary School	1.5
EDCI 303 Historical and Philosophical Foundations of Canadian Education	1.5
One Fine Arts Education: EDCI 305A, 306A, or 307A	1.5
EDCI 336 Information and Communication Technologies in Education	1.5
EDCI 373 EI TELNIWT and Aboriginal Education	1.5
EDCI 403 Curriculum and Instruction in Elementary Science	1.5
EDCI 405 Curriculum and Instruction in Elementary Mathematics	1.5
EPHE 312 Overview of Elementary School Physical Education	1.5
Total	16.5

Terms Three and Four

ED-D 407 Evaluating and Reporting Student Progress	1.5
ED-D 408 Promoting Prosocial Behaviour	1.5
ED-D 410 Teacher as Leader: The Professional Role	1.5
ED-D 420 Learning Support: Context & Key Issues	1.5
ED-P 461 Eight-Week Elementary Practicum	3.0
ED-P 490 Professional Development Inquiry Project	1.5
EDCI 402 Reading: Instructional Principles and Strategies	1.5
EDCI 404 Curriculum and Instruction in Elementary Social Studies	1.5
Total	13.5
Eligible for CERTIFICATION and DEGREE	
Total Units for Degree	30.0

12.0 Bachelor of Education (Secondary Curriculum)

12.1 GENERAL INFORMATION

This is a five-year program for students who wish to teach art, music or physical education in a secondary school.

Students preparing to teach art may enter this program in year two or may first complete a degree in visual arts before applying for the Bachelor of Education Post-Degree Professional Program (Secondary). Refer to 13.0 for information about the secondary PDPP.

Students preparing to teach music may enter this program in year two or may first complete a music degree before entering a teacher educa-

tion program. Students preparing to teach music normally complete the Bachelor of Music (Secondary Music Education) degree within the Faculty of Fine Arts before applying for the secondary PDPP. Refer to 13.0 for information about the secondary PDPP and to page 109 for information about the Bachelor of Music degree.

Students preparing to teach physical education may enter this program in year two. This is the only program available to prospective secondary physical education teachers.

Those who wish to teach other subjects will take a degree in another faculty and apply for the Bachelor of Education Post-Degree Professional Program (Secondary). Information about the secondary PDPP can be found at 13.0.

12.1.1 Program Details

The first four years of the program are mainly concerned with academic preparation in the teaching subjects. The fifth year, professional year, prepares students for teaching these subjects.

Students are eligible for a professional teaching certificate and the BEd degree upon successful completion of this program.

Teaching Areas

Art

Students may take art as a single teaching area (expanded art) or in combination with another approved teaching area.

Music

Students may take music as a single teaching area (music expanded) or may take choral music or instrumental music in combination with another approved teaching area.

Physical Education

Physical education must be taken in combination with an approved second teaching area. Neither German nor theatre/drama in education may be taken in combination with physical education.

12.2 PROGRAM ADMISSION

Initial admission to this program may be granted only after completion of at least one year of university-level studies acceptable to the Faculty of Education and acceptance into at least one of the teaching areas of art, music or physical education.

12.2.1 Admission Requirements

Art Teaching Area

The requirements for admission to the secondary program with an art teaching area are:

1. admissibility to the university
2. at least 12 units of credit that include
 - a. 3.0 units from ENGL 115 or 135, 146, 147
 - b. AE 103 with a minimum grade point of 5.0 (UVic B)
3. a sessional grade-point average of at least 3.0 on the most recent session and, if that session is less than 12 units, a grade-point average of at least 3.0 on the most recent 12 units.
4. Approval of the Department of Curriculum and Instruction following an interview with the faculty art education adviser conducted in conjunction with student participation in AE 103.

Music Teaching Area

The requirements for admission to the secondary program with a music teaching area are:

1. admissibility to the university
2. at least 12 units of credit that include
 - a. 3.0 units from ENGL 115 or 135, 146, 147
 - b. ME 101 with a minimum grade point of 5.0 (UVic B)
3. a sessional grade-point average of at least 3.0 on the most recent session and, if that session is less than 12 units, a grade-point average of at least 3.0 on the most recent 12 units.
4. Approval of the Department of Curriculum and Instruction following a successful interview with music education faculty members. Interviews are normally held in March.

Physical Education Teaching Area

The requirements for admission to the secondary program with a physical education teaching area are:

1. admissibility to the university
2. at least 12 units of credit that include
 - a. 3.0 units from ENGL 115 or 135, 146, 147
 - b. EPHE 141
 - c. EPHE 143
3. a sessional grade-point average of at least 3.0 on the most recent session and, if that session is less than 12 units, a grade-point average of at least 3.0 on the most recent 12 units.
4. Approval of the School of Exercise Science, Physical and Health Education. Note that an admission score, based 30% on an interview and 70% on GPA, is used when admitting students to this teaching area.

All requirements for admission must be completed by April 30 and documented by May 31.

Maximum enrolments have been established for each of the teaching areas of art, music or physical education; therefore, the faculty cannot guarantee that all qualified candidates will be accepted. Accepted candidates will be notified as early as possible, but final acceptance may not be until mid-June. Students are selected for entry into the program for the following September.

12.2.2 Application and Document Submission Deadlines

New UVic applicants will apply online using the University of Victoria Undergraduate Admissions Application. The application must be submitted to Undergraduate Admissions no later than January 31. Students should refer to information about undergraduate admissions starting on page 21.

Continuing and returning UVic applicants will apply online using the Undergraduate Re-registration Application. This application must be submitted to Undergraduate Records no later than January 31.

Students applying for a physical education teaching area should also refer to the School of Exercise Science, Physical and Health Education's website for application instructions. <<http://www.educ.uvic.ca/phed/>>

12.3 SECONDARY PROGRAM REQUIREMENTS AND FORMAT

Students normally attend this program over five winter sessions. The first year may be taken at

UVic in another faculty or at another post-secondary institution. Students planning to take course work elsewhere should consult an education adviser to ensure that courses taken will carry credit to this program.

Years One to Four

During the first four years, students will take course work related to their teaching areas. Students will also take a two-week school-based practicum.

ENGL 115 or 135, 146, 147	3.0
ED-D 401	1.5
ED-D 406	1.5
EDCI 373	1.5
ED-P 498	1.5
Approved academic elective	3.0
Teaching area(s) ¹ and electives	48.0
Professional year (year five) ²	15.0
Total units for degree	75.0

1. Students must achieve a grade-point average of at least 4.00 (UVic B-) on all upper-level course work required for their teaching areas. Refer to regulation 12.3.2 professional year admission requirements.

2. Professional year admission requirements are specified in 12.3.2.

12.3.1 Art, Music and Physical Education Area Requirements

Art

Students choosing to combine art with a second teaching area will take the 21.0 units of course work listed below; at least 16.5 - 27.0 units of course work for a second teaching area as specified; and 0 - 10.5 units of elective.

Corequisite:

3 units from ENGL 200A, 200B, 200C, 201, 202, 203, 250, HA 120

Area:

AE 103	3.0
AE 200	1.5
AE 201	1.5
AE 303 or 309	3.0 or 1.5
AE 315	1.5
AE 316 or 317	1.5
Courses chosen from: AE 205, 208, 305, 306, 307, 308, 310, 316, 317, 319, 401, any 402	6.0 or 7.5

Expanded Art

Students choosing to take art as a single teaching area will take the 37.5 units of course work listed below and 10.5 units of elective.

Corequisite:

3 units from ENGL 200A, 200B, 200C, 201, 202, 203, 250, HA 120

Area:

AE 103	3.0
AE 200	1.5
AE 201	1.5
AE 303 or 309	3.0 or 1.5
AE 315	1.5
AE 316 or 317	1.5
Courses chosen from: AE 205, 208, 305, 306, 307, 308, 310, 316, 317, 319, 401, any 402	6.0 or 7.5

Approved art education7.5
Approved upper-level art or history in art9.0
Upper-level visual arts courses may be substituted in the area with the approval of the art adviser.

Up to 3 units of additional work may be required if a student's background is considered to be inadequate for teaching art in the public school system.

Not all art education courses can be offered each year. Students may complete courses in a sequence of their own choice since there are no prerequisites. Students should consult with the art adviser.

Music (Choral)

Students choosing choral music will take the 29.5 units of course work listed below; at least 16.5 - 18.5 units of course work for a second teaching area as specified; and 0 - 1.5 units of elective. Note that several of the approved teaching areas require more than 18.5 units of course work.

Area:

ME 101	1.5
ME 201	1.5
ME 207	1.5
ME 209A	1.5
ME 209B	1.5
ME 303A or 308	1.5
ME 307	1.5
ME 309A	1.0
ME 309B	1.0
ME 407	1.5
ME 409	1.5
MUS 101A, 101B, 170A, 170B	4.0
MUS 120A and one of 120B, 220A, 220B	3.0
MUS 356A and 356B	3.0
Four of MUS 180, 280, 380, 480; 181, 281, 381, 481; MUS 188, 288, 388, 488	4.0

Music (Instrumental)

Students choosing instrumental music will take the 29.5 units of course work listed below; at least 16.5 - 18.5 units of course work for a second teaching area as specified; and 0 - 1.5 units of elective. Note that several of the approved teaching areas require more than 18.5 units of course work.

Area:

ME 101	1.5
ME 201	1.5
ME 207	1.5
ME 209A	1.5
ME 209B	1.5
ME 307	1.5
ME309A	1.0
ME 309B	1.0
ME 407	1.5
ME 409	1.5
MUS 101A, 101B, 170A, 170B	4.0
Three of MUS 331, 332, 333	4.5
MUS 356A and 356B	3.0
Four of MUS 180, 280, 380, 480; ME 180 (at least two units must be ME 180)	4.0

Music (Expanded)

Students choosing to take music as a single teaching area will take 36.5 units of music and music education course work listed below; 7.5 units of course work towards an approved second teaching area; and 4.0 units of elective.

Area:	
ME 101	1.5
ME 201	1.5
ME 207	1.5
ME 209A	1.5
ME 209B	1.5
ME 307	1.5
ME309A	1.0
ME 309B	1.0
ME 407	1.5
ME 409	1.5
MUS 101A, 101B, 170A, 170B	4.0
MUS 120A and one of 120B, 220A, 220B	3.0
MUS 201A and 201B	3.0
MUS 270A and 270B	1.0
MUS 331	1.5
MUS 332	1.5
MUS 333	1.5
MUS 356A and 356B	3.0
Four of MUS 180, 280, 380, 480; ME 180 (at least two units must be ME 180)	4.0
As noted above, students choosing the expanded teaching area in music education will be re- quired to complete, in addition, at least 7.5 units not including corequisites, towards an approved teaching area, with a grade-point average of 4.0 (UVic B-).	

Physical Education**

Students choosing a physical education teaching area must combine it with a second approved teaching area. Physical education may not be combined with German or theatre. Students will take the 27.0 units of EPHE course work listed here; at least 16.5 – 21.0 units of course work for a second teaching area as specified; and 0 – 4.5 units of elective. Note that two of the approved teaching areas require more than 21.0 units of course work. The recommended sequence of EPHE courses can be found at 15.1.

Area:	
EPHE 106, 107, 120 and 122	2.0
One of EPHE 109 or 114	0.5
One of EPHE 116 or 117	0.5
One of EPHE 121, 123, 124, 125	0.5
Two of EPHE 113, 119, 126, 134, 135	1.0
Two courses from EPHE 104-136*	1.0
EPHE 141	1.5
EPHE 143	1.5
EPHE 201	1.5
EPHE 241B	1.5
EPHE 245	1.5
EPHE 246	1.5
EPHE 344	1.5
EPHE 346	1.5
EPHE 352	1.5
EPHE 360	1.5
EPHE 361	1.5
EPHE 443	1.5
EPHE 452	1.5

One of EPHE 461 A-M	0.5
One of EPHE 341, 342, 347, 348, 351, 355, 357, 441, 445, 449, 455	1.5
<i>* Students must possess their Bronze Medallion Certificate or take EPHE 105.</i>	

*** Students should note that each skill performance and analysis course (EPHE 104-136) is scheduled for 24 hours of instruction. Students should also refer to Credit for Skill Performance and Analysis Courses.*

Approved Second Teaching Areas Requirements

The teaching areas must be taken in conjunction with art, music or physical education.

Art

Restricted admission; see section 12.2. The course work required for this teaching area is listed at the beginning of this section (12.5.2).

Biological Sciences

This teaching area requires 6.0 units of corequisite course work and 15.0 units of area course work for a total of 21.0 units.

Corequisites:	
CHEM 101	1.5
CHEM 102	1.5
CHEM 231	1.5
MATH 100 or other approved math	1.5

Area:	
BIOC 299	1.5
BIOL 190A	1.5
BIOL 190B	1.5
BIOL 215	1.5
BIOL 225	1.5
BIOL 230	1.5
BIOL 365	1.5
BIOL 366	1.5
BIOL 400	1.5
Approved upper-level biology	1.5

It is assumed that all applicants for this area will have completed BIOL 11 and 12; if not, BIOL 150A and B must be taken in addition to the above.

Chemistry

This teaching area requires 3.0 units of corequisite course work and 15.0 units of area course work for a total of 18.0 units.

Corequisites:	
MATH 100	1.5
MATH 101	1.5

Area:	
CHEM 101	1.5
CHEM 102	1.5
CHEM 222	1.5
CHEM 231	1.5
CHEM 235	1.5
CHEM 245	1.5
Approved upper-level chemistry courses*	6.0
<i>* MATH 200 is prerequisite to some upper-level courses.</i>	

English

This is a 15 unit teaching area.

Area:

200-, 300-, or 400-level writing: May choose from ENGL 215, 225, 301, 302, 400 or other approved courses	3.0
Upper-level Shakespeare: May choose from ENGL 360, 366B, 366C, 366D, 366E	1.5
Upper-level literature in English before 1900*	3.0
Upper-level literature in English after 1900*	3.0
Lower or upper-level Canadian literature	3.0
Adolescent literature: May choose from EDCI 353A or 353B or another course approved by the language and literacy adviser	1.5
<i>*May not be Canadian literature.</i>	

French

This teaching area requires 16.5 units of course work.

Area:

FRAN 180	3.0
FRAN 200	1.5
FRAN 220	1.5
FRAN 275	1.5
FRAN 280	1.5
FRAN 290	1.5
FRAN 350	1.5
FRAN 375	1.5
Approved Senior French*	3.0

**FRAN 385 and higher are approved. Recommended are FRAN 385, 395, 402, 403, 416, 440.*

Depending on student's background in French, additional courses may be required to meet the French departmental prerequisites.

Students should note that an oral competency examination in French (or completion of FRAN 350 with a minimum grade of A-) is required before admission to the professional year. This exam must be completed to the satisfaction of the Faculty of Education, or admission to professional year will be denied.

Geography

see Social Studies (Geography Emphasis)

German

This teaching area requires 3.0 units of corequisite course work and 15.0 units of area course work for a total of 18.0 units. This area may NOT be taken in combination with physical education.

Corequisite:

Literature course at the 200-level or higher in any language other than German3.0

Area:

GER 100A, 100B, 200, or other approved 200-level courses	6.0
GERS 254	1.5
GERS 261	1.5
GER 300 level language courses	3.0
GER 400 level language courses	3.0

Students should note that an oral competency examination in German is required before admission to the professional year. This exam must be completed to the satisfaction of the Faculty of Education, or admission to professional year will be denied.

History

see Social Studies (History Emphasis)

Mathematics

This teaching area requires 16.5 units of course work.

Area:

MATH 100	1.5
MATH 101	1.5
MATH 122	1.5
MATH 233A or 211	1.5
MATH 233C or 212	1.5
MATH 362	1.5
MATH 368A or 366	1.5
One of STAT 252, 255, 260	1.5
One of STAT 256, 261	1.5
Two of CSC 110, 115, 212	3.0

In addition to the 16.5 units listed above, MATH 311 and 312 (or 333A and 333C) are recommended.

Music (Choral)

Restricted admission; see section 10.2. The course work required for this teaching area is listed at the beginning of this section.

Music (Instrumental)

Restricted admission; see section 12.2. The course work required for this teaching area is listed at the beginning of this section (12.5.2).

Physical Education**

Restricted admission; see section 12.2. The course work required for this teaching area is listed at the beginning of this section (12.5.2).

Physics

This teaching area requires 10.5 units of corequisite course work and 12 units of area course work for a total of 22.5 units.

Corequisites:

HIST 260 or PHIL 220	1.5
MATH 100 and 101	3.0
MATH 200 and 201	3.0
MATH 300	1.5
One of MATH 323, 325, 342	1.5

Area:

Phys 112 or (120 and 130)	3.0
Phys 214, 215 and 216	4.5
Phys 317, 325 and 326	4.5

Changes to this teaching area are expected over the next three years. Consult an academic adviser each year to confirm teaching area requirements.

Social Studies (with Geography Emphasis)

This teaching area requires 1.5 units of corequisite course work and 16.5 units of area course work for a total of 18.0 units¹.

Corequisite:

Canadian History (any level) ¹	1.5
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Area:

GEOG 101A	1.5
GEOG 101B	1.5
200 level GEOG	3.0
Upper-level GEOG	6.0

Upper-level work chosen from any of the following: economics, environmental studies, history, Native studies, political science, regional studies (e.g. Pacific and Asian studies), sociology, urban studies and/or women's studies²

1. *Acceptable Canadian History courses include HIST 131, 132, 343A, 345, 358A, 358D. An upper-level Canadian history course can also be used towards the 4.5 unit humanities/social science requirement reducing the teaching area to 16.5 units.*
2. *Or a course from another discipline approved by the faculty's social studies adviser.*

Social Studies (with History Emphasis)

This teaching area requires 1.5 units of corequisite course work and 16.5 units of area course work for a total of 18.0 units¹.

Corequisite:

Geography (any level) ¹	1.5
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Area:

History (any level)	4.5
Upper-level history	6.0

Upper-level work chosen from any of the following: economics, environmental studies, geography, Native studies, political science, regional studies (e.g. Pacific and Asian Studies) sociology, urban studies and/or women's studies¹

Note: At least 1.5 units of Canadian history must be included.

1. *An upper-level geography course can also be used towards the 6-unit humanities/social science requirement reducing the teaching area to 16.5 units.*
2. *Or a course from another discipline approved by the faculty social studies adviser.*

Theatre/Drama in Education

This teaching area requires 3.0 units of corequisite course work and 16.5 units of area course work for a total of 19.5 units. This area may NOT be taken in combination with physical education.

Corequisites:

EDCI 353A and 353B	3.0
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Area:

THEA 101	3.0
THEA 120	3.0
THEA 132	3.0
THEA 331	1.5
THEA 332	1.5
THEA 335	3.0
EDCI 487 (theatre, drama)	1.5

The drama institute EDCI 487 is offered in summer session.

Students must obtain permission to take THEA 335 from the theatre department.

12.3.2 Professional Year

Starting in September, students will take courses on-campus that are directly related to their professional preparation. Normally, all courses required for this year are taken as a co-ordinated program during one full winter session. Because of the professional involvement off-campus during this year, students are not normally permitted to take courses in addition to those specified. Any exceptions must be approved by the manager of teacher education programs. A two-week directed observation period takes place in

October. During January students will observe classes in their assigned school. With the start of the school's second semester students will begin a 12-week practicum. This practicum will conclude during the first week of May.

The practicum is a mandatory part of this program. While some school placements will be in the three local school districts of Greater Victoria, Saanich and Sooke, some students will be required to take their practicum in other specified school districts in BC.

Professional Year Admission Requirements

The requirements for admission are:

1. All courses specified for years one through four of the program must be complete.
2. Candidates presenting a second language teaching area must pass an oral competency examination.
3. Successful completion of the faculty's written English competency requirement. Students should refer to 8.1.
4. The candidate must have obtained either:
 - a grade-point average of at least 4.0 (UVic B-) on the upper-level courses of each of the two teaching areas, including prerequisites and corequisites (Note: where fewer than 9 units of upper-level work has been completed in any one area, the grade-point average will be calculated on the upper-level courses plus one or more of the 200-level courses in that area, to a total of 9 units); or
 - a grade-point average of at least 4.0 (UVic B-) on the upper-level courses of any single expanded teaching area (Note: where fewer than 18 units of upper-level work have been completed in the area, the calculation will include area courses at the 200-level to a total of 18 units) and if the area is music expanded, a grade-point average of at least 4.0 is required on the 7.5 units of other area work.
5. A grade-point average of at least 3.0 (UVic C+) must have been obtained on:
 - the most recently completed session; and
 - the most recent two years of at least 30 units

Normally all of the above requirements must be complete by April 30 of the year in which an applicant wishes to begin the professional year. Any applicants unable to meet this deadline who wish to complete course requirements during the summer session must apply to the manager of teacher education programs, indicating why they believe their circumstances to be unusual, and requesting permission to be considered for admission on the basis of the results of their work during the summer period.

Applicants for the professional year should be aware that the Faculty of Education has maximum enrollment limits and that therefore all qualified applicants are not guaranteed acceptance. Applicants will be notified regarding their admissibility as soon as possible.

Details regarding start and end dates are available on the Faculty of Education's website at <www.educ.uvic.ca>.

Professional Year Application and Document Submission Deadlines

An application is available online at <www.educ.uvic.ca> normally by the end of September. The application must be completed

and submitted to Undergraduate Records no later than January 2.

Students taking course work elsewhere during the September to December term must submit official transcripts, showing final grades to December 31, to Undergraduate Records no later than January 31. Students taking course work elsewhere during the January to April term must submit official transcripts, showing final grades to April 30, to Undergraduate Records no later than May 31.

Year Five Professional Year Courses

ED-D 420	1.5
ED-D 430	1.5
ED-P 780	1.5
ED-P 798	3.0
EDCI 352	1.5
EDCI 431, 432 or 434	1.5
EDCI 706 or EDCI 761 or EPHE 764	1.5
ED-D 337A or ED-D 337C	1.5
Approved second area curriculum and instruction course or approved education elective ¹	1.5

1. Students with Expanded Art or Music Expanded teaching areas will take an approved education elective.

Eligible for professional teaching certificate and Bachelor of Education degree.

13.0 Bachelor of Education Post-Degree Professional Program (Secondary)

13.1 GENERAL INFORMATION

Upon satisfactory completion¹ of 24.0 units, in three terms over a 16-month period, the student will be eligible to apply to the BC College of Teachers for a teaching certificate. Students wishing to obtain a Bachelor of Education degree must complete an additional specified 6.0 units of course work. This course work may be in the form of a specialty certificate² of no fewer than 6.0 units in areas relevant to the secondary curriculum.

Completion of the Bachelor of Education degree is optional. Students may complete the course work needed for the B. Ed. within a ten year period from first entering the program.

Specialty certificates provide a variety of upgrading options. They provide additional professional preparation on focused topics, they can be applied towards teacher salary upgrades or, if certain criteria are met, can be used towards a Masters of Education degree at UVic. Additional information about the specialty certificates can be found online at <www.educ.uvic.ca>.

Music Option

Students admitted with a music teaching area will take 15 units of specified education course work over two academic terms to qualify for a BC teaching certificate.

Notes

1. Satisfactory completion means achieving a grade-point average of at least 3.00 (UVic C+) on the 24.0 units required for teacher certification.
2. Pending Senate approval of specialty certificates. If needed, 6 units of education electives will

be substituted for the specialty certificate for those wishing to complete the BEd.

13.1.1 Program Details

Because of the professional demands of this program, students are not normally permitted to take courses in addition to those specified. Normally, all specified course work must be taken in the order assigned. The practicum may be denied or delayed if the requisite course work is not completed.

13.2 PROGRAM ADMISSION

Initial admission to the secondary post-degree professional program may be granted only after completion of an undergraduate degree and academic preparation in two teaching concentrations or in one teaching major.

Additional information about the admission requirements can be found online at <www.educ.uvic.ca>.

There is a quota on each of the teaching subject areas of this program.

13.2.1 Admission Requirements

The requirements for admission to the secondary post-degree professional program are:

1. a degree from an accredited university
2. a sessional grade-point average of at least 3.0 on the most recent session, and, if that session is less than 12 units, a grade-point average of at least 3.0 on the most recent 12 units, and on the most recent two years (30 units) (to December 31)
3. three units of approved English
4. demonstration of written English competency; for full information see 8.1.
5. academic preparation in two teaching concentrations or in one teaching major listed below.
6. successful participation in an interview normally held in April. Note: Students applying to the Music option are exempt from this interview. These students have already participated in two interviews: one for admission to the School of Music and one for acceptance to the major in music education (secondary) program.

CONCENTRATION: Normally, 9 units (18 semester hours) of approved upper-level credit with a minimum B- average (UVic 4.0). Some concentrations require fewer than 9 units of upper-level credit.

MAJOR: Normally, 15 units (30 semester hours) of approved upper-level credit with a minimum B- average (UVic 4.0). Some majors require fewer than 15.0 units of upper-level credit. Information and Communication Technology Integration, theatre and second languages other than French are not available as teaching majors and may not be combined with one another.

Teaching subject areas

Students with any one of the following teaching subjects: German, Information and Communication Technology Integration, Japanese, Mandarin, Russian, Spanish or Theatre must meet the requirements for a second approved teaching concentration from outside this list.

Additional information about the course work required for the teaching areas described below

can be found on the Faculty of Education web site (www.educ.uvic.ca).

a) Art: Major or Concentration

Content is approved by the faculty adviser.

b) Biology: Major or Concentration

- 1.5 units approved mathematics or logic; 1.5 units history or philosophy of science, medicine or technology; and 1.5 units organic chemistry.
- at least one course in at least 4 of the following 5 areas: cell biology, genetics, botany, zoology, environmental studies.
- at least 12 units of biological sciences course work of which at least 9 units are upper-level.

c) Chemistry: Major or Concentration

- 1.5 units approved mathematics or logic; 1.5 units history or philosophy of science, medicine or technology; and 1.5 units of astronomy, biology, earth science or physics.
- at least one course in at least 3 of the following 4 areas: organic chemistry, chemical analysis, reaction chemistry, applications of chemistry.
- at least 12 units of chemistry of which at least 9 units are upper-level.

d) Computer Science: Major

A computer science or related degree with at least 12 units of upper-level computer science, software engineering or computer engineering course work.

Computer Science: Concentration

12 units of course work that include: AE 322; 1 of CSC 100, 105 or HUMA 150; CSC 110 or 111; CSC 115; 2 of CSC 167, CSC 212, CSC 203/CENG 255, CENG 460, SENG 265; EDCI 337; SENG 130.

e) English: Major

A four-year English major or honours degree. Three-year degrees will be reviewed by the faculty adviser.

English: Concentration

15 units of course work that include: 3 units of 200, 300 or 400-level business, creative, expository, or technical writing; 1.5 units of upper-level Shakespeare; 3.0 units of upper-level English literature before 1900 (not Canadian); 3.0 units of upper-level English literature after 1900 (not Canadian); 3.0 units any level Canadian literature; 1.5 units any-level adolescent literature.

f) French: Major or Concentration

- 15 units of upper-level French course work are required for a teaching major; 9 units of upper-level French are required for a teaching concentration.
- French courses taken by non-native speakers must have been taught in French.
- Applicants must pass an oral competency examination unless FREN 350 has been completed with a grade of A- or better.

g) German: Concentration only

- 9 units of upper-level German.
- German courses taken by non-native speakers must have been taught in German.
- Applicants must pass an oral competency examination.

- h) General Science:** Major or Concentration
 - 1.5 units approved mathematics or logic; 1.5 units history or philosophy of science, medicine or technology.
 - at least 13.5 units of approved science course work of which at least 10.5 units are upper-level. Approved science include astronomy, biochemistry, biology, chemistry, earth and ocean sciences, microbiology, microchemistry, physics.
- i) Japanese:** Concentration only
 - 9 units of upper-level Japanese.
 - Japanese courses taken by non-native speakers must have been taught in Japanese.
 - Applicants must pass an oral competency examination.
- j) Information and Communication Technology Integration:** Concentration only
 only 12 units of course work that include: AE 322; one of CSC 100, 105 or HUMA 150; EDCI 337; 339; ED-D 338; ENGL 401; two of AE 422, ENGL 305, 407, 408, 412, 416. Other course work may be approved by the faculty educational technology adviser.
- k) Mandarin:** Concentration only
 - 9 units of upper-level Mandarin.
 - Mandarin courses taken by non-native speakers must have been taught in Mandarin.
 - Applicants must pass an oral competency examination.
- l) Mathematics:** Major
 A degree with a math major or honours or 15 units of upper-level mathematics.
Mathematics: Concentration
 A degree with a math minor, major or honours, 9 units of upper-level mathematics or the Mathematics Teaching Concentration as outlined on page 69.
- m) Music:** Major or Concentration
 UVic Bachelor of Music with a major in music education (secondary) or an equivalent degree from elsewhere determined by the faculty music education adviser.
- n) Physics:** Major or Concentration
 - 1.5 units approved mathematics or logic; 1.5 units history or philosophy of science, medicine or technology; and 1.5 units of astronomy, biology, chemistry or earth science.
 - at least one course in at least 4 of the following 5 areas: optics, quantum mechanics, mechanics, electromagnetic theory, applications of physics.
 - at least 12 units of physics of which at least 9 units are upper-level.
- o) Russian:** Concentration only
 - 9 units of upper-level Russian.
 - Russian courses taken by non-native speakers must have been taught in Russian.
 - Applicants must pass an oral competency examination.
- p) Social Studies**
Geography Emphasis - Major
 - at least 1.5 units of introductory geography
 - at least 1.5 units of history
 - at least 1.5 units of Canadian studies unless Canadian history has been completed.¹
 - 9 units of upper-level geography

- 6 units of upper-level approved social science or humanities (not geography)²
- Geography Emphasis - Concentration**
 - at least 1.5 units of introductory geography
 - at least 1.5 units of history
 - at least 1.5 units of Canadian studies unless Canadian history has been completed.¹
 - 6 units of upper-level geography
 - 6 units of upper-level approved social science or humanities (not geography)²
- History Emphasis - Major**
 - at least 1.5 units of introductory geography
 - at least 1.5 units of history
 - at least 1.5 units of Canadian studies unless Canadian history has been completed.¹
 - 9 units of upper-level history
 - 6 units of upper-level approved social science or humanities (not history)²
- History Emphasis - Concentration**
 - at least 1.5 units of introductory geography
 - at least 1.5 units of history
 - at least 1.5 units of Canadian studies unless Canadian history has been completed.¹
 - 6 units of upper-level history
 - 6 units of upper-level approved social science or humanities (not history)²
1. A 1.5 unit Canadian history course will satisfy both the Canadian studies and history requirement.
 2. Approved humanities and social science courses include economics, environmental studies, Native studies, political science, regional studies (e.g. Pacific & Asian studies), sociology, urban studies, women's studies. Applicants with a geography emphasis may also choose from history. Applicants with a history emphasis may also choose from geography. Other subjects may be approved by the faculty social studies adviser.
- q) Spanish:** Concentration only
 - 9 units of upper-level Spanish.
 - Spanish courses taken by non-native speakers must have been taught in Spanish.
 - Applicants must pass an oral competency examination.
- r) Theatre:** Concentration only
 A degree in applied theatre or 16.5 units of course work that include: THEA 101, THEA 120, THEA 132, THEA 331, THEA 332, THEA 335 and EDCI 487 (Special Topics in Education: Drama Education)
- 13.2.2 Application and Document Submission Deadlines**
 An application package is available online at <www.educ.uvic.ca> normally after September 15. Applications and all applicable fees are to be submitted to Undergraduate Admissions and Records no later than January 2.
- 13.2.3 Conditional Offers of Admission**
 Students offered admission prior to April 30 who drop required courses or whose grade-point average during the January to April term subsequently drops below the minimum will lose their eligibility, and the offer will be withdrawn.

13.3 PROGRAM FORMAT

13.3.1 Program Formats

a) BEd Post-Degree Professional Program (Secondary)

Terms One and Two (September - April)	
ED-D 337A, B or E	1.5
ED-D 401	1.5
ED-D 406 ¹	1.5
ED-D 420	1.5
ED-P 780	1.5
ED-P 781 ²	1.5
EDCI 336 ¹	1.5
EDCI 352	1.5
EDCI 373	1.5
One of EDCI 431, 432, 434 ¹	1.5-3.0
EDCI 706 to EDCI 797 ³	3.0
Education Elective ¹	1.5

Term Three (July/August) - optional	
An approved specialty certificate ⁴	6.0

Term Four (September)	
ED-D 430	1.5
ED-P 782 ²	3.0

Eligible for teacher certification after terms one, two and four

Notes:

1. ED-D 406, EDCI 431, 432 and 434 will become 1.5 unit courses effective September 2010. A 1.5 unit education elective and a 1.5 unit educational technology course (EDCI 336) will be added.
2. Students will have several field experience opportunities: school visits will occur in the first term; a five-week practicum will take place upon completion of second term courses; and an eight-week practicum will take place in the fourth term.
3. Starting 2010, students with one teaching area are required to take one of EDCI 706 - 767 as well as EDCI 787.
4. Refer to General Information (13.1).

b) BEd Post-Degree Professional Program (Secondary): Music

September-December	
EDCI 761	1.5
EDCI 373	1.5
EDCI 352	1.5
One of EDCI 431, 432, 433, 434 ¹	1.5-3.0
ED-D 337A	1.5
Approved second area curriculum and instruction course or ED-D 420 or approved education elective ²	1.5
ED-D 430	1.5

January-April	
ED-P 780	1.5
ED-P 798	3.0
Total units	15.0

Eligible for teacher certification after completion of these 15 units. An additional 15 units of approved course work are needed to complete the degree.

Notes:

1. These courses will be worth 1.5 units effective September 2010. EDCI 373 will be added to the program. Students admitted in 2009 will take EDCI 431 for 3.0 units and not EDCI 373.

2. Students who do not have a second teaching area will take ED-D 420. If ED-D 420 is not available an Education elective will be substituted.

c) BEd Post-Degree Professional Program (Secondary): Middle-School

This version of the program is not available in 2010/2011. Information about the 16-month middle-years pilot program can be found online at <www.educ.uvic.ca>.

July-August	
ED-D 406	1.5
EDCI 748	3.0
EDCI 756	2.0

September-December	
ED-P 780	1.5
ED-D 337A, B, C, or E	1.5
ED-D 401	1.5
ED-D 430	1.5
EDCI 431 or 432	3.0
Curriculum Instruction	1.5-3.0

January-April	
ED-P 780	(con't)
ED-P 798	3.0
Total Units	21.5-23

Eligible for CERTIFICATION

13.3.2 Degree Completion for Bachelor of Education Post-Degree Professional Program (Secondary): Music

To qualify for the Bachelor of Education degree, students must complete 30-units of credit that include 21 units of upper level course work. A minimum grade-point average of 3.00 (C+) must be obtained on the courses required for the certification component (professional year) and on course work taken subsequent to the certification component.

Normally, students take 15 to 23 units of senior level course work during the professional year, depending on their program option and teaching areas. A further 7 – 15 units of additional course work will complete the BEd degree.

Students wishing to complete the requirements for the Bachelor of Education degree should consult an adviser in the Faculty of Education.

14.0 Diploma and Certificate Programs

14.1 DIPLOMA IN SPECIAL EDUCATION

The Department of Educational Psychology and Leadership Studies offers a Diploma in Special Education. This is a 15-unit program that combines the first 7.5 units found in the Professional Specialization Certificate Program in Special Education with coursework in the advanced treatment of developmental disabilities, behaviour problems, assistive technologies, inclusive education and effective consultation skills.

Normally, students entering this program will have two years of teaching experience. In addition, students must have a teaching certificate and an undergraduate degree. Students may enter the Diploma at two points: (a) as a stand

alone program of studies, following an appropriate undergraduate degree and teacher certification, or (b) as a continuation of studies following the completion of a Professional Specialization Certificate in Special Education. In the latter case, all certificate credits may be transferable into the Diploma. Students who are enrolled in the Diploma in Special Education and cannot finish the program may be awarded the Professional Specialization Certificate in Special Education provided that they have fulfilled all requirements for the Certificate.

Required Courses (15.0 units)

ED-D 402 (1.5)	Assessment for Special Education
ED-D 405 (1.5)	Advanced Educational Exceptionality
ED-D 411 (1.5)	Teaching Students with Behavioural, Social and Emotional Difficulties
ED-D 415 (3.0)	Assessment and Remediation of Learning Difficulties
ED-D 417 (1.5)	Skills for Effective Interpersonal Communication
ED-D 424 (1.5)	Teaching Individuals with Developmental Disabilities
ED-D 425 (1.5)	Assistive Technology in the Inclusive Classroom
ED-D 426 (1.5)	Differentiating Instruction in the Inclusive Classroom
ED-D 499 (1.5)	Professional Development: Collaboration and Consultation in Special Education

14.2 PROFESSIONAL SPECIALIZATION CERTIFICATE IN INFORMATION COMMUNICATION TECHNOLOGY

This Professional Specialist Certificate provides important background and training for teachers and other educational professionals to gain knowledge, skills, and experience in incorporating new communication technologies for instructional purposes.

The certificate will be delivered through a combination of face-to-face and distance delivery.

Core Courses

EDCI 337	1.5
EDCI 339	1.5
ED-D 338	1.5
One of EDCI 336, 338, 353B, AE 322	1.5

Note: EDCI 336 can be used for credit in the Professional Specialization Certificate when taken outside of requirements for a previous degree.

14.3 DIPLOMA IN INTERCULTURAL EDUCATION AND TRAINING

This is an 18.0 unit interdisciplinary program for students and professionals working or planning to work in a multicultural or cross-cultural environment. Students should refer to page 222 for more information. Students should consult the Division of Continuing Studies regarding program details and regulations. Information is also available online at <www.uvcs.uvic.ca/iet>.

14.4 PROFESSIONAL SPECIALIZATION CERTIFICATE IN SPECIAL EDUCATION

The Department of Educational Psychology and Leadership Studies offers a Professional Specialization Certificate (PSC) in Special Education. This 7.5 unit program is designed for teachers who have an undergraduate degree and teacher certification. Normally, students entering the program will also have two years teaching or equivalent experience. Using a variety of course delivery methods, the certificate courses are designed and scheduled to be completed part-time.

The general foci of the certificate program are: high and low incidence special needs and their effect on development, learning, and behaviour; legal and ethical issues in the delivery of services to students with special needs; BC Ministry of Education Policies and Procedures; collaboration and consultation in special education; special education assessment (level B) and identification of learning needs; and individualized education program (IEP) design, delivery, and evaluation.

Course Sequence

YEAR 1

Fall Term

ED-D 405 Advanced Educational Exceptionality	1.5
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Spring Term

ED-D 402 Assessment for Special Education	1.5
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Summer Term

ED-D 415 Assessment and Remediation of Learning Difficulties	3.0
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YEAR 2

Fall Term

ED-D 499 Professional Development: Collaboration and Consultation in Special Education	1.5
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Note: Students wishing to pursue an M.A. or M.Ed. following completion of the certificate may, subject to approval, apply 3 units of their certificate course work toward their graduate degree in Special Education.

Program Fee

Upon entry, students in the PSC in Special Education pay a non-refundable fee of \$350.00 for assessment materials.

14.5 PROFESSIONAL SPECIALIZATION CERTIFICATE IN TEACHING FRENCH IMMERSION

Teachers will gain the methodology and fluency to be highly effective in the French immersion environment. This new credit certificate consists of four courses—two offered online in fall and spring, and two offered face to face in summer session.

Core Courses

EDCI 475 Principles in Teaching French Immersion	1.5
EDCI 476 Organization and Instruction in French Immersion	1.5
EDCI 477 Designs for Learning	1.5
FRAN 475 Modern French	1.5
Total	6.0

15.0 School of Exercise Science, Physical and Health Education

15.1 BACHELOR OF EDUCATION (SECONDARY CURRICULUM) PROGRAM (BE_{ED}) – PHYSICAL EDUCATION TEACHING AREA

For detailed information about the five year Bachelor of Education (secondary curriculum) Program - Physical Education teaching area, please refer to 12.0.

The requirements for admission to the secondary program with a physical education teaching area are listed under 12.2.

Recommended Sequence of EPHE courses (refer to 12.5.2 for other program requirements):

Year 1	
Four of EPHE 104-136 ¹	2.0
EPHE 141	1.5
EPHE 143	1.5

Year 2	
Four of EPHE 104-136 ¹	2.0
EPHE 201	1.5
EPHE 241B	1.5
EPHE 245	1.5
EPHE 246.....	1.5

Year 3	
Three of EPHE 104-136 ¹	1.5
EPHE 344.....	1.5
EPHE 346.....	1.5
EPHE 352.....	1.5
EPHE 360.....	1.5
One of EPHE 461A-M.....	0.5

Year 4	
EPHE 361	1.5
EPHE 443.....	1.5
EPHE 452.....	1.5
EPHE Elective ²	1.5

Year 5	
EPHE 764.....	1.5
1. Select EPHE 104-136 according to the specific list in 12.5.2 Physical Education Area.	
2. Elective: one of EPHE 341, 342, 347, 348, 351, 355, 357, 441, 445, 449, 455 (must have the prerequisites)	

15.2 BACHELOR OF ARTS (BA) - MAJOR IN RECREATION AND HEALTH EDUCATION CO-OPERATIVE EDUCATION PROGRAM

The Recreation and Health Education (RHED) program is an interdisciplinary program and prepares students to enter the fields of recreation, wellness and health promotion, leadership and administration primarily in the public and not-for-profit sectors. It provides preparation in the planning, implementation, evaluation and supervision of recreation, leisure, fitness, wellness and health promotion policies and programs that support social changes.

The Recreation and Health Education program is a minimum of a 4.5 year degree leading to the degree of Bachelor of Arts. It is available only on a co-operative model basis. Please refer to the general description of the Co-operative Education concept and general regulations governing all co-operative education students.

The School of Exercise Science, Physical and Health Education accepts approximately 30 students each year into the BA Recreation and Health Education Major program.

Students transferring from college and universities should complete an Application for Admission form available from Undergraduate Admissions or online at <registrar.uvic.ca/undergrad>. Reregistering UVic students may download, print and complete an Application to the School of Exercise Science, Physical and Health Education form available on the School's website: <www.educ.uvic.ca/phed/selprocs.htm>. Students are selected for entry into the program for the following September.

The deadline for receipt of application forms is January 31. New student applications must be sent to Admission Services. Reregistering UVic student applications must be sent to Records Services.

Applications will be considered from those who meet the following:

1. at least 12 units of credit, including 3 units of English (from ENGL 115, 135, 146, 147)
2. an interview by the School of Exercise Science, Physical and Health Education
3. academic preparation which includes the following:
 - EPHE 143 (1.5)
 - a minimum grade point average of 4.0 (on a 9-point scale) on the most recent session. For students currently registered in less than 12 units, the GPA will be determined by using a combination of the GPA achieved in the current session and the GPA from the previous session applied to the number of units required to reach the 12 unit minimum. Achieving the minimum GPA for the program does not ensure acceptance.
4. all requirements for admission must be completed by April 30 and documented by May 31

All students should follow the academic guidelines described in section 15.2.1. With a high grade point average, applicants to the co-op program in Recreation and Health Education may be provisionally admitted into a Co-operative Education work term prior to formal admission into the RHED program. Such students, with authorization from the Office of the Executive Director, Co-operative Education, may undertake a first co-op work term. In such cases, the co-op work term will be recorded on the transcript as COOP 001 and, if successfully completed, will be accepted as one of the required work terms for the student's co-op program. Subsequent work terms must be done as part of the Recreation and Health Education program. Authorization to take a co-op work term does not guarantee admission to the School of Exercise Science, Physical and Health Education.

In order to continue in this program, a grade point average of at least 3.5 is required in every session attended. If a student is on probation, then no units of credit will be allowed during

the work term. Students are reminded of their responsibility to maintain the minimum academic performance required by the Faculty of Education (see Section 7.5.2). Students with a GPA below 3.0 in an academic term will not be eligible to participate in the next scheduled co-op work term.

Students must complete four work terms. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35. Each work term is noted on the student's academic record (grading: COM, F/X or N/X). A student who does not complete a work term satisfactorily will normally be required to withdraw from the program, but the Recreation and Health Education Committee may, upon review, authorize a further work term.

Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university-level credit courses while on a work term. Under extraordinary circumstances, students may submit, in writing to the Co-operative Education Coordinator, School of Exercise Science, Physical and Health Education, a request to register in a maximum of 1.5 units of university level course credit. Students should not expect to complete all their work terms in the summer months, nor should they expect to complete their program on a work term or series of work terms.

Students must sign a current Terms and Conditions document as provided by the Co-operative Education Coordinator, School of Exercise Science, Physical and Health Education in order to be eligible to participate in the placement process.

Participation in EPHE 200 Co-op Seminar is a mandatory requirement for all School of Exercise Science, Physical and Health Education co-op students. This course is a co-requisite for students participating in the placement process prior to their first work term. EPHE 200 is offered in the September to December academic term. Students will be provided more information regarding the content and requirements for completion of this seminar upon admission to the RHED program.

Students are expected to participate fully in the placement process. While every attempt will be made to ensure that all eligible students are placed, the School of Exercise Science, Physical and Health Education is under no obligation to guarantee placement. Students are only permitted to decline one valid co-op job offer, any more than that and they will be deemed ineligible to participate in the placement process for the remainder of that term. Students should be prepared to spend at least one work term outside the Greater Victoria area.

The Co-op Program Coordinator, School of Exercise Science, Physical and Health Education reserves the right to approve any employer that provides placements for students and to withdraw a student from any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any withdrawal and can follow the student appeal procedures as outlined in the Co-operative Education Program section of the calendar. Students may not withdraw from a placement without

approval from the Co-op Coordinator. Failure to obtain permission will result in the student receiving a grade of F/X on the work term.

Students must be officially registered for the work term by completing the Work Term Registration Form, which is provided by the School of Exercise Science, Physical and Health Education Co-op office, and provide any other required documentation prior to the start of the work term. A Co-op Program Fee, which is non-refundable, is due in the first month of each work term and is subject to the University's general fee regulations.

Ethical and Professional Behaviour:

While on co-operative education work terms students are responsible for acting in an ethical and professional manner.

Attendance:

While on cooperative education work terms students are expected to have regular attendance, be punctual at the work place and to notify their co-operative education coordinator whenever work term requirements cannot be kept.

Denial of co-operative education placement:

Students will be denied a co-operative education placement if their preparation in required course work and/or EPHE 200 is deemed unsatisfactory by their instructor(s) and/or the Director of the School of Exercise Science, Physical and Health Education.

Withdrawal from co-operative education placement:

Students may be required to withdraw from the co-operative education placement with a failing grade if their performance in the workplace or their workplace preparation is considered unsatisfactory by the work site supervisor, co-operative education coordinator and the academic program coordinator.

Voluntary Placement Withdrawal:

Students seeking voluntary withdrawal during a placement must receive permission to do so from the co-operative education coordinator and program coordinator. Their request must be in writing and contain the reasons for the request. Students whose performance is deemed unsatisfactory at the time of withdrawal will receive a failing grade.

The performance of students in the Recreation and Health Education Co-operative Program will be reviewed after each campus term and each work term. Students whose performance is deemed unsatisfactory by the Recreation and Health Education Committee will be so informed and will be advised by the Committee of the conditions they are to satisfy in order to remain in the program.

15.2.1 Recommended Sequence of Required Courses

Year One	
(Humanities, Science, or Social Sciences)	
CSC 100 or 110	1.5
Two of ENGL 115, 135, 146, 147.....	3.0
EPHE 141	1.5
EPHE 142	1.5
EPHE 143	1.5
PSYC 100A and 100B	3.0

One of SOCI 100A or 100B	1.5
One elective	1.5
Total	15.0

Year Two

EPHE 200.....	0.0
EPHE 241B	1.5
EPHE 243	1.5
EPHE 244.....	1.5
EPHE 252.....	1.5
EPHE 253.....	1.5
EPHE 270.....	1.5
Electives.....	6.0
Total	15.0

May-August:

Work Term I

Year Three

September-December:

One of EPHE 104-136.....	0.5
EPHE 351.....	1.5
EPHE 354A.....	1.5
EPHE 360.....	1.5
One Elective	1.5

January-April:

Work Term II

May-August:

ENGL 225.....	1.5
EPHE 354B	1.5
EPHE 356.....	1.5
ED-D 417	1.5
ED-D 418	1.5
One Elective	1.5
Total	15.5

Year Four

September-December:

Work Term III

January-April:

Two ADMN (approved by Adviser)	3.0
Electives.....	3.0
Two of EPHE 104-136.....	1.0
Total	7.0

May-August:

Work Term IV

Year Five

September -April:

EPHE 454.....	1.5
EPHE 445.....	1.5
Three Electives	4.5
Total	7.5

Total Units for Degree

- 60.0**
1. Students must complete three skill performance and analysis courses from EPHE 104-136.
 2. Of the 18.0 units of electives, normally 7.5 units must be approved upper-level courses from outside the Faculty of Education. As an option, 1.5 units of the 7.5 may be any EPHE 300- or 400-level course for which you have the prerequisites.

15.2.2 Interfaculty Minor

A student who completes the requirements for the RHED program, and also completes the courses prescribed for one of the academic units listed under the General Program or the courses

prescribed in the Calendar for a Minor program offered in another faculty, will receive a Minor in that academic unit. The Minor will be added to the student's academic record only if the courses taken for the Minor are not part of the core requirements for the RHED program, and only if the student formally declares the Minor program through the Education Advising Centre. Only one Minor may be declared. Students interested in pursuing an Interfaculty Minor should discuss this program with an Education Adviser. Note that a Minor in Kinesiology is not available.

15.3 BACHELOR OF SCIENCE BSc (KINESIOLOGY)

The School of Exercise Science, Physical and Health Education offers Major programs in the area of Kinesiology, which include the option of studying under a co-operative education model. An Honours degree is also available to those students seeking research experience. The Major program requires a degree of specialization in the last two years of study. This degree may permit students to proceed to a professional position in the various fields associated with Kinesiology, or to proceed towards graduate study, or medical or paramedical studies (including chiropractic, physiotherapy, occupational therapy).

Students should note that many of the course requirements of the BSc degree have secondary school prerequisites, including a minimum of Biology 11, Chemistry 11 (Chemistry 12 recommended), Pre-calculus 12 and Physics 12.

The School of Exercise Science, Physical and Health Education accepts a total of 30 students each year into the BSc Kinesiology Major and Major Co-operative programs.

15.3.1 Major

Students transferring from college and universities should complete an Application for Admission form available from Undergraduate Admissions or online at <<http://registrar.uvic.ca/undergrad>>. Reregistering UVic students may download, print and complete an Application to the School of Exercise Science, Physical and Health Education form available on the School's website: <www.educ.uvic.ca/phed/selprocs.htm> Students are selected for entry into the program for the following September.

The deadline for receipt of application forms is **January 31**. New student applications must be sent to Admission Services. Reregistering UVic student applications must be sent to Records Services.

Applications will be considered from those who have at least 12 units of credit including:

1. a minimum of 6 units of science (from BIOL, CHEM, MATH, PHYS, EPHE 141, 241A, 241B)
2. 3 units of English (from ENGL 115, 135, 146, 147)
3. EPHE 143
4. a minimum grade point average of 5.0 ("B" average) on the most recent session. For students currently registered in less than 12 units, the GPA will be determined by using a combination of the GPA achieved in the current session and the GPA from the previous session applied to the number of units required to reach the 12 units. Achieving the minimum GPA for the program does not ensure acceptance.

5 all requirements for admission must be completed by April 30 and documented by May 31. In order to continue in the program, students require a grade point average of at least 3.0 (3.5 for Co-op) in every session.

15.3.2 Honours

Students in the Kinesiology Major program seeking an Honours degree should apply to the Kinesiology program coordinator before the start of the third year of the program. Applicants require a minimum 6.0 grade point average in all EPHE courses (excluding EPHE 100 level courses) and a grade point average of 5.0 in non-EPHE courses.

If accepted, honours students are responsible for finding a supervisor for their honours thesis. All requirements should be completed within five academic years. The completed thesis will be examined by a three-person committee including the supervisor. To graduate with an honours degree, a student must have a minimum 5.0 grade point average for all work outside the School. An Honours degree will be awarded to students who obtain:

1. a graduating average of at least 5.0
2. a grade point average of at least 5.5 for 300- and 400-level School of Exercise Science, Physical and Health Education courses
3. a grade of at least B in EPHE 499

A student who achieves a grade lower than B- in EPHE 499 will graduate under the Major program, providing all other requirements for the degree are fulfilled. The submission date for the thesis in EPHE 499 is the last day of classes.

BSc Kinesiology Major and Co-op students accepted into the Honours program follow the same course sequence requirements for the Major and Co-op degrees, with the following modifications:

1. addition of EPHE 357 (1.5 units) and EPHE 499 (3.0 units)
2. reduction of senior EPHE electives by 1.5 units and non-EPHE electives by 1.5 units.

15.3.3 Recommended Sequence of Courses BSc Kinesiology Major and Honours

The BSc Kinesiology Honours program is a 61.5 unit degree.

Year One

(Humanities, Science or Social Sciences)

BIOL 150A and 150B, or 190A and 190B*	3.0
CHEM 101 and 102*	3.0
EPHE 141*	1.5
EPHE 143	1.5
EPHE 155	1.5
Two of ENGL 115, 135, 146, 147	3.0
Electives ³	1.5
Total for year	15.0

Year Two

MATH 100	1.5
STAT 255	1.5
PHYS 120	1.5
EPHE 201	1.5
EPHE 241A*	1.5
EPHE 241B*	1.5
EPHE 245	1.5
EPHE 253	1.5

One of EPHE 104-136	0.5
Electives ³	3.0
Total for year	15.5

Year Three

EPHE 341*	1.5
EPHE 344*	1.5
EPHE 360*	1.5
EPHE 380*	1.5
One of EPHE 104-136	0.5
EPHE 300-400 level	3.0
Electives ³	4.5
Total for year	14.0

Year Four

EPHE 441*	1.5
EPHE 444*	1.5
EPHE 447 (full-year course)	1.5
One of EPHE 104-136	0.5
EPHE 300-400 level	4.5
Electives ³	6.0
Total for year	15.5
Total Units for Degree	60.0

* science designated course

Notes (Major and Honours):

1. The Bachelor of Science Kinesiology degree requires 33 science-designated units.
2. Students must take at least 3.0 units in each of BIOL, CHEM and MATH.
3. At least 12 units of electives must be selected from courses offered by the following science departments, and at least 9 of these must be at the 300 or 400 level: Biochemistry and Microbiology, Biology, Chemistry, Computer Science, Mathematics and Statistics, and Physics and Astronomy. In addition, approved courses offered by the Departments of Psychology and Anthropology, and the School of Earth and Ocean Sciences may be used as science electives; a complete list of approved courses can be obtained from Exercise Science, Physical and Health Education Advising or our website <www.educ.uvic.ca/phed/BScKinesiologyScienceElectives.htm>. Courses in these departments designated for non-science students WILL NOT be accepted as part of the 12 units of required sciences in the BSc Kinesiology programs.

15.3.4 BSc Major In Kinesiology – Cooperative Education Program

The Kinesiology Co-operative Education program is a year-round program, which enables students to integrate their academic experiences with workplace learning. Please refer to the general description of the Cooperative Education concept and general regulations governing all co-operative education students, page 46.

All students should follow the academic guidelines described in section 15.3.5. With permission of the Program Coordinator, Kinesiology co-op students may voluntarily withdraw from Co-operative Education and remain enrolled in the Kinesiology degree program.

With a high grade point average, applicants to the co-op program in Kinesiology may be provisionally admitted into a Co-operative Education work term prior to formal admission into the Kinesiology co-op program. Such students, with authorization from the Office of the Executive Director, Co-operative Education, may undertake a first coop work term. In such cases, the co-op work term will be recorded on the transcript as

COOP 001 and, if successfully completed, will be accepted as one of the required work terms for the student's co-op program. Subsequent work terms must be done as part of the Kinesiology program. Authorization to take a coop work term does not guarantee admission to the School of Exercise Science, Physical and Health Education.

Work term credit by challenge is not permitted in the BSc Kinesiology Co-op program.

In order to continue in this program, a grade point average of at least 3.5 is required in every session attended. If a student is on probation, then no units of credit will be allowed during the work term. Students are reminded of their responsibility to maintain the minimum academic performance required by the Faculty of Education (see Review of Academic Performance). Students with a GPA below 3.0 in an academic term will not be eligible to participate in the next scheduled co-op work term.

Students must complete three work terms. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35. Please note that participation in the co-operative education program adds to the length of time required for successful degree completion.

Each work term is noted on the student's academic record (grading: COM, N/X or F/X). A student who does not complete a work term satisfactorily will normally be required to withdraw from the program but the Kinesiology Committee may, upon review, authorize a further work term.

Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university level credit courses while on a work term. Under extraordinary circumstances, students may submit, in writing to the Co-operative Education Coordinator, School of Exercise Science, Physical and Health Education, a request to register in a maximum of 1.5 units of university level course credit. Students should not expect to complete all their work terms in the summer months, nor should they expect to complete their program on a work term or series of work terms.

Students must sign a current Terms and Conditions document as provided by the Co-operative Education Coordinator, School of Exercise Science, Physical and Health Education in order to be eligible to participate in the placement process.

Participation in EPHE 200 Co-op Seminar is a mandatory requirement for all School of Exercise Science, Physical and Health Education co-op students. This course is a co-requisite for students participating in the placement process prior to their first work term. EPHE 200 is offered in the September to December academic term. Students will be provided more information regarding the content and requirements for completion of this seminar upon admission to the KINE program.

Students are expected to participate fully in the placement process. While every attempt will be made to ensure that all eligible students are placed, the School of Exercise Science, Physical

and Health Education is under no obligation to guarantee placement. Students are only permitted to decline one valid co-op job offer, any more than that and they will be deemed ineligible to participate in the placement process for the remainder of that term. Students should be prepared to spend at least one work term outside the Greater Victoria area.

The Co-op Program Coordinator, School of Exercise Science, Physical and Health Education reserves the right to approve any employer that provides placements for students and to withdraw a student from any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any withdrawal and can follow the student appeal procedures as outlined in the Co-operative Education Program section of the calendar. Students may not withdraw from a placement without approval from the Co-op Coordinator. Failure to obtain permission will result in the student receiving a grade of F/X on the work term.

Students must be officially registered for the work term by completing the Work Term Registration Form, which is provided by the School of Exercise Science, Physical and Health Education Co-op office, and provide any other required documentation prior to the start of the work term. A Co-op Program Fee, which is non-refundable, is due in the first month of each work term and is subject to the University's general fee regulations.

Ethical and Professional Behaviour:

While on co-operative education work terms students are responsible for acting in an ethical and professional manner.

Attendance:

While on cooperative education work terms students are expected to have regular attendance, be punctual at the work place and to notify their co-operative education coordinator whenever work term requirements cannot be kept.

Denial of co-operative education placement:

Students will be denied a co-operative education placement if their preparation in required course work and/or EPHE 200 is deemed unsatisfactory by their instructor(s) and/or the Director of the School of Exercise Science, Physical and Health Education.

Withdrawal from co-operative education placement:

Students may be required to withdraw from the co-operative education placement with a failing grade if their performance in the workplace or

their workplace preparation is considered unsatisfactory by the work site supervisor, co-operative education coordinator and the academic program coordinator.

Voluntary Withdrawal:

Students seeking voluntary withdrawal during a placement must receive permission to do so from the co-operative education coordinator and program coordinator. Their request must be in writing and contain the reasons for the request. Students whose performance is deemed unsatisfactory at the time of withdrawal will receive a failing grade.

The performance of students in this program will be reviewed after each campus term and each work term. Students whose performance is deemed unsatisfactory will be so informed and will be advised of the conditions they are to satisfy in order to remain in the program.

15.3.5 Recommended Sequence of Required Courses BSc Kinesiology Major - Co-operative Education

Years 1 and 2 are the same as for the non-co-op Major.

Year One

(Humanities, Science or Social Sciences)

BIOL 150A and 150B, or 190A and 190B*	3.0
CHEM 101 and 102*	3.0
EPHE 141*	1.5
EPHE 143	1.5
EPHE 155	1.5
Two of ENGL 115, 135, 146, 147	3.0
Electives ¹	1.5
Total for year	15.0

Year Two

MATH 100	1.5
STAT 255	1.5
PHYS 120	1.5
EPHE 200	0.0
EPHE 201	1.5
EPHE 241A*	1.5
EPHE 241B*	1.5
EPHE 245	1.5
EPHE 253	1.5
One of EPHE 104-136	0.5
Electives ¹	3.0
Total for year	15.5

At the end of Year Two:

Work Term #1

Year Three

Work Term #2 and possibly #3

EPHE 341*	1.5
EPHE 344*	1.5
EPHE 354B (summer)	1.5
EPHE 360*	1.5
EPHE 380*	1.5
One of EPHE 104-136	0.5
EPHE 300-400 level	3.0
Electives ¹	4.5
Total for year	15.5

Year Four

Work Term #3

EPHE 441*	1.5
EPHE 444*	1.5
One of EPHE 104-136	0.5
EPHE 300-400 level	4.5
Electives ¹	6.0
Total for year	14.0
Total Units for Degree	60.0

* science designated courses

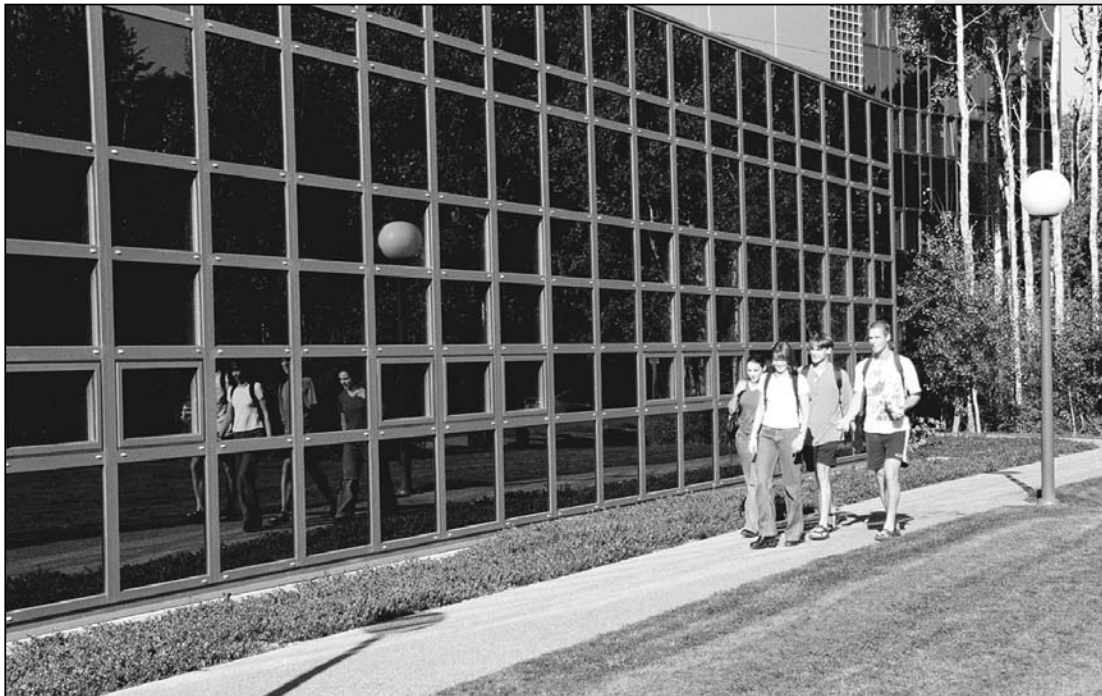
1. At least 12 units of electives must be selected from courses offered by the following science departments, and at least 9 of these must be at the 300 or 400 level: Biochemistry and Microbiology, Biology, Chemistry, Computer Science, Mathematics and Statistics, and Physics and Astronomy. In addition, approved courses offered by the Departments of Psychology and Anthropology, and the School of Earth and Ocean Sciences may be used as science electives; a complete list of approved courses can be obtained from Exercise Science, Physical and Health Education Advising or our website <www.educ.uvic.ca/phed/BScKinesiologyScienceElectives.htm>. Courses in these departments designated for non-science students WILL NOT be accepted as part of the 12 units of required sciences in the BSc Kinesiology programs.

15.3.6 Interfaculty Minor, Double Honours or Major

Students interested in pursuing an Interfaculty Minor or an Interfaculty Double Honours or Major should discuss this program with both the Program Co-ordinator and an Education Adviser.

Faculty of Engineering

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The Faculty of Engineering offers undergraduate programs in the fields of Engineering and Computer Science. Programs leading to the degree of BEng are offered through the Departments of Electrical and Computer Engineering, and Mechanical Engineering. Programs leading to the degree of Bachelor of Science are offered through the Department of Computer Science. A Bachelor of Software Engineering (BSEng) degree is offered jointly by the Departments of Computer Science, and Electrical and Computer Engineering. Cooperative Education is mandatory for students in the BEng and BSEng programs and for some of the BSc programs and optional for the others.

Faculty Administrative Officers:

Thomas Tiedje, BSc (U of T), MSc, PhD (UBC), PEng, Dean of the Faculty and Professor

LillAnne Jackson, BSc (Alberta), MSc (Lethbridge), PhD (Calgary), Associate Dean (Undergraduate Programs) and Senior Instructor

Hausi A. Müller, Dipl El Eng (ETH Zürich), MS, PhD (Rice), PEng, Associate Dean (Research) and Professor

Student Information:

Bachelor of Engineering 250-721-8678

Bachelor of Software Engineering 250-721-6023

Computer Science 250-472-5700

Website: www.uvic.ca/engineering

General Information

DEGREES AND PROGRAMS OFFERED

See the table below for a listing of the Faculty of Engineering undergraduate degree offerings

The Co-operative Education Program is mandatory for all BEng and BSEng programs, for the BSc in Computer Science (Business Option, or Mechatronics and Embedded Systems Option), and the Combined Major in Health Information

Science and Computer Science program. All students in these programs graduate with the Co-op designation on their academic documents.

Co-operative Education is optional for the other BSc programs in Computer Science. The Engineering, BSEng, and Computer Science Co-operative Education Programs are described on page 100.

AVAILABILITY OF COURSES

Computer Science (CSC) and Software Engineering (SENG) courses are open to all UVic students.

Except when a course is required for their degree program, students who have not been admitted to the BEng or BSEng Programs in the Faculty of Engineering must obtain written permission from the Dean in order to register in Engineering (ENGR), Computer Engineering (CENG), Electrical Engineering (ELEC) or Mechanical Engineering (MECH) courses. Students not registered in an approved faculty Minor will normally not be allowed to complete more than 6 units of such courses.

Faculty of Engineering Undergraduate Programs

Department	Degree	Programs Offered	Areas of Specializations	Options
COMPUTER SCIENCE	Bachelor of Science	General Degree in Computer Science Honours in Computer Science Major in Computer Science		<ul style="list-style-type: none"> • Bioinformatics • Business • Computer Communications and Networks • Computer Graphics and Gaming • Mechatronics and Embedded Systems • Software Engineering • Theory
		Combined Programs ¹ in: <ul style="list-style-type: none"> • Computer Science and Mathematics (Honours and Major) • Computer Science and Statistics (Honours and Major) • Geography and Computer Science (Geomatics) • Health Information Science and Computer Science • Music and Computer Science • Physics and Computer Science (Honours and Major) • Psychology and Computer Science • Visual Arts and Computer Science 		
	Bachelor of Arts	General Degree in Computer Science ²		
	Bachelor of Software Engineering	Software Engineering		<ul style="list-style-type: none"> • Biomedical • Communication and Networks • Management • Mechatronics and Embedded Systems • Security • Technology Policy
ELECTRICAL AND COMPUTER ENGINEERING	Bachelor of Engineering	Computer Engineering	<ul style="list-style-type: none"> • Software Engineering • Systems Engineering 	<ul style="list-style-type: none"> • Biomedical Engineering • Computer Music
		Electrical Engineering	<ul style="list-style-type: none"> • Communications • Digital Signal Processing • Electrical Energy Systems • Electromagnetics and Photonics • Electronics 	<ul style="list-style-type: none"> • Fast Track Master's • Information and Systems Security • Management • Mechatronics and Embedded Systems • Physics • Technology Policy
MECHANICAL ENGINEERING		Mechanical Engineering	<ul style="list-style-type: none"> • Advanced Materials • Advanced Manufacture • Computer Aided Engineering • Energy Systems • Fluids and Aerodynamics • Mechatronics 	<ul style="list-style-type: none"> • Management • Mechatronics and Embedded Systems

1. Students wishing to complete one of the combined degrees in Computer Science and Mathematics, Computer Science and Statistics, or Computer Science and Physics offered jointly by the Department of Computer Science and departments in the Faculty of Science will normally register in the Faculty of Science for their first year. Students wishing to complete a combined major degree in Health Information Science and Computer Science will normally register in the Faculty of Human and Social Development. Students wishing to complete a combined major degree in Visual Arts and Computer Science will normally register in the Faculty of Fine Arts.

2. Students wishing to complete a General degree in Computer Science will normally register in the faculty offering the second specialization area for their General degree in their first year.



Visiting students within the Faculty of Engineering will be designated as having “non-degree program” status. Students with this status may take only a pre-approved set of specified courses.

In certain cases, other students may be registered as non-degree students to provide them with the opportunity to establish their qualifications for entry or re-entry into a degree program offered by the faculty.

Minors

Students pursuing a non-Engineering degree may elect to take a Computer, Electrical or Mechanical Systems Minor consisting of 9 units of Computer, Electrical or Mechanical Engineering, 4.5 units of which must be at the 300 level or above. Such Minors should be developed in consultation with the appropriate Engineering department and approved by the Dean of the originating faculty of the student. Permission to register in courses and related prerequisites will be considered on a case-by-case basis and is at the discretion of the department. Students must declare the Minor with the advising centre of their originating faculty.

Minor degree programs are offered by all three departments within the Faculty of Engineering. The student should refer to the specific departmental entry for further details. A specific Minor in Software Engineering is not currently offered.

Any UVic student who wishes to pursue a Minor in another discipline outside their program area may do so with the approval of that department/faculty. Students should consult the appropriate advising centre for the development and approval of the minor. Access to courses outside the Faculty of Engineering is at the minor department's discretion. Courses that fulfill requirements for a Minor cannot form part of the requirements for the degree and normally would be taken outside a student's primary academic unit.

LIMITATION OF ENROLMENT

Enrolment in any course or degree program may be limited by the availability of staff and resources. Applicants who meet the minimum academic requirements are not guaranteed admission to any program.

Bachelor of Science Programs

ADMISSION REQUIREMENTS

Graduates of BC Secondary Schools

Applicants from BC secondary schools who are seeking admission to the Faculty of Engineering to follow a BSc in Computer Science program should refer to the admission requirements on page 24.

Graduates from Canadian Secondary Schools Outside BC

Graduates of senior secondary schools in Canadian provinces other than British Columbia require equivalent qualifications to those specified as admission requirements for BC secondary school graduates (see page 24). Applicants are advised to contact Admission Services for further information regarding requirements.

Transfers from Other Faculties

A student in another faculty who wishes to transfer into a BSc program in the Faculty of Engineering must have been eligible for admission to the Faculty of Engineering when they applied to the University or have completed 6 units of courses including MATH 100 and CSC 110 while registered in another faculty of the University. A student in another faculty who has completed one or more sessions at the University must also have satisfactory standing as defined by the University at the time of transfer.

Transfers from Other Institutions

To be eligible for admission to a BSc program in the Faculty of Engineering on the basis of work completed at a college or another university, a student must be eligible for transfer credit for at least 12 units of courses and have at least a 60% average on their most recent work. The student must also have been eligible for admission to the Faculty of Engineering had they applied to the University directly from secondary school or have completed courses while registered in another college or university which are equivalent to CSC 110 and MATH 100.

On successful completion of the Computer Science Bridge program offered at Camosun College, students with a two-year diploma in Computer Technology may be admitted to the third year of a BSc Major program. Students admitted based on completion of the Computer Science Bridge program may receive credit for courses normally taken in third and fourth year and in that case must take an equivalent number of electives in addition to the normal year 3 and year 4 degree requirements. Acceptance into the Bridge and BSc programs must be obtained from the Faculty of Engineering before registration in any of the Bridge program courses.

Admission to Specific Computer Science Programs

On admission, students are normally placed in the BSc Major Program.

Admission to the Major in Computer Science (Business Option) program may be granted after successful completion of at least 7.5 units of courses or equivalent studies. Applications for admission to this program should be made through the Computer Science Advising Office as soon as possible after the student begins studies in the faculty.

Applications for admission to Computer Science Co-op programs are normally completed during the student's first term of studies but are accepted until the beginning of a student's third year.

Applications for admission to the Honours Program in Computer Science are normally made at the end of the student's second year of studies.

On admission to the Major or Honours Program in Computer Science or the Major Program in Computer Science (Software Engineering Option) or Computer Science (Business Option), a student from outside the Faculty is registered in the Faculty of Engineering.

Credit for Courses Offered by Other Faculties or Institutions

All courses in other faculties are acceptable for use as elective credit for Major and Honours Programs in Computer Science, if the regula-

tions of the department offering the courses permit and prerequisites are met.

Credit for work transferred from another institution is subject to the regulations on page 87.

Students already enrolled in a BSc degree program who plan to undertake work at another university must receive prior written approval from the Department of Computer Science if they wish such courses to be credited towards the BSc degree.

Students authorized to attend another university who accept a degree from that institution give up the right to a University of Victoria degree until they have satisfied the University's requirements for a second bachelor's degree, page 40.

Interfaculty Programs

Students planning to complete a Double Major or Double Honours Program in Computer Science and another discipline may choose to register in the Faculty of Engineering or the faculty of the other discipline. Students can arrange for an Interfaculty Double Honours or Major program through the Computer Science Advising Office. Such programs involve satisfying the Honours or Major requirements of two disciplines in two different faculties. Agreement to details of all such programs must be signed by the student and by representatives of the academic units involved. Students undertaking an interfaculty program will be subject to the regulations of the faculty in which they are registered.

Only one BSc degree with a Double Major or a Double Honours or a Joint Major/Honours will be awarded on the recommendation of the faculty in which the student is registered.

Students in a Major or Honours Program may also arrange to undertake a Minor in the Faculties of Humanities, Science or Social Sciences.

ACADEMIC REGULATIONS

Academic Performance

Students in a BSc degree program are subject to the University regulations on academic performance (see Standing, page 38). In addition, a student graduating from any program offered by the Department of Computer Science in the Faculty of Engineering must present 60 units of credit that:

- satisfy the degree requirements
- contain no more than eight D grades (a maximum of 12 units) in those courses that have been completed at the University of Victoria. If the same course has been satisfactorily completed more than once at UVic, then the highest grade obtained is used.

Graduation Standing

The graduation standing for students in a BSc Major Program is determined in accordance with University regulations (see Standing, page 38). The graduation standing for students in a BSc Honours Program is determined in accordance with the regulations described under “Admission to the Honours Program”, page 81.

BSc PROGRAM REQUIREMENTS

Requirements Common to All BSc Degrees

Each candidate for a BSc degree is required:

1. to have satisfied the University English requirement
2. to include in the first 15 units presented for the degree not more than 9 units in Computer Science and at least 3 units from each of two other departments within the Faculties of Engineering, Humanities, Science or Social Sciences
3. to include in the next 15 units presented for the degree at least 3 units from a department in the Faculties of Engineering, Humanities, Science or Social Sciences other than Computer Science
4. to include in the remaining units presented for the degree at least 21 units of courses numbered at the 300 or 400 level (this is a general University regulation); 18 of these units must be taken at UVic
5. to satisfy the requirements of a Major or Honours program in Computer Science as specified below
6. to present credit in a minimum of 60 units of university-level courses numbered 100 and above; at least 30 of these 60 units must normally be completed at UVic
7. to have the Department's approval for all courses selected for elective credit.

Department of Computer Science

Professors Emeritus

Byron L. Ehle, AB (Whitman), MS (Stan), PhD (Wat)

John A. Ellis, BSc, MSc (Lond), MS (Ill Inst of Tech), PhD (Northw)

Eric G. Manning, BSc, MSc (Wat), PhD (Ill), FIEEE, PEng

Gholamali C. Shoja, BSEE (Kan St), MSEE (Northw), D Phil (Sus), PEng

Maarten van Emden, MSc (T. H. Delft), PhD (Amsterdam)

Professors

Daniel M. Hoffman, BA (SUNY), MS, PhD, (N Car, Chapel Hill), PEng

R. Nigel Horspool, BA (Cantab), MSc, PhD (Tor)

Valerie King, AB (Prin), JD, PhD (Calif, Berk)

D. Michael Miller, BSc (Winn), MSc, PhD (Man), PEng

Hausi A. Müller, Dipl El Eng (ETH Zürich), MS, PhD (Rice), Associate Dean Research, Faculty of Engineering

Jon C. Muzio, BSc, PhD (Nott)

Wendy J. Myrvold, BSc (McG), MMath, PhD (Wat)

D. Dale Olesky, BSc, MSc (Alta), PhD (Tor)

Frank Ruskey, BA, MA, PhD (Calif, San Diego)

Micaela Serra, BSc (Man), MSc, PhD (UVic)

Margaret-Anne Storey, BSc (UVic), PhD (Simon Fraser), Canada Research Chair in Human Computer Interaction for Software (Tier 2)

William W. Wadge, BA (Brit Col), PhD (Calif, Berk)

Sue Whitesides, MSc (Stanford), PhD (Wisconsin), Chair

Brian Wyvill, BSc (London), PhD (Bradford), Canada Research Chair in Computer Graphics (Tier 1)

Associate Professors

Yvonne Coady, BSc (Gonzaga U), MSc (Simon Fraser), PhD (Brit Col)

Daniela E. Damian, BSc (Babes-Bolyai U of Cluj-Napoca), MSc (Calgary), PhD (Calgary)

Sudhakar N.M. Ganti, BTech (JNTU), MTech (IIT), PhD (U of Ottawa)

Daniel M. Germán, BS (UPIICSA/IPN), MS (Coll of William and Mary), PhD (Wat)

Bruce Gooch, BSc, MSc, PhD (Utah)

Bruce Kapron, BMath (Wat), MSc (Simon Fraser), PhD (Tor)

Frank D.K. Roberts, MA (Cantab), MSc, PhD (Liv)

Ulrike Stege, Dipl Math (Albert-Ludwigs-Universität Freiburg), PhD (ETH Zürich), Director of Undergraduate Studies

Venkatesh Srinivasan, BE, MSc (Birla Inst. of Technology), PhD (Tata Inst. of Fundamental Research)

Alex Thomo, BSc (U of Piraeus), MSc, PhD (Concordia), Graduate Adviser

George Tzanetakis, BSE (U of Crete), MA, PhD (Princeton)

Jens H. Weber, Dr Rer Nat (Paderborn), BSENG Program Director

Kui Wu, BSc, MEng (Wuhan), PhD (Alberta)

Assistant Professors

Mantis H. M. Cheng, BMath, MMath, PhD (Wat)

Amy Gooch, BSc, MSc (Utah), PhD (Northwestern)

Jianping Pan, BE, PhD (Southeast Univ., Nanjing)

Melanie Tory, BSc (UBC), PhD (Simon Fraser)

Senior Instructors

Jason Corless, BSc, MSc (UVic)

LillAnne Jackson, BSc (Alberta), MSc (Lethbridge), PhD (Calgary), Associate Dean Undergraduate Studies, Faculty of Engineering

Mary Sanseverino, BSc, MSc (UVic)

Michael Zastre, BSc (Simon Fraser), MSc, PhD (UVic)

Lab Instructors

Bette Bultena, BSc, MSc (UVic)

William F. Gorman, BA (Queen's)

Victoria Li, BSc (Wuhan), MSc (Simon Fraser)

Professional Staff

Jillian Aschenbrenner, Programmer Analyst

Tomas Bednar, Programmer Analyst

Susan Fiddler, BMus (UVic), Placement Coordinator, Co-operative Education Co-ordinator (Engineering & Computer Science/Math Co-op)

Duncan Hogg, BSc, MSc (UVic), Co-operative Education Co-ordinator, (Engineering & Computer Science/Math Co-op)

Meeta Khurana, MSc (West), Software Engineering Cooperative Education Coordinator

Jane Guy, BSc (London), MSc (Zimbabwe), Academic Adviser

Melissa Ozard, Administrative Officer

Anissa St. Pierre, BSc (UVic), Executive Assistant, Enrolment Program

Paul Stead, Senior Programmer Analyst

Robert Taylor, Senior Systems Administrator

Allan Trumpour, BSc (UVic), Senior Programmer Analyst

Kathryn Wilson, BA (Emily Carr Inst. of Art and Design), Programmer Analyst

Adjunct Appointments

Ian Barrodale, BSc (Wales), MA (Brit Col), PhD (Liv), Adjunct Professor (2008-11)

Maurice Danard, BA (Brit Col), MA (Tor), PhD (Chic), Adjunct Professor (2008-11)

John Ellis, BSc, MSc (Lond), MS (Ill Inst of Tech), PhD (Northw), Adjunct Associate Professor (2008-11)

David G. Goodenough, BSc (Brit Col), MSc, PhD (Tor), FIEEE, Adjunct Professor (2008-11)

Ajay Kapur, BSc (Princeton), PhD (UVic), Adjunct Assistant Professor (2008-11)

Morgan Price, BSc (UVic), MD (Calgary) CCFP (UBC), Adjunct Assistant Professor (2008-11)

Pauline van den Driessche, PhD (Wales), Adjunct Professor (2009-12)

Maarten van Emden, MSc (T. H. Delft), PhD (Amsterdam), Adjunct Professor (2009-12)

COMPUTER SCIENCE PROGRAMS

Undergraduate Programs

The Department of Computer Science offers the following programs leading to the degree of Bachelor of Science:

- Major and Honours in Computer Science
- Major in Computer Science (Bioinformatics Option)
- Major in Computer Science (Business Option)
- Major in Computer Science (Computer Communications & Networks Option)
- Major in Computer Science (Computer Graphics and Gaming Option)
- Major in Computer Science (Mechatronics and Embedded Systems Option)
- Major in Computer Science (Software Engineering Option)
- Major in Computer Science (Theory Option)

Students who plan to pursue one of these programs and who meet the qualifications set out below should apply to the Undergraduate Admissions Office and should indicate that they wish to register in the Faculty of Engineering for their first year of study.

Students may complete a combined degree program in the following fields:

- Computer Science and Mathematics
- Computer Science and Statistics
- Geography and Computer Science (Geomatics)
- Health Information Science and Computer Science
- Music and Computer Science
- Physics and Computer Science
- Psychology and Computer Science
- Visual Arts and Computer Science

Students wishing to complete one of the combined degree programs in Computer Science and Mathematics, Statistics or Physics will normally register in the Faculty of Science for their first year.

Students wishing to complete a combined degree program in Health Information Science and

Computer Science will normally register in the Faculty of Human and Social Development.

Students wishing to complete a combined degree program in Visual Arts and Computer Science will normally register in the Faculty of Fine Arts.

Since students wishing to complete a combined degree program in Music and Computer Science are admitted into this program in the Faculty of Fine Arts at the end of first year, applicants will normally register in first year in one of the following faculties/programs for which they meet the admission requirements: Humanities, Science, Social Sciences, Engineering or Fine Arts.

Students wishing to complete a combined degree program in Psychology and Computer Science, or Geography and Computer Science will normally register in the Faculty of Social Sciences.

The department also offers the following General degree programs:

- BSc General in Computer Science
- BA General in Computer Science

Students wishing to complete a General degree in Computer Science will normally register in the faculty offering the second specialization area of their General degree in their first year. Students may also complete a Minor in Computer Science.

Computer Science Co-operative Education Programs

Please refer to the Faculty of Engineering Co-operative Education Programs General Regulations, page 101.

Computer Science/Mathematics Work Experience Program

Please refer to the Faculty of Engineering Co-operative Education Programs General Regulations, page 101.

Graduate Programs

The Department of Computer Science offers the following graduate degrees: MA, MSc, PhD. For information, please see the *UVic Graduate Calendar*.

Academic Advice

Students considering enrolment in a combined BSc in Computer Science should seek academic advice from the Advising Centre for the Faculties of Humanities, Science and Social Sciences, or the Department of Computer Science. Students considering or enrolled in a Major or Honours Program in Computer Science should seek academic advice through the Computer Science Advising Office. Students planning to complete a Major Program in Computer Science (Business Option) should consult the Computer Science Advising Office before completion of their first term of studies.

Students from outside British Columbia and students transferring from other post-secondary institutions must consult the department before enrolling in any Computer Science course.

Availability of Courses to Students in Other Faculties

All undergraduate courses offered by the Department of Computer Science may be taken by students in the Faculties of Humanities, Social Sciences and Science for credit towards a degree in those faculties.

English Requirement

Students taking a Major, Honours or combined degree program in Computer Science (except for a combined degree with Visual Arts, or a combined degree with Music) take ENGL 115 or 135. The level attained in the Language Proficiency Index (LPI) will determine which course should be taken. See Language Proficiency Index, page 30, for further information.

Limitation of Enrolment

Enrolment in certain Computer Science courses is limited. Enrolment in CSC 100, 105, 110 and 115 is on a first-come first-served basis.

Entry to the Major in Computer Science (Business Option) and the Major in Computer Science (Mechatronics and Embedded Systems Option) programs is limited. Students interested in these programs are advised to consult the Computer Science Co-operative Education Advising Office early in their first year of studies. Selection of students for entry to these programs will be based on GPA in required courses.

Advanced Placement

Students who demonstrate to the department that they have mastered the material of a course may be granted advanced placement.

Course Credit Restriction

Students may obtain credit for only one Computer Science course in each of the following pairs:

110 or 111	106 or 212	115 or 160
250 or 355	370 or 470	425 or 420
435 or 471	448A or 445	448B or 446

PROGRAM REQUIREMENTS

Major and Honours Programs

Students planning to complete a Major or Honours program in Computer Science, a Major in Computer Science (Software Engineering Option) or a Major in Computer Science (Business Option) register in the Faculty of Engineering. Students registered in another faculty may transfer into a BSc program in the Faculty of Engineering (see page 79).

All students planning to complete a Major or Honours Program in Computer Science must file a Record of Degree Program form before registering for third year in the Faculty of Engineering. Computer Science Degree Programs are submitted to the Computer Science Advising Office.

Admission to the Honours Program

Students who wish to be admitted to the Honours Program should apply to the Honours Adviser on completion of their second year. Entry requires a minimum GPA of 6.0 in all required second-year CSC, SENG, MATH and STAT courses.

Students may be admitted to the Honours Program upon completion of their third year provided they have a GPA of at least 6.0 in all CSC, SENG, MATH and STAT courses taken in their third year based on a minimum of 12 units of course work for that year.

A GPA of 6.0 in third year is needed to progress to fourth year in the Honours Program. Students who do not achieve this GPA will be required to transfer to the Major Program.

BSc Honours: Course Requirements

Year 1

CSC 106 or 212; 110, 115	4.5
MATH 100, 101, 122	4.5
ENGL 115 or 135	1.5
Electives	4.5
Total	15.0

Year 2

CSC 225 and 230	3.0
SENG 265	1.5
MATH 201 or 202	1.5
MATH 211, 222	3.0
ENGR 240 ¹	1.5
Electives	4.5
Total	15.0

Year 3

CSC 320, 330, 355, 360, 370	7.5
Two of CSC 305, 322, 326, 361, SENG 310, 321, 330	3.0
CSC 340 or 349A	1.5
STAT 252 or 255 or 260 ²	1.5
Elective	1.5
Total	15.0

Year 4

CSC 499 ⁵	1.5
6.0 units of CSC at the 400 level ⁴	6.0
Electives	7.5
Total	15.0

BSc Major: Course Requirements

Year 1

CSC 106 or 212; 110, 115	4.5
MATH 100, 101, 122	4.5
ENGL 115 or 135	1.5
Electives	4.5
Total	15.0

Year 2

CSC 225, 230	3.0
SENG 265	1.5
MATH 201 or 202	1.5
MATH 211, 222	3.0
ENGR 240 ¹	1.5
Electives	4.5
Total	15.0

Year 3

CSC 320, 330, 355, 360, 370	7.5
CSC 340 or 349A	1.5
STAT 252 or 255 or 260 ²	1.5
Electives ³	4.5
Total	15.0

Year 4

4.5 units of CSC at the 400 level ⁴	4.5
Electives ³	10.5
Total	15.0

1. ENGL 225 can be substituted for ENGR 240.

2. STAT 255 or 260 may be taken as early as the second term of the first year.

3. These 15 units must include at least 1.5 units of Computer Science or SENG courses at the 300 level or above.

4. Any 400-level SENG course can be substituted for one of these CSC electives.

5. Students with equivalent experience may replace CSC 499 by 1.5 units of 400-level CSC.

Major in Computer Science (Bioinformatics Option)

Year 1	
BIOL 190A	1.5
CHEM 101 or 150.....	1.5
CSC 106 or 212; 110, 115	4.5
ENGL 115 or 135.....	1.5
MATH 100, 101, 122.....	4.5
Elective	1.5
Total.....	15.0

Second- and Third-year Courses Sequence A: Probabilistic Modelling Emphasis

Year 2 Sequence A	
BIOC 299.....	1.5
BIOL 230	1.5
CHEM 231	1.5
CSC 225	1.5
MATH 200, 211, 222.....	4.5
SENG 265	1.5
STAT 260, 261	3.0
Total	15.0

Year 3 Sequence A	
BIOL 362	1.5
CSC 230, 320, 370	4.5
CSC 340 or 349A	1.5
ENGR 240 ¹	1.5
MATH 201, 352, 452.....	4.5
Elective	1.5
Total	15.0

Second- and Third-year Courses Sequence B: Biochemistry Emphasis

Year 2 Sequence B	
BIOL 225	1.5
BIOL 230	1.5
CHEM 231	1.5
CSC 225	1.5
ENGR 240 ¹	1.5
MATH 211, 222.....	3.0
SENG 265	1.5
STAT 260, 261	3.0
Total.....	15.0

Year 3 Sequence B	
BIOL 362	1.5
BIOC 300A and 300B	3.0
CHEM 232 or 235.....	1.5
CSC 230, 320, 370	4.5
CSC 340 or 349A	1.5
MATH 201 or 202.....	1.5
Electives.....	1.5
Total.....	15.0

Year 4 Sequences A and B	
BIOL 435	1.5
CSC 428, 498 ²	3.0
Electives ³	10.5
Total.....	15.0

1. ENGL 225 can be substituted for ENGR 240.

2. A Co-op work term in the area of Bioinformatics, plus 1.5 units of CSC at the 400 level can replace CSC 498.

3. These electives must include 3 units of CSC at the 400 level, and 1.5 units of CSC or SENG at the 400 level.

Major in Computer Science (Business Option)

This program is intended for students who wish to supplement studies in Computer Science with studies in Business. Entry to the program is limited. Students must be admitted to the program before registering in any Business courses. This is a mandatory Co-op program. Information on eligibility and application to the program is available from the Computer Science Advising Office.

Year 1	
CSC 106 or 212; 110, 115	4.5
MATH 100, 101, 122.....	4.5
ENGL 115 or 135.....	1.5
ECON 103 and 104.....	3.0
COM 220	1.5
Total	15.0

Year 2	
CSC 225, 230	3.0
SENG 265	1.5
MATH 201 or 202.....	1.5
MATH 211, 222.....	3.0
COM 240, 250, 270	4.5
ENGR 240 ¹	1.5
Total	15.0

Year 3	
CSC 320, 360, 370	4.5
One of CSC 375, SENG 330, 371.....	1.5
SENG 321	1.5
CSC 340 or 349A	1.5
STAT 252 or 255 or 260 ² , and MATH 242.....	3.0
COM 341 ³ , one of ENT 402, IB 301	3.0
Total	15.0

Year 4	
1.5 units of CSC and 1.5 of CSC or SENG at the 400 level.....	3.0
3 units of Business at the 400 level ⁴	3.0
Electives ^{4, 5}	9.0
Total	15.0

1. ENGL 225 can be substituted for ENGR 240.

2. STAT 255 or 260 can be taken as early as the second term of the first year.

3. COM 341 requires Statistics as a pre- or corequisite.

4. All 400 level Business courses require COM 220, 240, 250, 270, 341 as prerequisite.

5. These 9 units of electives must include at least 3 units chosen from Computer Science or SENG at the 300 or 400 level, or Business at the 400 level.

Major in Computer Science (Computer Communications & Networks Option)

This program is for students who wish to acquire a strong background in Communications and Networks. The Co-op option or the work experience option is strongly recommended.

Year 1	
CSC 106 or 212; 110, 115	4.5

ENGL 115 or 135.....	1.5
MATH 100, 101, 122.....	4.5
Electives ¹	4.5
Total	15.0

Year 2	
CSC 225, 230	3.0
ENGR 240 ²	1.5
MATH 201 or 202.....	1.5
MATH 211, 222.....	3.0
SENG 265	1.5
Electives ³	4.5
Total	15.0

Year 3	
CSC 320, 330, 350, 360, 361, 370	9.0
STAT 252 or 255 or 260	1.5
Electives.....	4.5
Total	15.0

Year 4	
3.0 units from CSC 463, 466, 467	3.0
3.0 units from CSC 461, 462, 446 ⁴	3.0
Electives.....	9.0
Total	15.0

1. Strongly recommended are ECON 103 plus PSYC 100 A & B or two from the list of COM 100, ECON 100, ECON 111, ECON 112.

2. ENGL 225 can be substituted for ENGR 240.

3. Strongly recommended amongst the electives are one of COM 220, ECON 112, ECON 203 and ECON 205.

4. A course chosen from the topics list for the computer networks option may be substituted.

Major in Computer Science (Computer Graphics and Gaming Option)

This program is for students who wish to acquire a strong background in graphics. The Co-op option or the work experience option is recommended.

Year 1	
CSC 110, 115; 167 or 106 or 212.....	4.5
MATH 100, 101, 122.....	4.5
ENGL 115 or 135.....	1.5
Electives ¹	4.5
Total.....	15.0

Year 2	
CSC 225, 230	3.0
SENG 265 ²	1.5
CSC 205 ²	1.5
MATH 201 or 202.....	1.5
MATH 211, 222 ²	3.0
ENGR 240 ³	1.5
STAT 252 or 255 or 260 ⁴	1.5
Elective ⁵	1.5
Total.....	15.0

Year 3	
CSC 305	1.5
CSC 340	1.5
CSC 320, 330, 350, 355, 360, 370	9.0
Electives ⁶	3.0
Total.....	15.0

Year 4

Three of CSC 471, 472, 473, 486	4.5
Electives ⁷	10.5
Total	15.0

1. Recommended are PSYC 100A and B or PHYS 120 and ART 100-level
2. Students are strongly recommended to complete SENG 265 and MATH 211 before taking CSC 205
3. ENGL 225 can be substituted for ENGR 240.
4. STAT 260 may be taken as early as the second term of the first year.
5. Recommend CSC 299.
6. Recommend SENG 310, CSC 326, CSC 426
7. Recommend CSC 490 courses with the Graphics Faculty

Major in Computer Science (Mechatronics and Embedded Systems Option)

This program provides theoretical and practical training in microprocessors, software, electronics, sensors and actuators, and their integration into designs for mechatronics and embedded systems. The uniqueness associated with mechatronics comes from its exploitation of real-time computation to create intelligent electro-mechanical systems.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

Enrolment in this program is limited. This is a mandatory Co-op program. Information on eligibility and application to the program is available from the Computer Science Advising Office.

Year 1

CSC 106 or 212; 110, 115	4.5
ENGL 115 or 135	1.5
ENGR 240 ¹	1.5
MATH 100, 101, 122	4.5
MATH 110 or 211	1.5
Elective	1.5
Total	15.0

Year 2

CSC 225, 230	3.0
SENG 265	1.5
MATH 200, 201, 222	4.5
ELEC 216 or PHYS 216	1.5
ELEC 250, 260	3.0
STAT 252 or 255 or 260	1.5
Total	15.0

Year 3

CSC 320, 330, 355, 360	6.0
CSC 340 or 349A	1.5
SENG 321	1.5
SENG 440	1.5
ELEC 310, 365	3.0
MECH 458	1.5
Total	15.0

Year 4

CSC 370, 460	3.0
ELEC 466	1.5
ENGR 466	3.0
MECH 466	1.5
SENG 466	1.5

Electives	4.5
Total	15.0

1. ENGL 225 can be substituted for ENGR 240.
2. Students must contact the Computer Science Co-op Advising Office in order to register for MATH 110.

Major in Computer Science (Software Engineering Option)**Year 1**

CSC 106 or 212; 110, 115	4.5
MATH 100, 101, 122	4.5
ENGL 115 or 135	1.5
Electives	4.5
Total	15.0

Year 2

CSC 225, 230	3.0
SENG 265	1.5
MATH 201 or 202	1.5
MATH 211, 222	3.0
ENGR 240 ¹	1.5
STAT 252 or 255 or 260 ²	1.5
Electives	3.0
Total	15.0

Year 3

CSC 320, 330, 355, 360, 370	7.5
CSC 340 or 349A	1.5
4.5 units from SENG 310, 321, 330, 371	4.5
Elective	1.5
Total	15.0

Year 4

SENG 401	1.5
6.0 units of SENG courses at the 400 level	6.0
Electives	7.5
Total	15.0

1. ENGL 225 can be substituted for ENGR 240.
2. STAT 255 or 260 may be taken as early as the second term of the first year.

Major in Computer Science (Theory Option)

This program is for students who wish to acquire a strong background in the Theory of Computer Science.

Year 1

CSC 106 or 212; 110, 115	4.5
MATH 100, 101, 122	4.5
ENGL 115 or 135	1.5
Electives	4.5
Total	15.0

Year 2

CSC 225, 230	3.0
SENG 265	1.5
MATH 201 or 202	1.5
MATH 211, 222	3.0
ENGR 240 ¹	1.5
Electives	4.5
Total	15.0

Year 3

CSC 320, 322, 326; 340 or 349A	6.0
Three of CSC 330, 355, 360, 370	4.5
STAT 260 ²	1.5

Electives	3.0
Total	15.0

Year 4

Three of CSC 422, 423, 425, 426, 428, 428A, 429, 445, 449, 482	4.5
Other courses	10.5
Total	15.0

1. ENGL 225 can be substituted for ENGR 240.
2. STAT 260 can be taken as early as the second term of the first year.

Combined Programs in Computer Science and Mathematics, and Computer Science and Statistics

For a Combined BSc degree in Computer Science and Mathematics, or Computer Science and Statistics, students may take a Major or Honours Program. These programs are not joint degrees in Computer Science and Mathematics, but a single degree program composed of a selected combination of courses from each of the departments. Students opting for any of these combined programs are registered in the Faculty of Science and must contact the Computer Science and Mathematics and Statistics departments.

Each student will be assigned an adviser from each of these departments. Students considering proceeding to graduate work in Computer Science, Mathematics or Statistics must consult with their advisers prior to making their final choice of courses.

Students planning to complete one of the Combined Major or Honours Programs in Computer Science and Mathematics or Computer Science and Statistics normally register in the Faculty of Science.

Admission to the Combined Programs in Computer Science and Mathematics or Computer Science and Statistics

Students who wish to be admitted to one of the Combined Honours Programs should apply in writing to the Honours Advisers of both departments on completion of their second year. Normally a student will be admitted to the Combined Honours program only if the student has:

1. completed CSC 110, 115, 106 or 212, 225, 230, and SENG 265
2. completed at least 10.5 units of the Mathematics and Statistics courses required for the degree
3. attained a grade of at least B+ in all 200-level Computer Science and SENG courses
4. attained a GPA of at least 6.5 in all 200-level Mathematics and Statistics courses

Students may also be admitted to one of the Combined Honours Programs upon completion of their third year providing they have:

1. completed all of the 100-level and 200-level courses required for the relevant Combined Honours degree with a grade point average of at least 6.0 in these courses
2. completed at least 4.5 units of 300-level courses in Computer Science (including CSC 320 and 349A) and 4.5 units in Mathematics and Statistics (including MATH 300 or 336; 312 for the Mathematics option, or STAT 350 and 353 for the Statistics option) and have obtained a grade point average of at least 6.0

in all 300-level Computer Science, Mathematics, and Statistics courses taken

Combined Honours students are expected to maintain a GPA of at least 5.0 in their third year to remain in the program.

BSc Honours: Combined Program in Computer Science and Mathematics

Year 1	
CSC 106 or 212; 110, 115	4.5
MATH 100, 101, 122	4.5
ENGL 115 or 135	1.5
STAT 260	1.5
Electives	3.0
Total	15.0

Year 2	
CSC 225, 230, SENG 265	4.5
MATH 200 (or 205), 201, 211, 212, 222, 236	9.0
ENGR 240 ¹	1.5
Total	15.0

Year 3	
CSC 320, 322, 326, 349A	6.0
MATH 300 or 336 ² ; 301, 311, 312	6.0
STAT 261	1.5
Electives ⁴	1.5
Total	15.0

Year 4	
CSC 499	1.5
Two of CSC 425, 445, 449, 484	3.0
Electives ⁴	10.5
Total	15.0

BSc Major: Combined Program in Computer Science and Mathematics

Year 1	
CSC 106 or 212; 110, 115	4.5
MATH 100, 101, 122	4.5
ENGL 115 or 135	1.5
STAT 260	1.5
Electives	3.0
Total	15.0

Year 2	
CSC 225, 230, SENG 265	4.5
MATH 200 (or 205), 201, 211, 212, 222, 236	9.0
ENGR 240 ¹	1.5
Total	15.0

Year 3	
CSC 320, 326, 349A	4.5
MATH 300 or 336 ² ; 301, 312	4.5
One of MATH 311, 322	1.5
STAT 261	1.5
Electives ³	3.0
Total	15.0

Year 4	
Electives ³	15.0
Total	15.0

1. ENGL 225 can be substituted for ENGR 240.
2. Students intending to take MATH 401, 435 or 446 must take 336.
3. These 18.0 units of electives must include at least 1.5 units from the Department of Computer

Science at the 300 level or above, and at least 9 units from the Departments of Computer Science and/or Mathematics and Statistics at the 300 level or above, with at least 6 of these units at the 400 level. These 9 units may also include CENG 420 and a maximum of two SENG courses with at least one at the 400 level. In selecting these courses, students must take at least 3 of these units in each of the two departments.

4. These 12.0 units of electives must include at least 1.5 units at the 300 level or above from the Department of Mathematics and Statistics, and at least 1.5 units at the 300 level or above and 4.5 units at the 400 level from the Departments of Computer Science and/or Mathematics and Statistics. CENG 420 and a maximum of two SENG courses with at least one at the 400 level may be substituted for these Computer Science courses.

BSc Honours: Combined Program in Computer Science and Statistics

Year 1	
CSC 106 or 212; 110, 115	4.5
MATH 100, 101, 122	4.5
ENGL 115 or 135	1.5
Electives	4.5
Total	15.0

Year 2	
CSC 225, 230, SENG 265	4.5
MATH 200 (or 205), 201, 211	4.5
STAT 260, 261	3.0
ENGR 240 ¹	1.5
Electives	1.5
Total	15.0

Year 3	
CSC 320, 322, 326, 349A	6.0
MATH 222	1.5
STAT 350, 353	3.0
Electives ⁴	4.5
Total	15.0

Year 4	
Two of CSC 425, 445, 446, 449, 484	3.0
CSC 499	1.5
STAT 450	1.5
Three of MATH 452, STAT 354, 355, 357, 453, 454, 455, 456, 457, 458, 459 ³	4.5
Electives ⁴	4.5
Total	15.0

BSc Major: Combined Program in Computer Science and Statistics

Year 1	
CSC 106 or 212; 110, 115	4.5
MATH 100, 101, 122	4.5
ENGL 115 or 135	1.5
Electives	4.5
Total	15.0

Year 2	
CSC 225, 230, SENG 265	4.5
MATH 200 (or 205), 201, 211	4.5
STAT 260, 261	3.0
ENGR 240 ¹	1.5
Electives	1.5
Total	15.0

Year 3	
CSC 320, 326, 349A	4.5
MATH 222	1.5
STAT 350, 353	3.0
Electives ²	6.0
Total	15.0

Year 4	
Three of STAT 354, 355, 357, 450, 453, 454, 455, 456, 457, 458, 459 ³	4.5
Electives ²	10.5
Total	15.0

1. ENGL 225 can be substituted for ENGR 240.
2. These 16.5 units of electives must include at least 1.5 units of Computer Science at the 300 level or higher, at least 3 units of Computer Science at the 400 level and at least 4.5 additional units of Computer Science, Mathematics or Statistics at the 300 level or higher. In selecting these latter 4.5 units, students are encouraged to take at least one course from each of the two Departments. CENG 420 and a maximum of two SENG courses with at least one at the 400 level may be substituted for these Computer Science courses.
3. STAT 454 can be taken more than once in different topics.
4. These 9 units of electives must include at least 4.5 units of Computer Science, Mathematics or Statistics at the 300 level or higher. These 4.5 units may also include CENG 420 and a maximum of two SENG courses with at least one at the 400 level. In selecting these courses, students are encouraged to take at least one course from each of the two Departments.

Combined Program in Geography and Computer Science (Geomatics)

The Department of Geography and the Department of Computer Science have designed a program leading to a combined BSc Major Degree. The Geomatics program is aimed at students whose interests span the fields of cartography, Computer Science, Geographic Information Systems, remote sensing, spatial analysis and surveying.

Students intending to pursue this combined program must consult the Undergraduate Adviser in either Geography or Computer Science after completing all of the first-year requirements.

Geography and Computer Science (Geomatics) Program Requirements

Year 1	
CSC 106 or 212; 110, 115	4.5
ENGL 115 or 135	1.5
GEOG 101A, 101B	3.0
MATH 100 and 101, or MATH 102 and 151	3.0
MATH 122	1.5
Elective	1.5
Total	15.0

Year 2	
CSC 225, 230	3.0
ENGR 240 ¹	1.5
GEOG 222, 226, 228	4.5
SENG 265	1.5
Electives	4.5
Total	15.0

Year 3	
CSC 360, 370	3.0
GEOG 319 or 322 ²	1.5
GEOG 328 or 329	1.5
GEOG 323, 325	3.0
SENG 310	1.5
1.5 units of CSC at the 300 level	1.5
Electives	3.0
Total	15.0

Year 4	
GEOG 422, 428	3.0
CSC 305 or 426 ³	1.5
Two of GEOG 418, 420	3.0
3.0 units of CSC at the 400 level ⁴	3.0
Electives	4.5
Total	15.0

1. ENGL 225 can be substituted for ENGR 240.
2. Students interested in remote sensing wishing to advance to GEOG 422 are encouraged to take both GEOG 319 and GEOG 322.
3. CSC 305 requires MATH 233A as prerequisite.
4. These 3 units of CSC courses at the 400 level may include CENG 420 and/or 1.5 units of SENG at the 400 level.

Combined Major Program in Health Information Science and Computer Science

Enrolment in this program is limited. Students must contact either the School of Health Information Science or the Department of Computer Science before registering in any courses. This is a mandatory Co-op program. Students with a previous degree in Computer Science or a related degree are not eligible for this combined program (see page 27). Students who have failed a work term or do not maintain a GPA of 3.5 or better in each academic term will normally be required to withdraw from the School for at least one calendar year. This is a full-time program only.

Year 1	
HINF 130, 140	3.0
MATH 100, 101, 122	4.5
CSC 106 or 212; 110, 115	4.5
ENGL 115 or 135	1.5
Elective ¹	1.5
Total	15.0

Year 2	
HINF 200, 201, 280	4.5
1 HINF course at the 200 level	1.5
MATH 222	1.5
STAT 255 or 260	1.5
CSC 225, 230	3.0
SENG 265	1.5
ENGR 240	1.5
Total	15.0

Year 3	
3 HINF courses at the 300 level	4.5
CSC 375	1.5
2 of CSC 320, 322, 330, 355, 360, SENG 321	3.0
Electives	6.0
Total	15.0

Year 4	
2 HINF courses at the 400 level	3.0
3 CSC courses at the 400 level ²	4.5
Other courses ³	7.5
Total	15.0

1. Students without grade 12 Biology must replace this elective by one of EPHE 141, BIOC 102, BIOL 150A or BIOL 190A.
2. One of these courses may be SENG at the 400 level.
3. These 7.5 units of other courses must be at the 300 level or higher, and must include at least 3 units chosen from Health Information Science, Computer Science or SENG.

Combined Major in Music and Computer Science

The School of Music and the Department of Computer Science have designed a combined program leading to either a Bachelor of Fine Arts or a Bachelor of Science degree.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program. The application date for the first year of this program is 15 May for entry in September, but later applications to this program may be considered for students who have applied for admission to another program at UVic. When all first year requirements have been met, the application date for September entry to the second year of this program is May 1 and the document deadline is July 1.

Enrolment in this program is limited. Students are admitted to the program at the end of first year.

Year 1	
MUS 101A, 101B	3.0
MUS 115	3.0
MUS 170A, 170B	1.0
MUS 207	1.5
MATH 100, 101, 122	4.5
CSC 110, 115	3.0
Total	15.0

Year 2	
MUS 105	2.0
MUS 180 or 181 or MUS 270A and 270B ⁶	1.0
MUS 201A, 201B	3.0
CSC 225, 230	3.0
MATH 211	1.5
SENG 265	1.5
ELEC 255 or 260	1.5
Electives ¹	1.5
Total	15.0

Year 3	
MUS 301A, 301B, 306, 307	6.0
ELEC 310	1.5
Four of: CSC 330, 355, 360, 361, 370, ELEC 407, SENG 310, 330 ²	6.0
Elective	1.5
Total	15.0

Year 4	
Five of MUS 401C, 406A, 406B, 407, CSC 475, 497, ELEC 484, 486, 459 ^{2,3,5}	7.5
One MUS at the 300/400 level	1.5

Two CSC at the 400 level ⁴	3.0
Electives ⁷	3.0
Total	15.0

1. Students who are not exempt from the Undergraduate English requirement should choose 1.5 units of first-year English.
2. ELEC 407 and 484 are only offered in the summer term.
3. ELEC 459 requires ELEC 407 as a prerequisite.
4. One of these courses may be SENG at the 400 level.
5. At least 4.5 units must be MUS courses.
6. MUS 180 or 181 must be completed before the end of Year 2. MUS 270A/B must be taken concurrently with MUS 201A/B.
7. May include 300- or 400-level music courses, with permission of the instructor.

Combined Programs in Physics and Computer Science

First- and Second-year Courses

Year 1	
PHYS 120 and 130; or 112	3.0
MATH 100, 101, 122	4.5
CSC 106 or 212; 110, 115	4.5
ENGL 115 or 135	1.5
Elective	1.5
Total	15.0

Year 2	
PHYS 214, 215, 216	4.5
MATH 200, 201, 211	4.5
CSC 225, 230	3.0
CSC 242 or PHYS 242	1.5
SENG 265	1.5
ENGR 240	1.5
Total	16.5

Third and Fourth Years: Honours Program

Admission to the third and fourth years of the Honours Program requires permission of both departments.

Year 3	
PHYS 325, 326	3.0
MATH 300, 301, 342, 346	6.0
CSC 320, 349A, 355, 360	6.0
One of CSC 445, 446, 449, 484	1.5
Total	16.5

Year 4	
PHYS 317, 321A, 321B, 323, 422	7.5
PHYS electives ¹	4.5
CSC 499 or PHYS 429B	1.5
CSC electives ²	4.5
Total	18.0

Third and Fourth Years: Major Program

Year 3	
PHYS 325, 326	3.0
MATH 300, 301, 342, 346	6.0
CSC 349A, 355, 360	4.5
One of CSC 445, 446, 449, 484	1.5
Total	15.0

Year 4	
PHYS 317, 321A, 323	4.5

PHYS electives ¹	4.5
CSC 320	1.5
CSC electives ³	4.5
Total	15.0

1. These Physics electives must be at the 300 level or higher. These electives must be chosen in consultation with the Department of Physics and Astronomy. One of PHYS 460 and ASTR 460 is recommended for third and fourth year students.

2. These 4.5 units of Computer Science electives must be at the 400 level and may include CENG 420 or 1.5 units of SENG courses.

3. At least 3 of these 4.5 units of Computer Science electives must be at the 400 level. A maximum of 3 of these units can be SENG courses at a similar level.

Combined Major in Psychology and Computer Science

The Department of Psychology and the Department of Computer Science have designed a program leading to a combined BSc Major Degree. This is a single degree program composed of a selected combination of courses from each of the departments. Students intending to pursue this combined program must consult the Undergraduate Adviser in either Psychology or Computer Science at the latest after completing all of the first-year requirements⁵.

Year 1	
BIOL 190A or 215, 190B.....	3.0
CSC 110, 115	3.0
ENGL 115 or 135	1.5
MATH 151, 122 ¹	3.0
PSYC 100A, 100B ²	3.0
Elective	1.5
Total	15.0

Year 2	
CSC 106 or 212; 225, 230	4.5
ENGR 240	1.5
MATH 102, 222 ¹	3.0
PSYC 201, 215A ²	3.0
SENG 265	1.5
Electives.....	1.5
Total	15.0

Year 3	
1 of CSC 322, 326, 360, 370.....	1.5
PSYC 300A and 300B or STAT 255 and 256 ²	3.0
PSYC 300 level ³	3.0
SENG 310 or CSC 320 ⁶	1.5
Electives.....	6.0
Total	15.0

Year 4	
CSC 421 or CENG 420.....	1.5
CSC 400 level ⁴	4.5
CSC 497	1.5
PSYC 300/400 level ³	4.5
Electives.....	3.0
Total	15.0

1. Students can replace MATH 151 and 102 with MATH 100 and 101.

2. Minimum grade requirements:

- PSYC 100A and 100B with a grade of at least C+ in each

- PSYC 201, 215A with a grade of at least C in each

- PSYC 300A, 300B with a grade of at least C in each

3. These 7.5 units of 300 and 400 level PSYC must include at least one 400 level PSYC course other than PSYC 400A, 401, 490, or 499. The following upper-level courses are suggested according to student interests:

Artificial Intelligence:

PSYC 311B, 317A, 317B, 323 (215A is a prerequisite), and related 400-level courses

Human Factors and Computer-Human Interfaces:

PSYC 311B, 317A, 317B, 334, 250 and related 400-level courses

Game Programming:

PSYC 311, 335, 336, 339, 340 and related 400-level courses

4. One of these CSC 400 level courses may be replaced by a SENG 400 level course.

5. Students in this combined program who wish to participate in the Co-op Program must be accepted by the Co-op Programs of both Computer Science and Psychology. They must complete two work terms in each Co-op program in order to complete their Co-op degree requirements. Should the admission and graduation requirements vary in the two program areas, students must meet the lower GPA requirement.

6. Students choosing Computer-Human Interface courses in Psychology should enrol in SENG 310. All other students should enrol in CSC 320.

7. Students who take Psyc 300A and 300B need an additional 7.5 units of upper-level psychology courses; students who take STAT 255 and 256 need an additional 10.5 units of upper-level psychology courses.

Combined Major Program in Visual Arts and Computer Science

The Department of Visual Arts and the Department of Computer Science have designed a combined program leading to either a Bachelor of Fine Arts or a Bachelor of Science degree. Enrolment in this program is limited. Students are admitted to the program at the end of first year.

Year 1	
ART 103, 104, 105, 106.....	6.0
MATH 100, 101, 122.....	4.5
CSC 110, 115	3.0
Elective ¹	1.5
Total	15.0

Year 2	
ART 150	1.5
5 of ART 201, 202, 211, 212, 221, 222, 241, 242, 261, 262, 271, 272	7.5
MATH 211.....	1.5
CSC 225, 230	3.0
SENG 265	1.5
Total	15.0

Year 3	
6 units of ART at the 300-level.....	6.0
2 of CSC 330, 355, 360, 370, SENG 330.....	3.0
SENG 310	1.5
Electives.....	4.5
Total	15.0

Year 4

6 units of ART at the 300- or 400-level	6.0
CSC 305	1.5
2 CSC at the 400-level ²	3.0
Electives.....	4.5
Total	15.0

1. Students who need to fulfill the UVic English requirement should use this elective option to do so.

2. One of these courses may be SENG at the 400 level.

General Degree (BA or BSc - Faculties of Humanities, Science and Social Sciences)

Admission to the General Program

Students intending to complete a General degree in Computer Science will normally register in the faculty of the second area of specialization required in the degree.

Completion of the following set of courses satisfies the requirements for a BA or BSc General Degree in Computer Science as offered by the Faculties of Humanities, Social Sciences and Science. Students wishing to complete a General Program should register in whichever of these three faculties is appropriate based on their second area of specialization.

Year 1

CSC 110, 115
MATH 100 and 101, or 102 and 151
MATH 122

Year 2

CSC 106 or 212; 225, 230
SENG 265
STAT 252 or 254 or 255 or 260 or ECON 246

Years 3 and 4

A total of 9 additional units of Computer Science courses numbered 300 or higher. Two of these CSC courses can be replaced by SENG courses at a similar level.

MINOR IN COMPUTER SCIENCE

Students in other departments may complete a Minor in Computer Science by completing the Major or Honours requirements of that department, in conjunction with either the Computer Science General Program requirement or by completing the set of courses listed below.

Year 1

CSC 110, 115	3.0
MATH 100 or 102.....	1.5
MATH 122.....	1.5
MATH 151 or any Statistics 200-level (or equivalent) course.....	1.5

Year 2

CSC 106 or 212; 225, 230	4.5
SENG 265	1.5

Year 3

3 additional CSC courses numbered 300 or higher (one of these can be replaced by a SENG course at a similar level)

Note that 200 level and higher courses that fulfill requirements for a Minor cannot form part of the requirements for the Major or Honours

degree. Any such course in the Minor program may be replaced by another Computer Science course at the same level or higher.

Bachelor of Engineering and Bachelor of Software Engineering Academic Regulations

PROGRAM ADMISSIONS

Application forms for undergraduate admission to the BEng and BSEng degree programs are available from Undergraduate Admissions and Records Services.

Completed applications must be submitted to Undergraduate Admissions and Records Services by April 30; the documentation deadline is May 31. Applicants will receive written acknowledgement that their application for admission to the BEng or BSEng degree program has been received by Undergraduate Admissions and Records Services and confirmation that their admission file is complete.

Students admitted to the BEng or BSEng degree program normally begin first-year Engineering courses in the September-December term each year.

International Students

The University has a primary obligation to permanent residents of Canada. Nevertheless, a limited number of international students may be admitted to the BEng and BSEng degree programs.

ADMISSION REQUIREMENTS

Graduates of BC Secondary Schools

Requirements for admission to the BEng and BSEng degree program for graduates of BC Secondary Schools are presented on page 24.

Graduates from Canadian Secondary Schools Outside BC

Graduates of secondary schools in Canadian provinces other than British Columbia require qualifications in mathematics, physics and chemistry equivalent to those specified as admission requirements for BC secondary school graduates (see page 24). Applicants are advised to contact Undergraduate Admissions and Records Services for further information regarding requirements.

Transfer Applicants College Transfer

Colleges throughout British Columbia offer first-year university transfer programs in engineering. Students who successfully complete one of these programs are eligible for admission to second year engineering at UVic if they have attained an overall standing of at least 67%.

Applicants Transferring from First-Year Science

Applicants who have completed first-year Science at a university or college are eligible to be considered for admission. Applicants will be evaluated on a course-by-course and student-by-student basis. Applicants in this category should normally have taken at least 12 units of courses which transfer to the University of Victoria as CSC 110, MATH 100 and 101, PHYS 120 or 112, ENGL 115 or 135 or another first-year English course, and 4.5 units of other electives.

The following courses are recommended as electives: CSC 115, CHEM 101 and 102, MATH 211 or 233A and a technical writing course. Students admitted with less than 15 units of credit that are applicable to the program may be required to take courses during a period when a Work/Other term is normally scheduled.

Applicants Transferring from a Two-Year Diploma Program

On successful completion of the appropriate six-month Engineering Bridge Program offered at Camosun College, students with two-year diplomas in Electronics or Mechanical or Computer Technology may be admitted to the third year of a BEng program. On successful completion of the six-month Software Engineering Bridge Program offered at Camosun College, students with a two-year diploma in Computer Technology may be admitted to Term 2B of the BSEng Program. Acceptance into the Bridge and BEng or BSEng Programs is decided on an individual basis and must be obtained from the Faculty of Engineering before registration in any of the bridge courses or senior-level courses will be approved.

Credit for Courses Offered by Other Faculties or Institutions

The Faculty of Engineering may grant credit to applicants to the BEng or BSEng degree program for courses taken at UVic or at other post-secondary educational institutions. A Letter of Permission must be obtained from the BEng or BSEng Office prior to undertaking studies at another institution for credit towards the UVic degree program. See Letters of Permission for UVic Students to Undertake Studies Elsewhere, page 29. Credit will be considered only for courses

Substitutions for BEng and BSEng Program Courses

Engineering Courses	Substitute Courses
CHEM 150	CHEM 101
ELEC 216	PHYS 216
ENGR 240	ENGL 225
MATH 110 or 133	MATH 211 or 233A
PHYS 122	PHYS 120
PHYS 122 & 125	PHYS 112
STAT 254	STAT 260

that are equivalent to courses in the BEng or BSEng degree program and in which satisfactory performance has been achieved. For courses with prefixes CENG, ELEC, ENGR, MECH and SENG, detailed documentation supporting the credit request may be required; students should contact the BEng or BSEng Office for specific instructions before beginning studies in the faculty. Credit for courses completed while outside the Faculty of Engineering will only be granted for courses in which a grade of C- or higher, or the equivalent, was awarded. For some courses a higher minimum grade may be required. The student must initiate all requests for course credit in the first term (four months) of registration in the BEng or BSEng program.

Course Challenges

The Faculty of Engineering does not offer course challenges.

Approved Substitutions for Courses Taken at UVic

Substitutions may be permitted, on a course-by-course basis, for students transferring into the BEng and BSEng program, when the substitute course is taken at the University of Victoria. See the table "Substitutions for BEng and BSEng Program Courses."

Readmission to the Faculty

Students who have withdrawn voluntarily from the BEng or BSEng degree programs and later reapply for admission must do so by the prescribed deadlines and will be considered in competition with all other applicants and in the context of space availability at the time of reapplication.

An application for readmission from a student who has been required to withdraw must be submitted by the prescribed deadlines. Readmission will not be granted for at least 12 months following the date of required withdrawal. It is expected that students in this category will register in a set of courses that demonstrate some improved level of technical competence. As a result of these studies, their academic standing must be evaluated as satisfactory or readmission will not be considered. Meeting all of the above requirements does not guarantee readmission to the program since a reapplication will be considered in competition with all other applicants and in the context of space availability at the time of reapplication. A student who is required to withdraw and is then readmitted will be placed on Probation and must obtain Satisfactory Standing at the next regular standing evaluation.

Academic and Work/Other Term Schedule

Year	September-December	January-April	May-August
1	Academic Term 1A	Academic Term 1B	Work/Other Term
2	Academic Term 2A	Work/Other Term	Academic Term 2B
3	Work/Other Term	Academic Term 3A	Work/Other Term
4	Academic Term 3B	Work/Other Term	Academic Term 4A
5	Work/Other Term	Academic Term 4B	

ACADEMIC REGULATIONS

Academic Terms and Academic Years

The academic schedule for the BEng and BSEng degree programs consists of eight academic terms (two per academic year) and six work/other terms.

The academic terms are scheduled from September to December, January to April, and May to August. The schedule for academic terms and work/other terms is shown in the table "Academic and Work/Other Term Schedule." Four of the six work/other terms are normally used to satisfy the cooperative education requirements of the particular degree program being completed by the student. The remaining two terms (8 months) may be used for other academic work (completion of the Management Option, an available option, or a Minor), gaining additional work experience, or any other activity the student wishes to pursue. Please refer to the appropriate program entry for the course schedule for each academic term in a specific program.

Any deviations from the academic schedule shown below require the written approval of the Dean of the Faculty.

Each student in a BEng or BSEng degree program will be assigned to a graduating class, which at any point in time will determine the student's current academic term or work/other term for the purposes of other regulations.

Course Load and Program Completion Regulations

The BEng and BSEng programs are designed to be completed on a full-time basis. The normal course load is:

- Academic term 1A: 7.5 units
- Academic term 1B: 8.5 units
- Academic terms 2A through 4B: 9.0 units

Students whose course load falls below four courses in any four-month academic term require written permission of the Dean to participate in the Co-op placement process during that term. Non-participation in the regular Co-op placement process does not relieve a student of the responsibility to complete at least four work terms (as defined by the student's registered program) in order to graduate from the program.

Program Change Requests

Students who have completed at least one term (two terms for first-year students) of full-time studies in the BEng or BSEng programs at UVic who wish to alter the prescribed program must file a Modified Program Application form with their respective departmental office.

Program change requests, including requests for leaves of absence, will be forwarded to the Dean, who will either approve or deny them, based in part on input received from the department concerned. Students must submit their requests before actually dropping or adding courses. Although every effort will be made to detect problems during this review process, students are solely responsible for difficulties resulting from prerequisite and timetable conflicts.

If program changes result in time away from the program, readmission to the program will depend on space being available at the time of re-entry and the student's academic status at the time of the readmission request. Approval of a

leave of absence does not guarantee the absence of timetable conflicts upon the student's reregistration into the program. The period of the leave of absence will not be included in the overall time for degree completion; however, the faculty reserves the right to require that relevant course work be repeated if deemed necessary by the Dean and the department concerned.

Maximum Time for Degree Completion

Students not completing their programs within the specified time limits must have their program extension approved by the Dean. The starting month in determining the length of a student's program is the first month in which courses are taken in the BEng or BSEng programs at UVic.

Year of Entry into the BEng or BSEng Program	1	2	3
Normal Time to Complete (months)	56	44	28-36
Maximum Time to Complete (months)	80	68	48

In exceptional circumstances, a student may undertake programs not bound by the above regulations. Such programs must be approved by the Dean before the student begins studies in the Faculty of Engineering.

Academic Performance

Grading

The grading system used for the BEng and BSEng degree programs is the same as that specified by the University (see Grading, page 37).

It is faculty policy to award the grade of E to students in a CENG, ELEC, ENGR, MECH or SENG prefixed course if they fail the course with a mark of 35% or higher and have written the final examination and passed the lab (if present).

Review of an Assigned Grade in BEng and BSEng Program Courses, Work Terms, and Work Term Modules

- Any request for a review of a final grade must normally reach the Dean's office within 21 days after the release of assigned grades.
- The review of a final grade is restricted to grade components contributed by a final examination and to any other grade components released to the student within the last 21 days before the end of classes.
- In the case of a work term or work term module evaluation, the review will be restricted to the component on which a failing grade was assigned.
- The grade determined by means of a review will be recorded as the final official grade, regardless of whether it is identical to or higher or lower than the original grade.

- Before requesting a review, students should make every reasonable effort to discuss the assigned grade with the instructor. Mathematical marking errors will be rectified without recourse to the review procedures.

Reviews of Academic Performance

The standing of students in the BEng and BSEng programs is determined by their sessional grade point average as described below. The sessional grade point average is based on all courses completed in a given winter or summer session which have a unit value (see Standing, page 40). Courses bearing the grade of COM or DEF are not included in the calculation of the grade point average. Grades obtained in supplemental examinations (please refer to the section on Supplemental Examinations later in this section) will be treated as described in the University Regulations on page 36. Grades from the BEng and BSEng Management Option will not be included in the graduation average. Grades for courses taken at outside institutions are not included in the GPA.

BEng and BSEng Standings

Satisfactory Standing

A student is in Satisfactory Standing if his or her sessional GPA is greater than or equal to 3.0.

A student with Satisfactory Standing may proceed in the program.

Probationary Standing

A student registered in 4.5 units or more whose sessional GPA is greater than or equal to 2.0 but less than 3.0 is in Probationary Standing.

A student registered in less than 4.5 units whose sessional GPA is less than 2.0 is in Probationary Standing.

A student with Probationary Standing must attain a GPA greater than 3.0 in the next session to clear his or her Probationary Standing, otherwise the student will be placed in Failed Standing.

Failed Standing

A student registered in 4.5 units or more whose sessional GPA is less than 2.0 is in Failed Standing.

A student with Probationary Standing whose sessional GPA falls below 3.0 is in Failed Standing.

A student with Failed Standing in the BEng or BSEng program is required to withdraw from the program and will not be considered for readmission for at least one year. Please refer to the Readmission to the faculty section in this calendar entry.

A student with Failed Standing in the BEng or BSEng program who also has University Failed Standing is required to withdraw from UVic and will not be considered for readmission for at least one year.

Supplemental Examination Dates and Deadlines

Term in which E Grade Was Obtained	Application Deadline for Supplemental Examination	Supplemental Examination Date
First Term of Winter Session (Sept-Dec)	Following February 28	First week of following May
Second Term of Winter Session (Jan-Apr)	Following June 30	First week of following September
Summer Session (May-Aug)	Following October 31	First week of following January

A student who is required to withdraw is not permitted to take or retake any courses with prefixes of CENG, ELEC, ENGR, or MECH until such time as they are readmitted to a BEng or BSEng program.

A student given Failed Standing for a second time in either the BEng or BSEng program will be required to permanently withdraw from the program.

Course Equivalents and Course Withdrawals

Approval may be given, at the discretion of the Dean, for a student to replace one or more BEng or BSEng degree program courses with other acceptable courses. Written approval must be obtained in advance. Normally, such replacement courses will be taken at UVic. When a replacement course is to be taken at another institution, the student must obtain a Letter of Permission from the BEng or BSEng Office prior to undertaking the studies. See Letters of Permission for UVic Students to Undertake Studies Elsewhere, page 29.

Students will not be permitted to withdraw from a given course more than once.

Examinations

Deferred Examinations

- Where a student has been unable to write an examination owing to illness, family crisis or other similar circumstances, the faculty may authorize a deferred examination.

- For the purpose of providing evidence to the faculty as to the nature of illness and its effect on the student's ability to write an examination, the physician's medical report should be made on a form provided by the Faculty of Engineering, where possible. If this form is not used, the medical report should contain the information required by the Faculty of Engineering.

- Deferred exams will normally be written at the faculty as to the student's next academic term; that is, approximately four months following the deferral of the exam.

Supplemental Examinations

- Students are eligible to write a supplemental examination in a course only if they have written a final examination and have received a final grade of E in the course. Students will be permitted to write the supplemental exam regardless of their academic standing in the BEng or BSEng program.

- Supplemental examinations cover only the course work covered by written final examinations.

- The supplemental examination grade replaces the grade of the course final examination and has the same weight as that of the final examination. A course with no final examination will have no supplemental examination.

- Any passing grade in a course obtained as a result of a supplemental examination will be shown in the student's academic record with a grade point value of 1, corresponding to a D, and will be taken into account in determining the student's graduating average and standing at graduation, but will not affect the student's sessional grade-point average.

- Applications for supplemental examinations, accompanied by the required fees, must be received by the BEng Office by the dates indicated

in table "Supplemental Examination Dates and Deadlines."

- Students will normally be notified whether their application has been accepted or refused within four weeks of the appropriate application deadline. Fee payments for rejected applications will be returned.

- Supplemental examinations are scheduled by the faculty and only include CENG, ELEC, ENGR, MECH; and SENG courses offered by the Electrical and Computer Engineering department.

- For more information, and to apply for supplemental examinations, email bengoff@uvic.ca.

Graduation Requirements

Students must meet the following requirements in addition to the normal University requirements in order to be eligible for graduation:

1. Successful completion of the full set of courses specified for the degree program.
2. Successful completion of four work terms (as defined by the students registered program) as specified below.
3. To have a graduating average of at least 2.0 and to currently be in Satisfactory Standing.

Students who complete their graduation requirements "With Distinction" (see page 40) will be included in the Dean's Graduation List.

The graduating average of a student in the BEng or BSEng program will be the weighted average of the grade values (other than COM, N, F and E) assigned to 300- and 400-level courses taken or challenged at UVic and used within the student's degree program. Courses taken at the 500 level may be included in the graduating average if they are used to meet degree requirements. If the total unit value of such courses does not exceed 30 units, then all such courses will be included in the average. If the total exceeds 30 units, then the average will be taken on a maximum of 30 units of such courses, chosen so as to give the highest average. In the case where those 30 units include a fraction of a course, then the calculation will be based on the 30 units plus the remaining fraction of that same course. A course that has been used to satisfy the requirements for one degree or in the calculation of the student's graduating average for one degree cannot be used for credit towards another degree. Senior level courses used to complete the Management Option or a Minor in some other area are excluded from the graduating average computation.

BENG AND BSENG PROGRAM REQUIREMENTS

Courses Common to BEng and BSEng Programs (Engineering Core)

Students in all BEng and BSEng degree programs must complete the Engineering Core courses listed below. Courses common to all BEng programs, but not required in the BSEng program, are also given in a second table. Additional requirements for each specific program are given under Program Requirements in the departmental and BSEng Program entries.

Courses Common to all BEng and BSEng Programs

CHEM 150	Engineering Chemistry
CSC 111	Fundamentals of Programming with Engineering Applications

CSC 115	Fundamentals of Programming II
ENGR 020 ¹	Introduction to Professional Practice
ENGR 110 or 111	Design and Communication: IA or IB
ENGR 120 ²	Design and Communication II
or ENGR 240 ²	Technical Writing
ENGR 141	Engineering Fundamentals I
ENGR 280	Engineering Economics
ENGR 446 ³	Technical Report
MATH 100	Calculus I
MATH 101	Calculus II
MATH 110	Matrix Algebra for Engineers
PHYS 122	Mechanics for Engineers
PHYS 125	Fundamentals of Physics
1 Complementary Studies Course ⁴	1.5 units of approved electives from Humanities and Social Sciences

1. Students must normally complete ENGR 020 (Introduction to Professional Practice) before undertaking their first Work Term (first WorkTerm Module for BSEng students).

2. Students who started the program prior to September 2010 must complete ENGR 240; students who started the program September 2010 or later must complete ENGR 120. Students must successfully complete the University English Requirement or ENGR 110 or 111, and ENGR 120 or 240 before their second Work Term (fifth Work-Term Module for BSEng students).

3. Students must register in this course in the term preceding the final term of their program (academic or work term).

4. A current list of acceptable courses may be obtained from the BEng or BSEng office.

Additional Courses Common to all BEng Programs

CSC 349A	Numerical Analysis I
ELEC 216	Electricity and Magnetism
ELEC 250	Linear Circuits I
ENGR 297	Technology and Society
MATH 200	Calculus of Several Variables
MATH 201	Introduction to Differential Equations
STAT 254	Probability and Statistics for Engineers

Options Common to BEng and BSEng BEng and BSEng Management Option

The courses required for this option are offered from January to April and will normally be taken after term 3B. Enrolment in the Management Option is limited to students with third-year standing and is based on the most recent sessional GPA before the start of the option. Students must apply for admission to the BEng or BSEng Office before registering in any of the required courses. The application deadline is the start date of the Winter Session where the option is offered.

The Management Option consists of the following courses:

COM 220	Organizational Behaviour
COM 240	Management Finance
COM 250	Fundamentals of Marketing
COM 270	Financial and Management Accounting for Specialists

plus one of:

ENT 402	Entrepreneurship and Small Business for the Non-Specialist
IB 301	The International Environment of Business

All of the above courses must be completed with a passing grade and collectively must be completed with a grade point average of 2.0 or better.

Students who complete all requirements of a BEng or BSEng Program as well as all requirements of the Management Option will receive their BEng or BSEng degrees in the appropriate Engineering specialization. Their transcripts will bear the designation "Management Option."

Students who fail to complete the requirements of the Management Option or elect not to enrol in this option, but otherwise complete all requirements of an Engineering program will receive their BEng or BSEng degrees without this designation on their transcripts.

Courses in the Management Option are governed by the regulations of the faculty offering the course and not by those pertaining to the BEng or BSEng Programs. All courses taken in the Management Option will count in the faculty standing determination.

BEng and BSEng Mechatronics and Embedded Systems (MES) Option

The MES Option provides theoretical and practical education in the design of mechatronics and embedded systems. This option is open to students from each of the three departments in the Faculty of Engineering.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

Students in either term 3A or 3B in the BEng or BSEng programs can apply to enter the option. Enrolment in the MES Option is limited. Information on eligibility and application procedures can be obtained from the BEng and BSEng Offices.

All students in the MES Option are required to take ENGR 466 as part of their program, as well as courses above their engineering degree requirements which are specific to each program. The academic requirements for the MES Option are outlined in the calendar entry for each program.

Credit for one work term will be given to students completing this option, due to the industrial exposure provided in ENGR 466.

Students who complete all requirements of a BEng or BSEng Program as well as all requirements of the MES Option will receive their degree in the appropriate Engineering specialization. Their transcripts will bear the designation "Mechatronics and Embedded Systems Option."

Students who fail to complete the requirements of the MES Option or elect not to enrol in this option, but otherwise complete all requirements of an Engineering program will receive their BEng or BSEng degree without this designation on their transcripts.

Courses taken in the MES Option will be included in the faculty standing review of students in the BEng and BSEng programs.

BEng and BSEng Technology Policy Option

Five courses (at least 7.5 units) are required for this option and are normally offered from Janu-

ary to April. During years when they are not offered in this term, other classes will be substituted for the requirements. A current list of acceptable courses may be obtained from the BEng or BSEng Office. Elective courses may be taken to complement an interest in a focus area of Sustainability & Environmental Assessment, Technology, Ethics & Society, or Health Care & Social Medicine. Enrolment in the Technology Policy Option is limited and is based on the most recent sessional GPA before the start of the option and a one-page essay expressing your motivation. Students must apply for admission to the BEng or BSEng Office before registering in any of its courses. The application deadline is the start date of the Winter Session where the option is offered.

The Technology Policy Option consists of two required courses concerning the following subject areas:

- Introduction to Anthropology
- International Politics

Choice of two courses concerning the following subject areas:

- Introduction to Environmental Studies
- Biophysical Systems & the Human Environment
- Introduction to the Philosophy of Science
- Introduction to Social Problems

Choice of one course concerning the following suggested subject areas:

- Moral Problems of Contemporary Society
- Professional & Business Ethics
- Biomedical Ethics
- Philosophy and the Environment
- Environmental Economics
- Introduction to Resources
- Introduction to Political Theory
- Introduction to Comparative Politics
- Public Policy Analysis
- Canadian Public Policy
- Ancient Technology
- History of Technology
- Sociology of Health and Illness
- Environmental Sociology

Students who complete all requirements of a BEng or BSEng Program as well as all requirements of the Technology Policy Option will receive their BEng or BSEng degree in the appropriate Engineering specialization. Their transcripts will bear the designation "Technology Policy Option."

Students who fail to complete the requirements of the Technology Policy Option or elect not to enrol in this option, but otherwise complete all requirements of an Engineering program will receive their BEng degree without this designation on their transcripts.

Courses in the Technology Policy Option are governed by the general University regulations and not by those pertaining to the BEng or BSEng Programs. All courses taken in the Technology Policy Option will count in the faculty standing determination.

Department of Electrical and Computer Engineering

Professors Emeritus

Andreas Antoniou, BSc, PhD (Lond), Doctor Honoris Causa (Metsovia, Greece), LFIEEE, FIET, PEng, CEng

Wolfgang J.R. Hoefer, Dipl-Ing (Aachen), Dr-Ing (Grenoble), FIEEE, FRSC, PEng

R. Lynn Kirlin, BS, MS (Wyo), PhD (Utah State), FIEEE, PEng

Eric G. Manning, BSc, MSc (Wat), PhD (Ill), FIEEE, FEIC, PEng, ISP

Maria A. Stuchly, BSc, MSc (Warsaw Tech U), PhD (Polish Acad of Sciences), FIEEE

Professors

Panajotis Agathoklis, DiplEng, Dr Sc Tech (Swiss Fed Inst of Tech), FEIC, PEng

Ashoka K.S. Bhat, BSc (Mys), BE, ME (Indian Inst of Sci), MASC, PhD (Tor), FIEEE, PEng

Jens Bornemann, Ing (Hamburg), Dipl-Ing, Dr-Ing (Bremen), FIEEE, PEng, Chair

Thomas E. Darcie, BSc (Wat), MASC, PhD (Tor), FIEEE, Professor and Canada Research Chair in Optical Systems for Communications, Imaging and Sensing

Nikitas J. Dimopoulos, BSc (National and Kapodistrian U of Athens), MSc, PhD (Maryland), PEng, FEIC, Lansdowne Chair in Computer Engineering

Peter F. Driessen, BSc, PhD (Brit Col), PEng

Fayez Gebali, BSc (Cairo), BSc (Ain Shams), PhD (Brit Col), PEng

T. Aaron Gulliver, BSc, MSc (New Brunswick), PhD (UVic), PEng, FEIC, Graduate Adviser and Canada Research Chair in Advanced Wireless Communications

Harry H. L. Kwok, BSc (Calif. LA), PhD (Stan), PEng

Wu-Sheng Lu, BSc (Fudan), MSc (E China Normal), MSc, PhD (Minn), FIEEE, FEIC

Thomas Tiedje, BASc (Tor), MSc, PhD (UBC), PEng, FRSC, Dean

Adam Zielinski, BEng, MSc, PhD (Wroclaw), PEng, Electrical Engineering Program Director

Associate Professors Emeritus

Warren D. Little, BASc, MASC, PhD (Brit Col), PEng

Associate Professors

Michael D. Adams, BASc (Wat), MASC (UVic), PhD (Brit Col), PEng

Amirali Baniasadi, BS (Tehran), MS (Sharif), PhD (Northwestern)

Alexandra Branzan Albu, BSc, MSc, PhD (Bucharest), PEng

Xiaodai Dong, BSc (Xian Jiaotong), MSc (Nat'l U of Singapore), PhD (Queen's), PEng, Canada Research Chair in Ultra-wideband Communications

Reuven Gordon, BASc, MASC (Tor), PhD (Cambridge), PEng

Kin Fun Li, BEng (Concordia), MBA (UVic), PhD (Concordia), PEng, Computer Engineering Program Director

Subhasis Nandi, BEng (Jadavpur), MEng (Indian Inst of Sci), PhD (Texas A&M)

Daler N. Rakhmatov, BSc (Rochester), MSc, PhD (Arizona), PEng

Mihai Sima, BEng, MEng, PhD (Bucharest), PhD (Delft)

Issa Traoré, Aircraft Engineer (Ecole de l'Air, Salon de Provence), MEng in Aeronautics and Space Techniques, MEng in Automatics and Computer Engineering (Ecole Nationale Supérieure de l'Aéronautique et de l'Espace, Toulouse), PhD (Institut National Polytechnique, Toulouse), PEng

Hong-Chuan Yang, BE (Jilin), MSc in Applied Mathematics, MSc in Electrical Engineering, PhD (Minn), PEng

Assistant Professors

Lin Cai, BEng (Nanjing), MSc, PhD (Wat), Assistant Professor

Tao Lu, BSc (Man), MSc (Queen's), PhD (Wat), Assistant Professor

Michael L. McGuire, BEng, MSc (UVic), PhD (Tor), Assistant Professor

Stephen W. Neville, BEng, MSc, PhD (UVic), PEng, Assistant Professor

Christo Papadopoulos, BSc, MSc (Tor), PhD (Brown), Assistant Professor

Poman P.M. So, BSc (Tor), BSc, MSc (Ott), PhD (UVic), PEng, Assistant Professor

Professional Staff

Jonathan Foweraker, BSc (York), MSc (Bath), PhD (Cambridge), Co-operative Education Coordinator

Meeta Khurana, MSc (West), Co-operative Education Coordinator

Rhonda Korol, BSc (Tor), MSc (UVic), Co-operative Education Coordinator

Lynne Risk, BA (UVic), Advising Assistant

Adjunct and Cross-listed Appointments

Mostafa I.H. Abd-El-Barr, BSc, MSc (Cairo), PhD (Tor), Adjunct Professor (2008-11)

Nainesh Agarwal, BEng (UVic) MSc (Wat), PhD (UVic), Adjunct Assistant Professor (2009-12)

Ahmad Almulhem, BSc, MSc (KFUPM), PhD (UVic), Adjunct Assistant Professor (2009-12)

Turki F. Al-Somani, BSc, MSc (KAU), PhD (KFUPM), Adjunct Assistant Professor (2009-12)

Smmain Amari, DES (Constantine), MSEE, PhD (Wash U), Adjunct Professor (2007-10)

Christopher J. Atkins, MBBS, FRCP (Lond), FRCP (Can), Adjunct Professor (2007-10)

Andrea Basso, MSc (Trieste), PhD (Swiss Fed Inst of Tech), Adjunct Associate Professor (2008-11)

Stuart Bergen, BSc (Calg), PhD (UVic), Adjunct Assistant Professor (2009-12)

Leonard Bruton, BSc (Lond), MEng (Carleton), PhD (Newcastle Upon Tyne), FRSC, FIEEE, PEng, Adjunct Professor (2008-11)

Stéphane Claude, DEUG (Le Havre), Ecole Nationale Supérieure d'Ingénieurs de Caen (Caen), DEA (Caen), PhD (Lond), Adjunct Associate Professor (2008-11)

James S. Collins, BSc (Dal), BEng, MEng (Dal/NSTC), PhD (Wash), PEng, Adjunct Professor (2009-12)

M. Watheq El-Kharashi, BSc, MSc (Ain Shams), PhD (UVic), Adjunct Associate Professor (2009-12)

Morteza Esmaeili, MSc (Teacher Training University, Tehran), PhD (Carleton), Adjunct Professor (2009-12)

Sudhakar N.M. Ganti, BTech (JNTU), MTech (IIT), PhD (Ottawa), Cross-listed Assistant Professor, Dept. of Computer Science (2007-10)

Abolfazl Ghassemi, BSc (Tehran), MSc, PhD (UVic), Adjunct Assistant Professor (2009-12)

Jeremiah F. Hayes, BEE (Manhattan Coll), MS (NYU), PhD (Calif. Berk), LFIEEE, Adjunct Professor (2008-11)

Michael Horie, BSc, PhD (UVic), Adjunct Assistant Professor (2009-12)

Frank Nianhua Jiang, BEng, MEng (U. of Electronics Science and Technology, Chengdu), PhD (Tohoku), Adjunct Assistant Professor (2009-12)

Young-Chai Ko, BS (Hanyang), MS, PhD (Minn), Adjunct Associate Professor (2009-12)

Paul H. Krautner, BSc (Brit Col), MSc (Rhode Is), PhD (Simon Fraser), Adjunct Assistant Professor (2007-11)

Henry Jong-Hyeon Lee, BS (Sogang), MS (Pohang), PhD (Cambridge), Adjunct Assistant Professor (2007-10)

Wei Li, BEng, MEng (Beijing U of Posts and Telecom), PhD (UVic), Adjunct Assistant Professor (2008-11)

Wei Lu, BSc, MSc (HUST), PhD (UVic), Adjunct Assistant Professor (2009-12)

Rajeev C. Nongpiur, BTech (IIT, Kharagpur), PhD (UVic), Adjunct Assistant Professor (2008-11)

Rafael Parra-Hernandez, BIndEng (Instituto Tecnológico de Veracruz), MSc (Centro Nacional de Investigación y Desarrollo Tecnológico, Cuernavaca, Mexico), PhD (UVic), Adjunct Assistant Professor (2007-10)

Hari C. Reddy, BE (Sri Venkateswara), ME (Baroda), PhD (Osmania), Adjunct Professor (2007-10)

Dale J. Shpak, BSc, MEng (Calg), PhD (UVic), PEng, Adjunct Professor (2008-11)

Andrew Truman, BSc (East Lond), PhD (Southampton), Adjunct Assistant Professor (2007-10)

George Tzanetakis, BSE (Crete), MA, PhD (Princeton), Cross-listed Assistant Professor, Dept. of Computer Science (2008-11)

Jianping Yao, BSc, MEng (Wuhan), PhD (Toulon et du Var), PEng, Adjunct Professor (2008-11)

Hao Zhang, BSc in Electronics Engr, BSc in Industrial Mgmt (Shanghai Jiaotong), MBA (New York Inst of Tech), PhD (UVic), Adjunct Assistant Professor (2007-10)

PROGRAMS IN ELECTRICAL AND COMPUTER ENGINEERING

Undergraduate Programs

The Department of Electrical and Computer Engineering offers programs leading to the BEng degree in Electrical Engineering, the BEng degree in Computer Engineering and, jointly with

the Department of Computer Science, the BEng degree (Bachelor of Software Engineering). Both the BEng programs and BEng program are accredited by the Canadian Engineering Accreditation Board (CEAB) of the Canadian Council of Professional Engineers. Accreditation ensures that graduates of the programs satisfy the academic requirements for registration with the provincial Associations of Professional Engineers. The BEng in Electrical Engineering program has five specializations: electronics, communications, digital signal processing, electrical energy systems, and electromagnetics and photonics. The BEng in Computer Engineering program has two specializations: systems engineering and software engineering.

Biomedical Engineering Option

Students are admitted to the Biomedical Engineering option at the completion of their 1B term. Enrolment is limited and students are cautioned that they must apply for admission and be admitted before registering in any of the option-required courses.

For further details on the Biomedical Engineering Option, please see BEng in Computer Engineering (Biomedical Engineering Option), page 92, and BEng in Electrical Engineering (Biomedical Engineering Option), page 95.

Computer Music Option

Enrolment in the Computer Music Option is limited. Students must apply for admission before registering in any of its required courses.

For further details about the Computer Music Option, see BEng in Electrical Engineering (Computer Music Option), page 93, or BEng in Computer Engineering (Computer Music Option), page 92.

Information and Systems Security Option

Enrolment in the Information and Systems Security Option is limited. Students must apply for admission in Term 3B before registering in any of its required courses.

For further details on the Information and Systems Security Option, please see BEng in Computer Engineering (Information and Systems Security Option), page 92 or BEng in Electrical Engineering (Information and Systems Security Option), page 93.

Management Option

The Faculty of Engineering in conjunction with the Faculty of Business offers a Management Option. For further details, see BEng and BEng Management Option on page 89.

Mechatronics and Embedded Systems Option

The Faculty of Engineering offers a Mechatronics and Embedded Systems (MES) Option. For further details, see BEng Mechatronics and Embedded Systems (MES) Option. The requirements for the MES option for Electrical Engineering or Computer Engineering students are given here.

Physics Option

For details of the Physics Option, see BEng in Electrical Engineering (Physics Option), page 93.

Technology Policy Option

The Faculty of Engineering offers a Technology Policy Option. For further details see BEng and BEng Technology Policy Option on page 100.

Fast Track Master's Option

The Department of Electrical and Computer Engineering offers outstanding undergraduate students an opportunity for a head start in a master's program. Qualified students will be permitted to enrol in graduate-level courses during their fourth year. These courses will be in addition to any undergraduate requirements and thus can be transferred to the MASc or MEng degree program. All of the admission and transfer credit regulations of the Faculty of Graduate Studies must be met. For more information, please contact the Chair or the Graduate Adviser of the department.

Graduate Programs

For information on studies leading to the MEng, MASc and PhD degrees, see the UVic Graduate Calendar.

PROGRAM REQUIREMENTS

BEng Program In Computer Engineering

The BEng program in Computer Engineering requires completion of the BEng Core (see page 89), the Computer Engineering Core, one of two Specializations and the required number of elective courses associated with that Specialization.

Computer Engineering Core

CENG 241	Digital Design I
CENG 245	Discrete Structures
CENG 255	Introduction to Computer Architecture
CENG 355	Microprocessor-Based Systems
CENG 455	Real Time Computer Systems Design Project
CENG 460	Computer Communication Networks
CENG 499	Design Project
CSC 225	Algorithms and Data Structures I
CSC 360	Introduction to Operating Systems
ELEC 200	Engineering Graphics
ELEC 220	Electrical Properties of Materials
ELEC 260	Continuous-Time Signals and Systems
ELEC 300	Linear Circuits II
ELEC 310	Digital Signal Processing I
ELEC 330	Electronic Circuits I
ELEC 395	Seminar
SENG 321	Requirements Engineering and Formal Specifications

Computer Engineering Specializations

Systems Engineering

CENG 441	Design of Digital and VLSI Systems
CENG 450	Computer Systems and Architecture
ELEC 320	Electronic Devices I
ELEC 350	Communications Theory and Systems I
ELEC 360	Control Theory and Systems I

Software Engineering

ELEC 350	Communications Theory and Systems I
or	
ELEC 360	Control Theory and Systems I
and	
CSC 370	Database Systems
SENG 330*	Object Oriented Software Development
SENG 422	Software Architecture
SENG 426	Software Quality Engineering
SENG 462	Distributed Systems and the Internet

*SENG 330 is not required for students who started term 3B in or before September 2000.

BEng Program in Computer Engineering (Biomedical Engineering Option)

In addition to the Computer Engineering Core, Specialization courses and electives, the Biomedical Engineering Option requires completion of an additional 6.5 units of courses as follows:

BIOL 225	Principles of Cell Biology
EPHE 141	Introductory Human Anatomy
ELEC 335	Biosensors and Instrumentation
PHYS 432	Medical Physics
Physics web course (0.5 unit) to provide necessary prerequisite for PHYS 432	

Notes: - Students in this option must take BIOL 190A as their Science Elective and ELEC 435 as a Technical Elective.

- Students must apply to be accepted into this option normally during Term 1B.

- Admission to this option requires completion of Biology 11 and is subject to enrolment limitations.

- This option is offered subject to resources.

BEng Program in Computer Engineering (Computer Music Option)

In addition to the Computer Engineering Core, Specialization courses and electives, the Computer Music Option requires completion of the following courses:

MUS 306	Recording Techniques
MUS 307	Introduction to Computer Music
Plus a total of 3.0 units from the following list:	
CSC 475 (1.5)	Music Retrieval Techniques
ELEC 484 ⁴ (1.5)	Audio Signal Processing
MUS 401C (1.5)	Acoustics
MUS 406A (1.5)	Advanced Sound Recording Techniques
MUS 406B (1.5)	Sound Recording Seminar
MUS 407 ⁸ (3.0)	Computer Music Seminar

BEng Program in Computer Engineering (Information and Systems Security Option)

In addition to the BEng Core, Computer Engineering Core, one of two specializations and electives, the Information and Systems Security Option requires completion of an additional 6.0 units of courses:

3 courses (4.5 units) as follows:	
CSC 429	Cryptography

SENG 460	Practice of Information Security
SENG 461	Network Security
Plus one course (1.5 units) from the following list:	
CENG 420	Artificial Intelligence
CENG 460	Computer Communication Networks
CENG 461	Design and Analysis of Computer Networks
CSC 463	Mobile Networks
CSC 466	Overlay and Peer-to-Peer Networking
ELEC 405	Error Control Coding and Sequences
ELEC 456	Mobile Communications
SENG 462	Distributed Systems and the Internet

Note: Courses used for BEng degree requirements cannot be counted for credit towards the Option.

BEng Program in Computer Engineering (Mechatronics and Embedded Systems Option)

In addition to BEng Core, Computer Engineering Core, one of two specializations and electives, the Mechatronics and Embedded Systems Option requires completion of an additional 7.5 units of courses as follows:

- ENGR 466 Integrated Mechatronics and Embedded Systems (3 units)
- At least one from the following list of courses (1.5 units):
 - MECH 458 Mechatronics
 - SENG 440 Embedded Systems
- Two courses (3 units) from the following list of courses where at least one has to be a 466 course:
 - ELEC 460 Control Theory and Systems II
 - ELEC 466 System-on-Chip Engineering for Signal Processing
 - MECH 466 Microelectromechanical Systems
 - MECH 458 Mechatronics
 - SENG 440 Embedded Systems
 - SENG 466 Software for Embedded and Mechatronics Systems

Notes: - Students in the MES option do not need to take CENG 499 as part of their program. The CENG 499 requirement is replaced by the requirement to take ENGR 466.

- The units for MECH 458 and SENG 440 cannot be counted under both b and c.

Students are advised that because of limited resources, it may be necessary to limit the offering of this program.

Credit for one work term will be given to students completing this option due to the industrial exposure provided.

Students who complete all requirements of a BEng Program as well as all requirements of the Mechatronics and Embedded Systems option will receive their BEng degree in the appropriate specialization, and their transcripts will also bear the designation, "Mechatronics and Embedded Systems Option."

All courses taken in the Mechatronics and Embedded Systems option will be included in the faculty standing review of students in the BEng Program.

BEng Program In Electrical Engineering

The BEng program in Electrical Engineering requires completion of the BEng Core (see page 89), the Electrical Engineering Core, one of four Specializations (or a total of three compulsory courses from any of the four Specializations) and the required number of elective courses.

Electrical Engineering Core

CENG 241	Digital Design I
CENG 255	Introduction to Computer Architecture
CENG 355	Microprocessor-Based Systems
ELEC 200	Engineering Graphics
ELEC 220	Electrical Properties of Materials
ELEC 260	Continuous-Time Signals and Systems
ELEC 300	Linear Circuits II
ELEC 310	Digital Signal Processing I
ELEC 320	Electronic Devices I
ELEC 330	Electronic Circuits I
ELEC 340	Electromagnetic Field Theory
ELEC 350	Communications Theory and Systems I
ELEC 360	Control Theory and Systems I
ELEC 370	Electromechanical Energy Conversion
ELEC 380	Electronic Circuits II
ELEC 395	Seminar
ELEC 499	Design Project
MECH 295	Engineering Fundamentals II

Electrical Engineering Specializations**Electronics**

ELEC 410	Power Electronics
ELEC 412	Electronic Devices II
CENG 441	Design of Digital and VLSI Systems

Communications

ELEC 404	Microwaves and Fiber Optics
ELEC 450	Communications Theory and Systems II
ELEC 456	Mobile Communications

Digital Signal Processing

ELEC 403	Engineering Design by Optimization
ELEC 407	Digital Signal Processing II
ELEC 459	Digital Signal Processing III

Electrical Energy Systems

ELEC 410	Power Electronics
ELEC 482	Electrical Drive Systems
ELEC 488	Electrical Power Systems

Electromagnetics and Photonics

ELEC 404	Microwaves and Fiber Optics
ELEC 452	Optical Communication Technology
ELEC 453	Antennas and Propagation

BEng Program in Electrical Engineering (Biomedical Engineering Option)

In addition to the Electrical Engineering Core, Specialization courses and electives, the Biomed-

ical Engineering Option requires completion of an additional 6.5 units of courses as follows:

BIOL 225	Principles of Cell Biology
EPHE 141	Introductory Human Anatomy
ELEC 335	Biosensors and Instrumentation
PHYS 432	Medical Physics
Physics web course (0.5 unit) to provide necessary prerequisite for PHYS 432	

Notes: - Students in this option must take BIOL 190A as their Science Elective and ELEC 435 as a Technical Elective.

- Students must apply to be accepted into this option normally during Term 1B.

- Admission to this option requires completion of Biology 11 and is subject to enrolment limitations.

- This option is offered subject to resources.

BEng Program in Electrical Engineering (Computer Music Option)

In addition to the Electrical Engineering Core, Specialization courses and electives, the Computer Music Option requires completion of the following courses:

MUS 306	Recording Techniques
MUS 307	Introduction to Computer Music

Plus a total of 3.0 units from the following list:

CSC 475 (1.5)	Music Retrieval Techniques
ELEC 484 ⁴ (1.5)	Audio Signal Processing
MUS 401C (1.5)	Acoustics
MUS 406A (1.5)	Advanced Sound Recording Techniques
MUS 406B (1.5)	Sound Recording Seminar
MUS 407 ⁸ (3.0)	Computer Music Seminar

BEng Program in Electrical Engineering (Information and Systems Security Option)

In addition to the BEng Core, Electrical Engineering Core, one of two specializations and electives, the Information and Systems Security Option requires completion of an additional 6.0 units of courses:

3 courses (4.5 units) as follows:

CSC 429	Cryptography
SENG 460	Practice of Information Security
SENG 461	Network Security

Plus one course (1.5 units) from the following list:

CENG 420	Artificial Intelligence
CENG 460	Computer Communication Networks
CENG 461	Design and Analysis of Computer Networks
CSC 463	Mobile Networks
CSC 466	Overlay and Peer-to-Peer Networking
ELEC 405	Error Control Coding and Sequences
ELEC 456	Mobile Communications
SENG 462	Distributed Systems and the Internet

Note: Courses used for BEng degree requirements cannot be counted for credit towards the Option.

BEng Program in Electrical Engineering (Mechatronics and Embedded Systems Option)

In addition to the Electrical Engineering Core, Specialization courses and electives, the Mechatronics and Embedded Systems Option requires completion of an additional 7.5 units of courses as follows:

a. ENGR 466	Integrated Mechatronics and Embedded Systems Project(3 units)
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b. At least one from the following list of courses (1.5 units):

MECH 458	Mechatronics
SENG 440	Embedded Systems

c. Two courses (3 units) from the following list of courses where at least one has to be a 466 course:

ELEC 460	Control Theory and Systems II
ELEC 466	System-on-Chip Engineering for Signal Processing
MECH 466	Microelectromechanical Systems
MECH 458	Mechatronics
SENG 440	Embedded Systems
SENG 466	Software for Embedded and Mechatronics Systems

Notes: - Students in the MES option do not need to take ELEC 499 as part of their program. The ELEC 499 requirement is replaced by the requirement to take ENGR 466.

- EE students who wish to take SENG 466 as part of their MES option should note that there are 2nd and 3rd year level course prerequisites which are not part of the regular Electrical Engineering program.

- The units for MECH 458 and SENG 440 cannot be counted under both b and c.

Students are advised that because of limited resources, it may be necessary to limit the offering of this program.

Credit for one work term will be given to students completing this option due to the industrial exposure provided.

Students who complete all requirements of a BEng Program as well as all requirements of the Mechatronics and Embedded Systems option will receive their BEng degree in the appropriate specialization, and their transcripts will also bear the designation, "Mechatronics and Embedded Systems Option."

All courses taken in the Mechatronics and Embedded Systems option will be included in the faculty standing review of students in the BEng Program.

BEng Program in Electrical Engineering (Physics Option)

In addition to the Electrical Engineering Core, Specialization courses and electives, the Physics Option requires completion of the following additional courses:

MATH 326	Introduction to Partial Differential Equations
PHYS 215	Introductory Quantum Physics
PHYS 313	Atomic and Molecular Physics
or PHYS 314	Nuclear Physics and Radioactivity

and

PHYS 321A	Classical Mechanics I
PHYS 323	Quantum Mechanics I
PHYS 325	Optics

Students who complete the Physics Option will receive their BEng degree in the appropriate Specialization, and their transcripts will also bear the designation "Physics Option." All courses taken in the Physics Option will count in the faculty standing determination.

Electrical and Computer Engineering Technical Electives

Technical Electives are normally offered as follows:

LIST 1*

May-August Term*

CENG 420	Artificial Intelligence
CENG 441	Design of Digital and VLSI Systems
CENG 453	Parallel and Cluster Computing
CENG 460	Computer Communication Networks
ELEC 404	Microwaves and Fiber Optics
ELEC 410	Power Electronics
ELEC 426	Robotics
ELEC 450	Communications Theory and Systems II
ELEC 452	Optical Communication Technology
ELEC 466	System-on-Chip Engineering for Signal Processing
ELEC 484	Audio Signal Processing
SENG 422	Software Architecture
SENG 426	Software Quality Engineering
SENG 454	Component-Based Software Engineering

January-April Term*

CENG 421	Computer Vision
CENG 450	Computer Systems and Architecture
CENG 455	Real Time Computer Systems Design Project
ELEC 453	Antennas and Propagation
ELEC 454	Engineering Components for Wireless Systems
ELEC 456	Mobile Communications
ELEC 460	Control Theory and Systems II
ELEC 481	Analog VLSI Systems
ELEC 482	Electrical Drive Systems
ELEC 483	Digital Video Processing: Algorithms and Applications in Media
SENG 440	Embedded Systems
SENG 462	Distributed Systems and the Internet

LIST 2*, **

May-August Term*

CENG 412	Human Factors in Engineering
CENG 496	Selected Topics in Computer Engineering
ELEC 403	Engineering Design by Optimization
ELEC 407	Digital Signal Processing II
ELEC 434	Biophotonics

ELEC 435	Medical Image Processing
ELEC 486	Wavelets and Multirate Signal Processing
ELEC 496	Selected Topics in Electrical Engineering
MECH 460	Computer Aided Manufacture

January-April Term*

CENG 461	Design and Analysis of Computer Networks
CENG 496	Selected Topics in Computer Engineering
CSC 454	Fault Tolerant Computing
ELEC 405	Error Control Coding and Sequences
ELEC 412	Electronic Devices II
ELEC 420	Nanotechnology
ELEC 459	Digital Signal Processing III
ELEC 485	Pattern Recognition
ELEC 496	Selected Topics in Electrical Engineering
MECH 410	Computer Aided Design
SENG 410	Media Applications
SENG 460	Practice of Information Security
SENG 461	Network Security
SENG 466	Software for Embedded and Mechatronics Systems
SENG 474	Data Mining

* Courses that are not required by at least one of the Specializations may not be offered every year or in the specified term.

** Other 400-level or graduate courses may be considered as a List 2 Technical Elective with the permission of the department and Dean of Graduate Studies as required (refer to "Registration in Graduate Courses by Undergraduates", page 29)

Physics Option Electives

List P1 September-December Term

PHYS 410	Topics in Mathematical Physics I
PHYS 411	Time Series Analysis
PHYS 415	General Relativity and Cosmology
PHYS 426	Fluid Mechanics
PHYS 429A	Honours Laboratory

List P2 January-April Term

PHYS 420	Topics in Mathematical Physics II
PHYS 421	Statistical Mechanics
PHYS 422	Electromagnetic Theory
PHYS 424	Particle Physics
PHYS 427	Geophysics
PHYS 428	Introductory Solid State Physics
PHYS 429B	Honours Project

Minors in Electrical Systems and Computer Systems

An Electrical Systems Minor or a Computer Systems Minor is open to students outside of the programs in Electrical Engineering and Computer Engineering. Permission from the department is required and students must have a minimum cumulative GPA of 5. The minor requires 9 units of ELEC and CENG designated courses with a minimum of 4.5 units at the 300 level or above. For an

Electrical Systems Minor, 3 or more of these units at the 300 level or above must be ELEC. For a Computer Systems Minor, 3 or more of the units at the 300 level or above must be CENG.

ACADEMIC SCHEDULE: BENG IN COMPUTER ENGINEERING

Terms 1A, 1B and 2A

Students who started their program prior to Sept. 2010

Term 1A	Term 1B	Term 2A
CSC 111	CHEM 150	CENG 255
ENGR 020 ⁷	CSC 115	ELEC 200
ENGR 141	ENGR 110 or 111	ELEC 216
MATH 100	MATH 101	ENGR 240
MATH 110	PHYS 125	MATH 200
PHYS 122		MATH 201

Students who started their program Sept. 2010 or later

Term 1A	Term 1B	Term 2A
CSC 111	CHEM 150	CENG 255
ENGR 020 ⁷	ENGR 120	CSC 115
ENGR 110 or 111	ENGR 141	ELEC 200
MATH 100	MATH 101	ELEC 216
MATH 110	PHYS 125	MATH 200
PHYS 122		MATH 201

Terms 2B to 4B

For students in the Systems Engineering Specialization:

Term 2B	Term 3A ⁷	Term 3B
CENG 241	CSC 225	CENG 355
CENG 245	CSC 349A	CENG 460
ELEC 220	ELEC 300	CSC 360
ELEC 250	ELEC 310	ENGR 280
ELEC 260	ELEC 320	2 Specialization Courses
STAT 254	ELEC 330	

For students in the Software Engineering Specialization:

Term 2B	Term 3A ⁷	Term 3B
CENG 241	CSC 225	CENG 355
CENG 245	CSC 349A	CENG 460
ELEC 220	ELEC 300	CSC 360
ELEC 250	ELEC 310	ENGR 280
ELEC 260	ELEC 330	2 Specialization Courses
STAT 254	SENG 321	

Term 4A
CENG 499³
ELEC 395
ENGR 297
2 Specialization Courses
Technical Electives*

Term 4B
CENG 499³
CENG 455
1 Basic Science Elective⁹
1 Complementary Studies Elective¹
ENGR 446 Technical Report⁶

For Systems Engineering:

1 Specialization Course
Technical Electives*

For Software Engineering:

For students entering term 4B in or after January 2003:
2 Specialization Courses
Technical Electives**

* **For Systems Engineering**, students must take a total of three Technical Electives selected from either List 1 or 2 of which at least two must be from List 1.

** **For Software Engineering**, students must take a total of two Technical Electives selected from either List 1 or 2 of which at least one must be from List 1.

Specializations:**Systems Engineering**

Term 3B	Term 4A	Term 4B
ELEC 350 ELEC 360	CENG 441 SENG 321	CENG 450

Software Engineering

Term 3B	Term 4A	Term 4B
ELEC 350 or 360 SENG 330	SENG 422 SENG 426	CSC 370 SENG 462

ACADEMIC SCHEDULE: BENG IN COMPUTER ENGINEERING (BIOMEDICAL ENGINEERING OPTION)

Terms 1A, 1B, 1C-Summer

Students who started their program prior to
Sept. 2010

Term 1A	Term 1B	Term 1C - Summer
CSC 111 ENGR 020 ⁷ ENGR 141 MATH 100 MATH 110 PHYS 122	CHEM 150 CSC 115 ENGR 110 or 111 MATH 101 PHYS 125	BIOL 190A CENG 241 CENG 245 ENGR 240 ENGR 297

Students who started their program Sept. 2010
or later

Term 1A	Term 1B	Term 1C - Summer
CSC 111 ENGR 020 ⁷ ENGR 110 or 111 MATH 100 MATH 110 PHYS 122	CHEM 150 ENGR 120 ENGR 141 MATH 101 PHYS 125	BIOL 190A CENG 241 CENG 245 CSC 115 ENGR 297

Term 2A

Term 2A
CENG 255
ELEC 200
ELEC 216
MATH 200
MATH 201
EPHE 141

Terms 2B to 4B

For students in the Systems Engineering Spe-
cialization:

Term 2B	Term 3A ⁷	Term 3B
BIOL 225 ELEC 220 ELEC 250 ELEC 260 STAT 254	CSC 225 ELEC 300 ELEC 310 ELEC 320 ELEC 330 ELEC 335	CENG 355 CENG 460 CSC 360 ENGR 280 2 Specializa- tion Courses

Term 4A
CENG 499³ or Technical Elective*
ELEC 395
ELEC 435
2 Specialization Courses
Technical Elective*

Term 4B
CENG 499³ or Technical Elective*
CENG 455
CSC 349A
PHYS 432
1 Specialization Course
1 Complementary Elective¹
ENGR 446 Technical Report⁶

* Students taking the Systems Engineering Spe-
cialization must take a total of two Technical Elec-
tives from List 1.

Terms 2B to 4B

For students in the Software Engineering Spe-
cialization:

Term 2B	Term 3A ⁷	Term 3B
BIOL 225 ELEC 220 ELEC 250 ELEC 260 STAT 254	CSC 225 ELEC 300 ELEC 310 ELEC 330 ELEC 335 SENG 321	CENG 355 CENG 460 CSC 360 ENGR 280 2 Specializa- tion Courses

Term 4A
CENG 499
ELEC 395
ELEC 435
2 Specialization Courses
Technical Elective**

Term 4B
CENG 455
CSC 349A
PHYS 432
2 Specialization Courses
1 Complementary Elective¹
ENGR 446 Technical Report⁶
** Students taking the Software Engineering Spe-
cialization must take one Technical Elective from
List 1.

ACADEMIC SCHEDULE: BENG IN ELECTRICAL ENGINEERING

Terms 1A, 1B and 2A

Students who started their program prior to
Sept. 2010

Term 1A	Term 1B	Term 2A
CSC 111 ENGR 020 ⁷ ENGR 141 MATH 100 MATH 110 PHYS 122	CHEM 150 CSC 115 ENGR 110 or 111 MATH 101 PHYS 125	CENG 255 ELEC 200 ELEC 216 ENGR 240 MATH 200 MATH 201

Students who started their program Sept. 2010
or later

Term 1A	Term 1B	Term 2A
CSC 111 ENGR 020 ⁷ ENGR 110 or 111 MATH 100 MATH 110 PHYS 122	CHEM 150 ENGR 120 ENGR 141 MATH 101 PHYS 125	CENG 255 CSC 115 ELEC 200 ELEC 216 MATH 200 MATH 201

Terms 2B to 4B

Term 2B	Term 3A ⁷	Term 3B
CENG 241 ELEC 220 ELEC 250 ELEC 260 MECH 295 STAT 254	CSC 349A ELEC 300 ELEC 310 ELEC 320 ELEC 330 ELEC 340	CENG 355 ELEC 350 ELEC 360 ELEC 370 ELEC 380 ENGR 280

Term 4A
ELEC 499³
ELEC 395
ENGR 297
2 Specialization Courses
Technical Electives*

Term 4B
ELEC 499³
1 Basic Science Elective⁹
1 Specialization Course
1 Complementary Studies Elective¹
Technical Electives*
ENGR 446: Technical Report⁶

* Students in the Electrical Engineering program
must take a total of four Technical Electives se-
lected from either List 1 or 2 of which at least two
must be from List 1.

Specializations:**Electronics**

Term 4A	Term 4B
CENG 441 ELEC 410	ELEC 412

Communications

Term 4A	Term 4B
ELEC 404 ELEC 450	ELEC 456

Digital Signal Processing

Term 4A	Term 4B
ELEC 403 ELEC 407	ELEC 459

Electrical Energy Systems

Term 4A	Term 4B
ELEC 410 ELEC 488	ELEC 482

Electromagnetics and Photonics

Term 4A	Term 4B
ELEC 404 ELEC 452	ELEC 453

In order to obtain their degree, students who do
not select one of the Specializations must com-
plete any 3 of the 13 compulsory Specialization
courses listed above within the established
course offering timetable.

ACADEMIC SCHEDULE: BENG IN ELECTRICAL ENGINEERING (BIOMEDICAL ENGINEERING OPTION)

Terms 1A, 1B, 1C-Summer

Students who started their program prior to
Sept. 2010

Term 1A	Term 1B	Term 1C - Summer
CSC 111 ENGR 020 ⁷ ENGR 141 MATH 100 MATH 110 PHYS 122	CHEM 150 CSC 115 ENGR 110 or 111 MATH 101 PHYS 125	BIOL 190A CENG 241 ENGR 240 ENGR 297 MECH 295

Students who started their program Sept. 2010
or later

Term 1A	Term 1B	Term 1C - Summer
CSC 111 ENGR 020 ⁷ ENGR 110 or 111 MATH 100 MATH 110 PHYS 122	CHEM 150 ENGR 120 ENGR 141 MATH 101 PHYS 125	BIOL 190A CENG 241 CSC 115 ENGR 297 MECH 295

Terms 2A to 4B

Term 2A	Term 2B	Term 3A ⁷
CENG 255 ELEC 200 ELEC 216 MATH 200 MATH 201 EPHE 141	BIOL 225 ELEC 220 ELEC 250 ELEC 260 STAT 254	ELEC 300 ELEC 310 ELEC 320 ELEC 330 ELEC 335 ELEC 340

Term 3B
CENG 355
ELEC 350
ELEC 360
ELEC 370
ELEC 380
ENGR 280

Term 4A
ELEC 395
ELEC 435
2 Specialization Courses
Technical Electives*

Term 4B
CSC 349A
ELEC 499
PHYS 432
1 Specialization Course
Technical Electives*
1 Complementary Studies Elective¹
ENGR 446: Technical Report⁶

* Students taking this program option must take a total of three Technical Electives selected from either List 1 or 2 of which at least two must be from List 1.

ACADEMIC SCHEDULE: BENG IN ELECTRICAL ENGINEERING (PHYSICS OPTION)

Terms 1A, 1B and 2A

Students who started their program prior to Sept. 2010

Term 1A	Term 1B	Term 2A
CSC 111	CHEM 150	CENG 255
ENGR 020 ⁷	CSC 115	ELEC 200
ENGR 141	ENGR 110 or 111	ELEC 216
MATH 100	MATH 101	ENGR 240
MATH 110	PHYS 125	MATH 200
PHYS 122		MATH 201

Students who started their program Sept. 2010 or later

Term 1A	Term 1B	Term 2A
CSC 111	CHEM 150	CENG 255
ENGR 020 ⁷	ENGR 120	CSC 115
ENGR 110 or 111	ENGR 141	ELEC 200
MATH 100	MATH 101	ELEC 216
MATH 110	PHYS 125	MATH 200
PHYS 122		MATH 201

Terms 2B to 4B

Term 2B	Term 3A ⁷	Term 3B
CENG 241	ELEC 300	ELEC 360
ELEC 220	ELEC 310	ELEC 370
ELEC 250	ELEC 320	ELEC 380
ELEC 260	ELEC 330	ENGR 280
MECH 295	ELEC 340	PHYS 313 or
STAT 254	PHYS 215	PHYS 314
		PHYS 321A

Term 4A
ELEC 395
ENGR 297
MATH 326 or 346
PHYS 325
2 Specialization Courses

Term 4AB²
CENG 355
CSC 349A
ELEC 350
1 Complementary Studies Elective¹
2 Electives from List P1

Term 4B
ELEC 499
1 Basic Science Elective⁹
PHYS 323
1 Specialization Course
1 Elective from List 1
1 Elective from List P2
ENGR 446: Technical Report⁶

Academic Schedules Notes

1. A Complementary Studies Elective course dealing with central issues in humanities or social

sciences, as required by CEAB guidelines for complementary studies, and as approved by the Faculty of Engineering's BEng Programs Committee. A current list of acceptable replacement courses may be obtained from the BEng Office.

2. Term 4AB replaces Work/Other Term following Term 4A in the table on page 87 of the main Faculty entry.

3. CENG/ELEC 499 to be taken only once either in Term 4A or 4B. CENG/ELEC 499 may be replaced by ENGR 400 with the permission of the department Chair.

4. Or acceptable replacement.

5. Term 3B4A replaces the Work/Other term following term 3B in the table on page 87.

6. Students must register in this course in the term preceding the final term of their program (academic or work term).

7. Students normally must successfully complete ENGR 020 (Introduction to Professional Practice) before undertaking their first work term.

8. MUS 407 is a two-term course taken in the fall and spring.

9. A course in natural science as required by CEAB guidelines. A current list of acceptable courses may be obtained from the ECE Office.

Department of Mechanical Engineering

Professor Emeritus

James W. Provan, BSc (Strath), MSc, PhD (Colo), PEng

David S. Scott, BSc, MSc (Queen's), PhD (Northw), PEng

Yury Stepanenko, DipEng (Moscow Inst of Machine Tool Eng), Candidate of Science (Moscow Eng Res Inst), DSc (Academy of Science, USSR)

Geoffrey W. Vickers, DipEng (Birm), MSc, PhD (Manc), PEng, CEng

Professors

Colin H. Bradley, BAsC (Brit Col), MS (Heriot-Watt), PhD (Victoria), PEng

Nedjib Djilali, BSc (Hatfield Polytech), MSc (Lond), PhD (Brit Col), PEng, Canada Research Chair in Energy Systems Design and Computational Modelling

Zuomin Dong, BSc (Beijing U of Tech), MSc, PhD (SUNY Buffalo), PEng, Chair

Sadik Dost, DipIng (Karadeniz Tech U), PhD (Istanbul Tech U), PEng, Canada Research Chair in Semiconductor Crystal Growth

Ron P. Podhorodeski, BSc, MSc (Man), PhD (Tor), PEng

Henning Struchtrup, Dipl-Ing, Dr-Ing (Tech Univ Berlin), PEng, Undergraduate Adviser

Afzal Suleman, BSc, MSc (Imp Coll U of Lond), PhD (Brit Col), PEng, Associate Vice-President Research, Department Vice-President Research

Peter M. Wild, BAsC (Brit Col), PhD (Victoria), PEng

Associate Professors

Bradley J. Buckham, BEng, PhD (Victoria), PEng

Rodney A. Herring, BAsC, MASc (Windsor), PhD (Birm), PEng

Peter Oshkai, BA/Math, MS, PhD (Lehigh)

Andrew M. Rowe, BAsC (RMC Kingston), MASc, PhD (Victoria), PEng, Graduate Adviser

David A. Sinton, BAsC (Tor), MEng (McGill), PhD (Tor), PEng, Canada Research Chair in Integrated Microfluidics and Nanofluidics

Joanne L. Wegner, BSc (Calg), MSc, PhD (Alta), PEng

Yang Shi, BS, MS (NPU, China), PhD (Alta), PEng

Assistant Professors

Rustom Bhiladvala, BTech (Indian Inst of Tech), MS (Iowa), PhD (Yale), PEng

Daniela Constantinescu, BAsC (Transylvania), MASc, PhD (Brit Col), PEng

Curran Crawford, BEng (Victoria), MSc (MIT), PhD (Cambridge), PEng

Nikolai Dechev, BAsC, MASc, PhD (Tor), PEng

Martin Byung-Guk Jun, BAsC, MASc (Brit Col), PhD (Illinois), PEng

Senior Instructors

Scott Iverson, BS (California), MS (San Jose State), MSc (Ireland), PhD (Colorado)

Senior Lab Instructors

Patrick A. Chang, Dip Electronics Eng'g, Dip Computing Tech, Laboratory Instructor

Rodney M. Katz, Laboratory Instructor

Minh Hi Ly, BEng (Ho Chi Minh Polytech), Laboratory Instructor

Arthur Makosinski, BA (Newark St Coll), Laboratory Manager

Ian Soutar, Cert Microsoft Firmware Dev, Laboratory Instructor

Professional Staff

Susan Fiddler, BMus (Victoria), Mechanical Engineering Cooperative Education Coordinator

Calvin Tripp, BAsC (Waterloo), Mechanical Engineering Cooperative Education Coordinator

Adjunct and Limited Term Appointments

James B. Haddow, BSc (St And), MSc (Alta), PhD (Manc)

Andrew Ying-Huei Hung, BS (Cheng Kung), MS (Tsing Hua), PhD (Carnegie)

Hubert W. King, SSoc, PhD (Birm), DIC (Imp Coll U of Lond), PEng

Simon Liu, BSc, MSc, PhD, (Jilin)

Barbara Sawicki, BSc, MSc, PhD, DSc (Jagiellonian)

PROGRAMS IN MECHANICAL ENGINEERING

Undergraduate Programs

The Department of Mechanical Engineering offers a program leading to the BEng degree in Mechanical Engineering. The program is accredited by the Canadian Engineering Accreditation Board of the Canadian Council of Professional Engineers. Accreditation ensures that graduates of the programs satisfy the academic requirements for registration with the provincial Associations of Professional Engineers.

The BEng program in Mechanical Engineering consists of the BEng Core (see page 89), Mechanical Engineering Core, and seven Technical Elec-

tives. The Technical Electives allow specialization in various areas of Mechanical Engineering.

Management Option

The Faculty of Engineering in conjunction with the Faculty of Business offers a Management Option. For further details, see BEng and BSEng Management Option, page 89.

Mechatronics and Embedded Systems Option

The Faculty of Engineering offers a Mechatronics and Embedded Systems (MES) Option. For further details, see BEng Mechatronics and Embedded Systems, page 100 (MES) Option. The requirements and schedule of courses for the MES Option for Mechanical Engineering students are given on page 100. Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

Graduate Programs

Please refer to the UVic Graduate Calendar for information on studies leading to the MEng, MAsc and PhD degrees.

PROGRAM REQUIREMENTS

Mechanical Engineering Core

ELEC 365	Applied Electronics and Electrical Machines
MECH 200	Engineering Drawing
MECH 220	Mechanics of Solids I
MECH 240	Thermodynamics
MECH 242	Dynamics
MECH 285	Properties of Engineering Materials
MECH 320	Mechanics of Solids II
MECH 330	Machine Dynamics
MECH 335	Theory of Mechanisms
MECH 345	Mechanics of Fluids I
MECH 350	Engineering Design I
MECH 360	Engineering Design II
MECH 380	Automatic Control Engineering
MECH 390	Energy Conversion
MECH 395	Heat and Mass Transfer
MECH 400	Design Project
MECH 455	Instrumentation
MECH 494	Thermofluids and Introduction to Mass Transfer

Mechanical Engineering Technical Electives and Specializations

The Department of Mechanical Engineering offers a large number of technical electives; the program requires completion of seven technical electives (10.5 units) to be chosen from the lists below. Students who complete 6 units in one of the listed specialization areas can request a Specialization Certificate from the Mechanical Engineering undergraduate office.

Note that some courses appear under more than one category.

Advanced Manufacture

MECH 411	Planning and Control of Production Systems
MECH 460	Computer Aided Manufacture
MECH 462	Small Business Organization
MECH 465	Machine Vision and Sensors
Selected topics and technical projects *	

Advanced Materials

MECH 423	Engineering Ceramics
MECH 471	Fracture, Fatigue and Mechanical Reliability
MECH 473	Ferrous and Non-Ferrous Metals

Selected topics and technical projects *

Computer Aided Engineering

MECH 410	Computer Aided Design
MECH 420	Finite Element Applications
MECH 460	Computer Aided Manufacture
MECH 495	Computational Fluid Dynamics and Heat Transfer

Selected topics and technical projects *

Energy Systems

MECH 443	Advanced Thermodynamics
MECH 445	Cryogenic Engineering
MECH 447	Energy Systems
MECH 449	Fuel Cell Technology
MECH 493	Design of Thermo-Fluid Systems

Selected topics and technical projects *

Fluids and Aerodynamics

MECH 475	Aircraft Design
MECH 492	Transport Phenomena
MECH 493	Design of Thermo-Fluid Systems
MECH 495	Computational Fluid Dynamics and Heat Transfer

Selected topics and technical projects *

Mechatronics

ENGR 466	Integrated Mechatronics and Embedded Systems Project (3 units, required for mechatronics specialization)
MECH 421	Mechanical Vibrations
MECH 430	Robotics
MECH 458	Mechatronics
MECH 465	Machine Vision and Sensors
MECH 466	Microelectromechanical Systems
MECH 485	Mechanism and Manipulator Synthesis

Selected topics and technical projects *

Selected Topics and Technical Projects

* Can be used for specialization, when related to specialization topic

MECH 450	Special Topics Courses
MECH 498	Honours Thesis (3.0 units)
MECH 499	Technical Project (1.5 units)

Courses from Other departments

With the permission of the involved departments, students may take a limited number of upper-level courses as technical electives from other departments.

MECH 500-level Courses

With the permission of the department, students may select courses as technical electives, from the list of 500-level Mechanical Engineering graduate courses.

Minor in Mechanical Systems

A Mechanical Systems Minor is open to all students outside the Mechanical Engineering program. It requires 9 units of MECH-designated courses, with a minimum of 4.5 units at the 300 level or above. In order to accommodate students from different backgrounds, as much flexibility as possible is given in course selection (consistent with course prerequisites). A suitable choice of second-year courses can lead to any areas of specialization given above in the Mechanical Engineering Technical Elective list.

ACADEMIC SCHEDULE: BENG IN MECHANICAL ENGINEERING¹

Terms 1A, 1B and 2A

Students who started their program prior to Sept. 2010

Term 1A	Term 1B	Term 2A
CSC 111	CSC 115	ELEC 216
ENGR 020 ²	CHEM 150	ENGR 240
ENGR 141	ENGR 110 or 111	MATH 200
MATH 100	MATH 101	MATH 201
MATH 110	PHYS 125	MECH 200
PHYS 122		MECH 240

Students who started their program Sept 2010 or later

Term 1A	Term 1B	Term 2A
CSC 111	CHEM 150	CSC 115
ENGR 020 ²	ENGR 120	ELEC 216
ENGR 110 or 111	ENGR 141	MATH 200
MATH 100	MATH 101	MATH 201
MATH 110	PHYS 125	MECH 200
PHYS 122		MECH 240

Terms 2B to 4B

Term 2B	Term 3A	Term 3B
ELEC 250	CSC 349A ³	ELEC 365
ENGR 297	MECH 320	ENGR 280
MECH 220	MECH 335	MECH 330
MECH 242	MECH 345	MECH 360
MECH 285	MECH 350	MECH 380
STAT 254	MECH 390	MECH 395
Term 4A	Term 4B	
MECH 400	ENGR 446 ⁶	
or ENGR 466 ^{3,4}	ENGR 498	
or ENGR 400	Complementary Studies	
MECH 455	Elective (1.5 units) ⁷	
MECH 494	4 Technical Electives	
3 Technical Electives ^{4,5}		

Technical Elective Courses⁸

Technical Electives are offered as follows:

May-August Term

MECH 420	MECH 460
MECH 421	MECH 462
MECH 430	MECH 466
MECH 445	MECH 473
MECH 447	MECH 498
MECH 450	MECH 499

January-April Term

MECH 410	MECH 471
MECH 411	MECH 475
MECH 423	MECH 485
MECH 443	MECH 492
MECH 449	MECH 493
MECH 450	MECH 495
MECH 458	MECH 498
MECH 465	MECH 499

ACADEMIC SCHEDULE: BENG IN MECHANICAL ENGINEERING (MECHATRONICS AND EMBEDDED SYSTEMS OPTION)¹

Terms 1A, 1B and 2A

Students who started their program prior to Sept. 2010

Term 1A	Term 1B	Term 2A
CSC 111	CSC 115	ELEC 216
ENGR 020 ²	CHEM 150	ENGR 240
ENGR 141	ENGR 110 or 111	MATH 200
MATH 100	MATH 101	MATH 201
MATH 110	PHYS 125	MECH 200
PHYS 122		MECH 240

Students who started their program Sept 2010 or later

Term 1A	Term 1B	Term 2A
CSC 111	CHEM 150	CSC 115
ENGR 020 ²	ENGR 120	ELEC 216
ENGR 110 or 111	ENGR 141	MATH 200
MATH 100	MATH 101	MATH 201
MATH 110	PHYS 125	MECH 200
PHYS 122		MECH 240

Terms 2B to 3B

Term 2B	Term 3A	Term 3B
ELEC 250	CSC 349A	ELEC 365
ENGR 297	MECH 320	ENGR 280
MECH 220	MECH 335	MECH 330
MECH 242	MECH 345	MECH 360
MECH 285	MECH 350	MECH 380
STAT 254	MECH 390	MECH 395

Terms 4A, 4B and 4C⁹

Mechanical Engineering Students taking the Mechatronics and Embedded Systems Option will select one of the following 3 alternative schedules.

Schedule 1

Term 4A	Term 4B	Term 4C ⁹
MECH 400	CSC 230	ELEC 466
MECH 455	ENGR 446 ⁶	ENGR 466 (3.0)
MECH 494	ENGR 498	MECH 466
SENG 265	MECH 458	Technical Elective ⁵
Technical Elective ⁵ or SENG 271	2 Technical Electives	
Technical Elective ⁵	1 Complementary Studies Elective (1.5) ⁷	

Schedule 2

Term 4A	Term 4B	Term 4C ⁹
MECH 400	CSC 230	ENGR 466 (3.0)
MECH 455	ENGR 446 ⁶	MECH 466
MECH 494	ENGR 498	2 Technical Electives ⁵
SENG 265	MECH 458	
Technical Elective ⁵ or SENG 271	Technical Elective	
Technical Elective ⁵	1 Complementary Studies Elective (1.5) ⁷	

Schedule 3

Term 4A	Term 4B	Term 4C ⁹
MECH 400	CSC 230	ELEC 466
MECH 455	ENGR 446 ⁶	ENGR 466 (3.0)
MECH 494	ENGR 498	2 Technical Electives ⁵
SENG 265	MECH 458	
Technical Elective or SENG 271	SENG 466	
Technical Elective	Technical Elective	
	1 Complementary Studies Elective (1.5) ⁷	

Academic Schedules Notes

1. Deviation from the standard program schedule requires submission of a Program Change Form and approval by the department before commencement of term. Students with third- and fourth-year standing will have registration priority for 300- and 400-level courses.

2. ENGR 020 (Introduction to Professional Practice) is mandatory for BEng students. Students normally must successfully complete ENGR 020 before undertaking their first work term.

3. Students who do not plan to enrol in the Mechatronics and Embedded Systems Option but who do plan to take ENGR 466 must take MECH 458 in place of CSC 349A in term 3A and take CSC 349A in term 4B in place of a technical elective.

4. Students who are not enrolled in the Mechatronics and Embedded Systems Option but who are taking ENGR 466 will take only 2 electives in term 4A as ENGR 466 is a 3.0 unit course.

5. Students entering Mechanical Engineering through the Engineering Bridge Program must take ENGR 297 in place of one technical elective.

6. Students normally register in this course in the term preceding the final term of their academic program (academic or work term).

7. Must be a course dealing with central issues in humanities or social sciences, as required by CEAB guidelines for complementary studies, and as approved by the BEng Programs Committee. A current list of acceptable replacement courses is available from the BEng Office.

8. Depending on student interest and faculty availability, courses from the Technical Electives lists will be offered by the department.

9. 4C is in the summer term, following 4B.

Interdepartment Program (BSEng) Requirements

Program Director: Jens H. Weber, Dr rer nat (Paderborn), PEng, Associate Professor

Belinda de Jong, BA (UVic), Administrative Officer

LeAnne Golinsky, Admissions/Advising Officer

Meeta Khurana, BSc (DePaul), MSc (Western), Co-operative Education Coordinator

Christopher Mueller, BEng, MASc (UVic), Programmer Analyst

Seann Wagner, BSc (UVic), Programmer Analyst

The Bachelor of Software Engineering (BSEng) degree is offered jointly by the Department of Computer Science and the Department of Electrical and Computer Engineering. The Software Engineering Program Board is responsible for overseeing the quality and operation of the BSEng program. This board is chaired by the BSEng Program Director and has representation from both the Department of Computer Science and the Department of Electrical and Computer Engineering. The Program Director is responsible for the day-to-day leadership and administration of the program.

BSEng Academic Advice

Students wishing to obtain more information about the BSEng program should contact the Program Director. Students in the program may also find it helpful to discuss questions with the assigned faculty advisers in Computer Science and Electrical and Computer Engineering.

BSEng Co-op Requirements

Co-operative Education is mandatory in the BSEng degree program.

Please refer to the Faculty of Engineering Co-operative Education Programs General Regulations, page 101.

BSEng Program Requirements

First Year

Students who started their program prior to September 2010

Term 1A

CSC 111 (1.5)	Fundamentals of Programming with Engineering Applications
ENGR 020 ¹	Introduction to Professional Practice
ENGR 141 (1.5)	Engineering Fundamentals I
MATH 100 (1.5)	Calculus I
MATH 110 (1.5)	Matrix Algebra for Engineers
PHYS 122 (1.5)	Mechanics for Engineers

Term 1B

CHEM 150 (1.5)	Engineering Chemistry
CSC 115 (1.5)	Fundamentals of Programming II
ENGR 110 ² or 111 ² (2.5)	Design and Communication IA or IB
MATH 101 (1.5)	Calculus II
PHYS 125 (1.5)	Fundamentals of Physics

Students who started their program September 2010 or later

Term 1A

CSC 111 (1.5)	Fundamentals of Programming with Engineering Applications
ENGR 020 ¹	Introduction to Professional Practice
ENGR 110 ² or 111 ² (2.5)	Design and Communication IA or IB
MATH 100 (1.5)	Calculus
MATH 110 (1.5)	Matrix Algebra for Engineers
PHYS 122 (1.5)	Mechanics for Engineers

Term 1B

CSC 115 (1.5)	Fundamentals of Programming II
ENGR 120 (2.5)	Design and Communication II
ENGR 141 (1.5)	Engineering Fundamentals I
MATH 101 (1.5)	Calculus II
PHYS 125 (1.5)	Fundamentals of Physics

Second Year

Students who started their program prior to September 2010

Term 2A

CSC 230 (1.5)	Computer Architecture and Assembly Language
ELEC 255 (1.5)	System Dynamics
ENGR 240 (1.5)	Technical Writing
MATH 122 (1.5)	Logic and Foundations
SENG 265 (1.5)	Software Development Methods
STAT 260 (1.5)	Introduction to Probability and Statistics I

Students who started their program September 2010 or later

Term 2A

CHEM 101 ³ (1.5)	Fundamentals of Chemistry I
CENG 255 ⁴ (1.5)	Introduction to Computer Architecture
or CSC 230 ⁴ (1.5)	Computer Architecture and Assembly Language
ELEC 260 (1.5)	Continuous-Time Signals and Systems
MATH 122 (1.5)	Logic and Foundations
SENG 265 (1.5)	Software Development Methods
STAT 260 (1.5)	Introduction to Probability and Statistics I

Term 2B⁵

CSC 225 (1.5)	Algorithms and Data Structures I
ELEC 310 (1.5)	Digital Signal Processing I
ENGR 280 (1.5)	Engineering Economics
MATH 222(1.5)	Discrete and Combinatorial Mathematics
SENG 271 (1.5)	Software Architecture and Systems
SENG 310 (1.5)	Human Computer Interaction

Third Year

Term 3A

CSC 360 (1.5)	Operating Systems
ELEC 360 (1.5)	Control Theory and Systems I
SENG 321 (1.5)	Requirements Engineering and Formal Specifications
SENG 371 (1.5)	Software Evolution
SENG 380 (1.5)	Software Process and Management
Natural Science Elective ⁶ (1.5)	

Term 3B

CENG 355 ⁴ (1.5)	Microprocessor-Based Systems
or CSC 355 ⁴ (1.5)	Digital Logic and Computer Organization
CENG 460 ⁴ (1.5)	Computer Communication Networks
or CSC 361 ⁴ (1.5)	Computer Communications and Networks
CSC 320 (1.5)	Foundations of Computer Science
CSC 370 (1.5)	Database Systems
SENG 360 (1.5)	Security Engineering
Complementary Studies Elective ⁷ (1.5)	

Fourth Year

The fourth year of the BSEng Program includes five technical electives. This allows each student to focus his or her studies into one or more areas of greatest interest. Students must choose the five technical electives from the BSEng core electives given in List I and List II below. To ensure each student's program satisfies accreditation requirements, these electives must be chosen in consultation with the Software Engineering Program Office and are subject to approval by that office, prior to registration in any elective. Subject to the same consultation and approval, other courses offered by the Faculty of Engineering may also be used to satisfy this technical elective requirement.

Term 4A

SENG 426 (1.5)	Software Quality Engineering
SENG 440 (1.5)	Embedded Systems
2 electives (3.0) from List I and/or List II	
Free elective (1.5) taken from any faculty	
Natural Science Elective ⁶ (1.5)	

Term 4B

CENG 455 ⁴ (1.5)	Real Time Computer Systems
or CSC 460 ⁴ (1.5)	Design and Analysis of Real-Time Systems
ENGR 446 (1.0)	Technical Report
SENG 401 (1.5)	Social and Professional Issues
SENG 499 ⁸ (1.5)	Technical Project
3 electives (4.5) from List I and/or List II	
<i>1. Students normally must successfully complete ENGR 020 (Introduction to Professional Practice) before undertaking their first Work Term Module (first Work Term for BSEng students).</i>	
<i>2. Students must successfully complete the University English requirements or ENGR 110 or 111 before undertaking their fifth Work Term Module (second work term for BSEng students).</i>	
<i>3. CHEM 150 can be substituted for CHEM 101.</i>	
<i>4. When both courses are offered in the same term, only one of them may be open to BSEng students.</i>	
<i>5. Bridge Students entering the BSEng Program in Term 2B must take SENG 265 instead of CSC 225, and must normally complete ENGR 020 (Introduction to Professional Practice) before undertaking their first Work Term Module (first work term for BSEng students).</i>	
<i>6. A course in natural science as required by CEAB guidelines. A current list of acceptable courses may be obtained from the BSEng Program Office.</i>	
<i>7. A Complementary Studies Elective course dealing with central issues in humanities or social sciences, and as approved by the Faculty of Engineering's BSEng/BSEng Student Programs Committee. A current list of acceptable courses may be obtained from the BSEng Program Office.</i>	
<i>8. On the recommendation of the BSEng Program Office and the permission of the ECE Department, credit for ENGR 400 may be applied in lieu of SENG 499 as the Term 4B program requirement</i>	

BSEng 4th Year Technical Electives

BSEng Electives List I

CENG 450	Computer Systems and Architecture
CENG 453	Introduction to Parallel and Cluster Computing
CSC 461	Multimedia Systems
CSC 462	Distributed Computing
or SENG 462	Distributed Systems and the Internet
ELEC 426	Robotics
ELEC 466	System-on-Chip Engineering for Signal Processing
MECH 466	Microelectromechanical Systems
SENG 422	Software Architecture
SENG 450	Network-centric Computing
SENG 454	Component Based Software Engineering
SENG 466	Software for Embedded and Mechatronics Systems

BSEng Electives List II

CENG 412	Human Factors in Engineering
CENG 420	Artificial Intelligence
or CSC 421	Introduction to Artificial Intelligence
CENG 461	Analysis and Design of Computer Communications Networks
CSC 305	Introduction to Computer Graphics
CSC 326	Algorithms and Data Structures II
CSC 330	Programming Languages
CSC 340	Numerical Methods
CSC 425	Analysis of Algorithms
CSC 428	Computational Biology Algorithms
CSC 429	Cryptography
CSC 435	Compiler Construction
CSC 445	Operations Research: Linear Programming
CSC 446	Operations Research: Simulation
CSC 454	Fault-Tolerant Computing
CSC 463	Wireless and Mobile Networks
CSC 464	Concurrency
CSC 466	Overlay and Peer-to-Peer Networking
CSC 467	Switching, Network Traffic and Quality of Service
ELEC 407	Digital Signal Processing II
ELEC 485	Pattern Recognition
ENGR 400 ¹	Sustainable Energy Systems Design Project
SENG 410	Media Applications
SENG 424	System Reliability
SENG 435	Computer Supported Collaborative Work
SENG 460	Practice of Information Security
SENG 461	Network Security
SENG 470	Management of Software Development
SENG 472	Software Process
SENG 474	Data Mining
SENG 480 ¹	Topics in Software Engineering
SENG 490 ¹	Directed Studies
SENG 499 ²	Technical Project

1. May be taken for credit with the permission from the BSEng Program Office.

2. Only one of ENGR 400 and SENG 499 may be taken for credit as a List II Technical Elective.

BSENG OPTIONS

Biomedical Option Requirements

Students are admitted to the Biomedical Option at the completion of their 3B term. Enrolment is limited and students are cautioned that they must apply for admission and be admitted before registering in any of the option-required courses. Applications are processed by the Bachelor of Software Engineering Program Office.

The Biomedical Option requires the completion of an additional 6.0 units of courses as follows:

- CSC 428 (1.5) Computational Biology Algorithms
 EPHE 141 (1.5) Introductory Human Anatomy
 HINF 280 (1.5) Biomedical Fundamentals
 HINF 335 (1.5) Health Information Standards

Note that students taking the option must take BIOL 190A as 1.5 units natural science elective.

Students who complete all requirements of the BSEng program as well as all requirements of the Biomedical Option will receive their BSEng degree and their transcripts will also bear the designation, "Biomedical Option."

All courses taken in the Biomedical Option will be included in the faculty standing review of students in the BSEng program.

Communication and Networks Option Requirements

Students are admitted to the Communication and Networks Option at the end of their 3B term. Enrolment is limited and students are cautioned that they must apply for admission and be admitted before registering in any of the option-required courses. Applications are processed by the Bachelor of Software Engineering Program Office. The Communication and Networks Option requires the completion of an additional 6.0 units of courses as follows:

- SENG 461 (1.5) Network Security
 Three of:
 CENG 461 (1.5) Design and Analysis of Computer Networks
 CSC 446 (1.5) Operations Research - Simulation
 CSC 463 (1.5) Wireless and Mobile Networks
 CSC 466 (1.5) Overlay and Peer-to-Peer Networking
 CSC 467 (1.5) Switching, Network Traffic and Quality of Service

Note that students taking the option must take CSC 462 or SENG 462 as 1.5 units technical elective. It is recommended that students interested in this option consider taking courses in areas related to economics and psychology.

Students who complete all requirements of the BSEng program as well as all requirements of the Communication and Networks Option will receive their BSEng degree and their transcripts will also bear the designation, "Communication and Networks Option."

All courses taken in the Communication and Networks Option will be included in the faculty standing review of students in the BSEng program.

Management Option

The Faculty of Engineering in conjunction with the Faculty of Business offers a Management Option. For further details, see BEng and BSEng Management Option on page 89.

Technology Policy Option

The Faculty of Engineering offers a Technology Policy Option. For further details see BEng and BSEng Technology Policy Option on page 90.

Mechatronics and Embedded Systems Option Requirements

The Mechatronics and Embedded Systems Option of the BSEng program requires completion of the following additional courses:

- ENGR 466 Integrated Mechatronics and Embedded Systems Project
 MECH 458 Mechatronics
 SENG 466 Software for Embedded and Mechatronics Systems
 and one of the following two courses:
 ELEC 466 System-on-Chip Engineering for Signal Processing
 MECH 466 Microelectromechanical Systems

Note that ELEC 466 and MECH 466 can be taken as an Elective List I course.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

Credit for one work term will be given to students completing this option due to the industrial exposure provided.

Students who complete all requirements of the BSEng Program as well as all requirements of the Mechatronics and Embedded Systems option will receive their BSEng degree and their transcripts will also bear the designation, "Mechatronics and Embedded Systems Option."

All courses taken in the Mechatronics and Embedded Systems option will be included in the faculty standing review of students in the BSEng program.

Academic Schedule: Mechatronics and Embedded Systems Option

See page 98 for Terms 1A, 1B, 2A, 2B, 3A, 3B and electives.

Term 3B4A

- CENG 455 (1.5) Real Time Computer Systems
 or CSC 460 (1.5) Design and Analysis of Real-time Systems
 MECH 458 (1.5) Mechatronics
 Natural Science elective (1.5)¹
 Two electives (3.0) from List I and/or List II

Total: 7.5 units

Term 4A

- ELEC 466 (1.5) System-on-Chip Engineering for Signal Processing
 or MECH 466 (1.5) Microelectromechanical Systems
 ENGR 466 (3.0) Integrated Mechatronics and Embedded Systems Project
 SENG 426 (1.5) Software Quality Engineering
 SENG 440 (1.5) Embedded Systems
 One elective (1.5) from List I and/or List II

Total: 9.0 units

Term 4B

- ENGR 446² (1.0) Technical Report
 SENG 401 (1.5) Media Applications
 SENG 466 (1.5) Software for Embedded and Mechatronics Systems
 Complementary Studies elective (1.5)³

Three electives (4.5) from List I and/or List II

Total: 10.0 units

1. A course in natural science as required by CEAB guidelines. A current list of acceptable courses may be obtained from the BSEng Program Office.

2. All BSEng students normally register in ENGR 446 (Technical Report) in the term preceding their final term of their program (academic or work term).

3. A Complementary Studies Elective course dealing with central issues in humanities or social science, and as approved by the Faculty of Engineering's BEng/BSEng Student Programs Committee. A current list of acceptable courses may be obtained from the BSEng Program Office.

Security Option Requirements

Enrolment in the Security Option is limited to students with third year standing and is based on the most recent GPA before the start of the option. Students must apply for admission to the Bachelor of Software Engineering Program Office. The application deadline is the start of the Winter Session (Term 3B) when the option is offered.

The Security Option requires the completion of an additional 6.0 units of courses as follows:

- CSC 429 (1.5) Cryptography
 PSYC 100B (1.5) Introductory Psychology II
 SENG 460 (1.5) Practice of Information Security
 SENG 461 (1.5) Network Security

Students in this option must take either SENG 462 or CSC 462 as 1.5 units technical elective. Two out of the remaining four technical electives must be from List I. It is recommended that students in this option consider for their 1.5 units complementary studies electives and 1.5 units free elective, courses in areas related to law, ethics, risk management, public administration and technology policy.

Students who complete all requirements of the BSEng program as well as all requirements of the Security Option will receive their BSEng degree and their transcripts will also bear the designation, "Security Option."

All courses taken in the Security Option will be included in the faculty standing review of students in the BSEng program.

Engineering and Computer Science/Math Co-operative Education Programs

Professional Staff

Manfred Bultmann, MA (Cologne), Engineering and Computer Science/Math Co-op and Career Services, Program Manager

Susan Fiddler, BMus (UVic), Mechanical Engineering Co-operative Education Coordinator
 Jonathan Foweraker, BSc (York), MSc (Bath), PhD (Cambridge), Computer Engineering Co-operative Education Coordinator

Duncan Hogg, BSc, MSc (UVic), Computer Science Co-operative Education Coordinator

Meeta Khurana, MSc (West), Electrical Engineering and Software Engineering Co-operative Education Coordinator

Rhonda Korol, BSc (Toronto), MSc (UVic), Electrical Engineering Co-operative Education Coordinator

Calvin Tripp, BAsC (Wat), Mechanical Engineering Co-operative Education Coordinator

General Regulations

Co-operative Education is mandatory in the BEng and BSEng degree programs.

The University regulations with respect to Co-operative Education Programs, page 46, are applicable to the BEng, BSEng and Computer Science/Math degree program students except to the extent that they are modified by regulations adopted by the BEng, BSEng or Computer Science/Math Co-op programs.

The faculty and departments will endeavour to inform students who appear to be at risk of violating any of these requirements. Failure to do so, however, in no way obligates the faculty or the departments to waive a requirement at a later date.

The Engineering and Computer Science/Math Co-op office is responsible for overseeing and evaluating work placements, and the assignment of the work term grades.

Admission and Retention Regulations for CSC/Math Co-op Students

The normal requirements for admission of students to a Computer Science/Mathematics Co-op Program are the completion of CSC 110, MATH 100 and the following:

1. the completion of at least 4.5 units on their last academic term
2. a minimum grade of B- in any Computer Science courses and a minimum grade of C+ in any Mathematics or Statistics courses taken on their last academic term
3. no grades of F, E or N in courses taken on their last academic term

Students are normally admitted to a program in January after their first term on campus; application for admission should be made before the end of the first term. However, a student may be admitted to a program up to the end of his or her second year. A student will be admitted to a Co-op Program only if there is a satisfactory schedule of academic terms and work terms that will enable the student to complete all co-op requirements.

For students who have completed all of CSC 110 and 115 and MATH 100, 101, 122, the normal requirements for admission to a Computer Science/Mathematics Co-op Program are:

1. the completion of at least 4.5 units on their last academic term
2. a minimum grade of B- in any of CSC 115, 225, 230 and SENG 265 taken on their last academic term; a minimum grade of C+ in any other Computer Science courses taken on their last academic term; and a minimum grade of C in any Mathematics or Statistics courses taken on their last academic term
3. no grades of F, E or N in courses taken on their last academic term

Students registered in a Co-op Program must normally be enrolled in at least 6 units of course

work during each academic term. The performance of students will be reviewed after each academic term and each work term. Students who fail to achieve satisfactory standing on an academic or satisfactory completion of a work term (see General Co-op Regulations in UVIC Calendar) may be required to withdraw from the program. Each work term is recorded on the student's academic record and transcript.

Work Term Sequence

BEng and CSC/Math students' work terms are normally of four months' duration and alternate with academic terms. Upon approval, work terms of 4 months can be combined to 8-, 12-, or 16-month periods of employment. BEng students need to submit a modified program request to their respective departmental office for approval of work terms longer than 4 months.

The BSEng Co-op work placement consists of a number of blocks of full-time employment that will normally span four-month intervals. However, work periods may be as short as 1 month or as long as 16 months. BSEng students need to submit a modified program form to the BSEng Office for approval of work terms longer than 4 months. No credit for work experience will be granted for periods with a single employer where the total time with that employer is less than 2 months. A BSEng student undertaking an approved work placement must be registered in an appropriate set of Work Term Modules. A Work Term Module represents a one-month period of continuous employment and hence corresponds to one-fourth of a full work term.

Work Term Prerequisites

BEng and BSEng Students

ENGR 020 (Introduction to Professional Practice) and ENGR 240 (Technical Writing) are mandatory requirements for BEng and BSEng students.

Students normally must successfully complete ENGR 020 (Introduction to Professional Practice) before undertaking their first work term (first Work Term Module for BSEng students).

Students must successfully complete the University English Requirement or ENGR 110 or 111, and ENGR 120 or 240 (Technical Writing) before undertaking their second work term (fifth Work Term Module for BSEng students).

Computer Science/Math Students

The CSC Work Placement Preparatory Course is a mandatory requirement for Computer Science/Math Co-op students. Students normally must have completed the preparatory course before undertaking their first work term but in all cases must complete it before taking the second work term.

Students with significant work experience may complete a "Prior Learning Assessment". Advance placements or waivers for this course may be considered on this basis only.

Students normally must complete the University English Requirement before undertaking their first work term but in all cases must complete this requirement before their second work term.

Work Term Credits/Reductions

Students must pass four work terms in order to qualify for the BEng, BSEng and CSC/MATH Co-op degree.

There are, however, several clearly defined situations where this requirement may be reduced by one or at most two work terms. Please note that the total work term credits/reductions that can be accumulated under this section is limited to a maximum of two.

1. A student with extensive technical work experience completed prior to admission to the program may apply to challenge for credit one or two work terms (8 Work Term Modules for BSEng students). It should be noted that only one challenge is permitted in CSC and the BEng/BSEng Mechatronics and Embedded Systems (MES) Option. No challenge credit will be granted in the combined CSC/Health Information Science programs.
2. A student with co-op work terms from another post-secondary institution may apply for transfer credit (to a maximum of two) toward the four required work terms if they have at least 12 units of academic credit which transfers from that institution towards the BEng, BSEng or CSC/MATH co-op degree. Detailed documentation supporting the credit request may be required.

A student with at least four months related work experience may apply for work term credit by challenge. Students must apply in writing to the Engineering and Computer Science/Math Co-op office for challenges and transfer credits. Applications must be made within the first four months of attendance in the BEng, BSEng or CSC/Math programs at UVic.

A student undertaking continuous co-op work experience longer than four months must be registered in a separate work term for each 4 month period and may be granted credit for additional work terms provided the basic requirements for each individual work term are met. Additional work terms should incorporate increased responsibility. For any period of work beyond 4 months for which there are no additional registrations, the student will lose co-op status and full-time standing at UVic.

Work Term Application and Registration

Students must be registered for the work term by completing the Work Term Registration Form.

Students are expected to participate fully in the placement process. While every attempt will be made to ensure that all eligible students are placed, the Engineering and Computer Science/Math Co-op office is under no obligation to guarantee placement.

Students should be aware that they may be required to spend work terms outside the greater Victoria area.

The Engineering and Computer Science/Math Co-op Program reserves the right to approve any employer that provides placements for students and to withdraw a student from any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any withdrawal and can follow the student appeal procedures as outlined in the Co-operative Education Program section.

Students must be registered for the entire duration of the work term placement and, once registered, are not permitted to withdraw from the placement without penalty of failure, unless specific written permission has been granted by the Dean. Where permission is granted, an entry of

WNF (Withdraw No Fault) will be entered on the transcript.

Work Term Assessment

Students are required to write a report for each four-month work term. The report is expected to be technical in nature, based on aspects of the work the student was involved in while on a work term and follow the guidelines as outlined on the Engineering and Computer Science/Math Co-op web site.

Students must mail or hand-deliver a hard copy of the report directly to the Engineering and Computer Science/Math Co-op office. Work Term Reports are due by 4:00 pm on the 1st Friday of the academic term following the completion of a students' work term. Reports mailed to the co-op office from out of town students must be post marked before the report due date. Due dates are e-mailed to students as a reminder one month prior to the end of each work term by the co-op office. Failing grades are submitted for work term reports not handed in by the due date.

Work term reports that are proprietary in nature are acceptable. Students should discuss these reports with their Coordinator to determine the regulations for these reports.

The requirements for a pass grade in a Co-op work term include:

- the employer's satisfactory final evaluation of the student,
- the satisfactory completion of a work term report as assessed by a Coordinator, a designated member of the Faculty of Engineering, or an approved marker as designated by the Engineering and Computer Science/Math Co-op Office and
- for BEng and BSEng students a log of the student's work activities

Note: Receiving an unsatisfactory grade in either the final evaluation or work term report or not handing in the log (BEng and BSEng students) will result in a failing grade for the work term.

All work term report extension requests must be submitted in writing to the Program Manager, Engineering and Computer Science/Math Co-op at least 2 weeks prior to the due date. The requests will be individually assessed. Students must be advised that only valid reasons as outlined in the UVic Calendar (See Academic Concessions, page 35) will be accepted and extensions provided accordingly.

A grade of COM, F/X, or N/X will be assigned to students at the completion of each work term; COM is the passing grade. Students should be aware that an N/X or F/X grade in a work term may result in a change in their university standing. An appeal of an F/X or N/X grade awarded for a work term will only be considered if it is submitted within six months of completion of the work experience. Students who fail a work term or have not completed a work term by the end of four academic terms may be required to withdraw.

An evaluation of the work term will be based on the student's performance of assigned work term tasks, as indicated in the employer's evaluation of the student, a written work term report evaluated by a designated member of the Engineering and Computer Science/Math Co-op

Office or the Faculty of Engineering, and for BEng and BSEng students a log of the student's work activities in a form that conforms to the requirements for log books set out in the Faculty of Engineering guidelines.

The work performance of BSEng students will be assessed during and at the end of each continuous block of employment, with the formal work term credit assessment occurring at the end of each four-month aggregate of experience. BSEng students will submit a copy of their logbook at the end of each Work Term Module.

Co-op Program Fee

The university assesses a Co-op Program Fee for each work term, which is non-refundable, that is due in the first month of each work term and is subject to the University's general fee regulations.

A fee is also assessed for work term challenges but no fee is assessed for work term transfer credits.

Status of Students on Work Terms

Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university-level credit courses without the permission of the Program Manager of the Engineering/CSC/Math Co-op program for BEng/BSEng and CSC/Math students.

Students who are not registered in academic terms or in work terms should make themselves aware of the implications of their lack of full-time status.

Computer Science, Computer Science (Software Engineering Option), Computer Science (Bioinformatics Option), Computer Science (Theory Option), Computer Science/Mathematics and Computer Science/Statistics

Students admitted to one of these programs who wish to participate in Co-op must successfully complete four work terms in order to complete their Co-op degree requirements, and satisfy the course requirements of their specific degree program.

Computer Science (Business Option)

Students admitted to the Major Program in Computer Science (Business Option) are required to take part in the Co-op Education Program. They must successfully complete four work terms. First year students interested in the Business Option should register for ECON 103 and 104 in their fall term, and should contact the Computer Science Advising Office to arrange for their spring term registration in COM 220. Students can apply for Co-op once they have completed CSC 110 and MATH 100.

Computer Science (Mechatronics and Embedded System Option)

Students participating in this program are required to take part in the Co-op Education Program. They must successfully complete four work terms. Interested students should contact the Computer Science Advising Office regarding admission during their first term on campus or upon deciding to enter the program. Students can apply for Co-op once they have completed CSC 110 and MATH 100.

Health Information Science/Computer Science

Students admitted to the Combined Program in Health Information Science and Computer Science are required to take part in the Co-op Education Program. In addition to completing their degree requirements, they must successfully complete a minimum of three work terms with at most two in one department, and be enrolled in a minimum of six units of course work each campus term in order to graduate in this program. The granting of work term credit by challenge is not permitted in this program.

Geography/Computer Science, Music/Computer Science, Physics/Computer Science, Psychology/Computer Science, Visual Arts/Computer Science

Students in one of these Combined Programs who wish to participate in Co-op may, if eligible, enrol in and undertake work terms in both Co-op programs or may, if eligible, enrol and undertake work terms in only one Co-op program. They must successfully complete four work terms in order to complete their Co-op degree requirements. Students who complete at least two work terms in each area will have the combined nature of their program noted as part of the Co-op designation on their official records.

Computer Science/Mathematics Work Experience Program

The Computer Science/Mathematics Work Experience program is intended for students who are enrolled in, or have completed, at least 3 units of 300- or 400-level courses in Computer Science, Software Engineering, Mathematics or Statistics in any Major, Honours or Option degree program in either the Department of Computer Science or the Department of Mathematics and Statistics, or in any combined degree program offered entirely within these two departments. Students participating in the Work Experience program must pass two co-op work experience terms, that is, a total of eight months of full-time, discipline-related work under the supervision of the Engineering and Computer Science/Mathematics Co-op Program. These work experience terms are subject to the General Regulations: Undergraduate Co-op, with the exception that work experience credit by challenge is not permitted. Students passing the required two work experience terms will receive a designation of Work Experience on their academic record and transcript.

Students should contact the Engineering and Computer Science/Mathematics Co-op Office to discuss entry into this program.

Faculty of Fine Arts

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School of Music	108
Department of Theatre	111
Department of Visual Arts	115
Department of Writing	116



The Faculty of Fine Arts offers students a wide range of courses in writing, theatre, music, visual arts and history in art.

Applied and theoretical instruction enables students to acquire a sound foundation of knowledge and skills while they explore their own creativity.

Sarah Blackstone, BA Honors (Wyoming), MA (Kansas State), PhD (Northwestern), Dean

Lynne Van Luven, BA (Sask), MA, PhD (Alta), Associate Dean

Samantha Knudson, Academic Administrative Officer

Anne Heintz, Advising Officer

General Information

Degrees and Programs Offered

The Faculty of Fine Arts comprises the Departments of History in Art, Theatre, Visual Arts, Writing and the School of Music. The faculty offers programs leading to the degrees of Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music and Bachelor of Science. The faculty also offers interdisciplinary programs in Film Studies and Arts of Canada, as well as diploma and certificate programs in several subdisciplines of Fine Arts.

Graduate Programs

Graduate studies are offered in Music, History in Art, Theatre, Visual Arts and Writing. For information on graduate programs, please refer to the UVic Graduate Calendar.

Co-operative Education Programs

Please refer to page 45 for a general description of Co-operative Education.

In the Faculty of Fine Arts, the Humanities, Fine Arts and Professional Writing Co-operative Education program is offered. For information, please see page 105. Details of the program in the Department of Writing are outlined on page 116.

Admission to and completion of co-operative education programs are governed by individual departmental requirements. As a required part of the program, students are employed for specific work terms. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35. This

employment is related as closely as possible to the student's course of studies and individual interest.

Students may withdraw from the Co-operative Education Program at any time during an academic term and remain enrolled in a degree program offered by their department.

Academic Advice and Program Planning

Students entering the faculty for the first time should consult the Faculty of Fine Arts Advising Centre in Room 119 of the Fine Arts Building for advice about course planning.

Students entering the School of Music should consult the School of Music for advice about course planning. If possible, this should be done before registration.

Students registered in the Faculty of Fine Arts who intend eventually to enter the teaching profession should note the admission requirements of the programs of the Faculty of Education. These requirements should be kept in mind when choosing academic electives in undergraduate degree programs.

Pre-Architecture Planning

Since Canadian Architectural programs vary widely in their prerequisites for admission, undergraduates interested in future careers in architecture, urban planning or landscape architecture are urged to request this essential information from the School of Architecture they are interested in entering.

For advice on course selection, students planning an architectural degree should consult the Fine Arts Advising Centre or the Advising Centre

for the Faculties of Humanities, Science and Social Sciences.

Availability of Courses to Students in Other Faculties

All courses in the Faculty of Fine Arts carry unrestricted credit in the Faculties of Humanities, Science and Social Sciences.

Students in the Faculty of Education may register for credit in any course offered by the Faculty of Fine Arts, provided space is available and they have the prior approval of the Education Advising Centre.

Limitation of Enrolment

Because of limited space and resources in some programs, not all qualified candidates can be admitted; early application is therefore highly recommended.

Students from other faculties should note that enrolment in certain courses may be limited and preference given to students registered in the Faculty of Fine Arts. Consult the department or school concerned for specific information.

Faculty Admissions

Admission Requirements

Applicants seeking admission to the Faculty of Fine Arts should refer to the admission requirements on page 24. Additional requirements for admission to the Departments of Music, Theatre, Visual Arts and Writing are included in each department's entry.

Faculty of Fine Arts Programs

	BA		BFA		BMus		BSc	Minors	Co-op Option
	Honours	Major	Honours	Major	Honours	Major	Major		
Departmental Programs									
History in Art	•	•							•
Music				•		•	•	•	•
Theatre	•			•					•
Visual Arts				•			•		•
Writing		•		•				•	•
Interdisciplinary Programs									
Film Studies ¹								•	
Arts of Canada ¹								•	
European Studies ⁴								•	
Diplomas and Certificates									
Diploma in Fine Arts									
Certificate in Foundations in Indigenous Fine Arts ²									
Diploma in Cultural Resource Management ³									•
Professional Specialization Certificate in Heritage Conservation Planning ³									
Professional Specialization Certificate in Collections Management ³									
1. Offered by the Faculties of Fine Arts and Humanities 2. Offered in cooperation with the En’owkin Centre in Penticton, BC 3. Offered through UVic Continuing Studies 4. Offered by the Faculties of Fine Arts, Humanities, and Social Sciences									



ADMISSION TO A SECOND BACHELOR'S DEGREE

Students wishing to complete a second bachelor's degree should proceed as outlined on page 40.

CREDIT FOR COURSES OFFERED BY OTHER INSTITUTIONS

Students who plan to undertake work at other universities must receive prior approval from the Fine Arts Advising Centre if they wish such courses to be credited towards a degree program in the Faculty of Fine Arts. To be eligible for a Letter of Permission to take courses elsewhere, the student must have completed, or be registered in, no less than 6 units at UVic. Upon successful completion of such work, the student must request the registrar of the other university to send an official transcript of record to Records Services at UVic.

Candidates for a bachelor's degree must normally complete at UVic a minimum of 30 units at the 100 level or above, including at least 18 of the minimum 21 upper-level units required for all degree programs. Students may take at another institution:

- no more than 6 of the upper-level units required for the Honours Program
- no more than 3 of the 15 upper-level units required for the Major Program
- no more than 3 of the 9 upper-level units required for the Minor Program

Applications for Letters of Permission to undertake studies elsewhere must be accompanied by \$10.00 payment per application, per institution.

Faculty Academic Regulations

GENERAL REGULATIONS

Calendar regulations governing registration, fees, and academic advancement apply to all students registered in the Faculty of Fine Arts. Special regulations are set out under the department entries.

FACULTY OF FINE ARTS DEGREE REQUIREMENTS

Each candidate for a Bachelor's degree in the Faculty of Fine Arts is required:

1. to have satisfied the Undergraduate English requirement, page 29
2. to present credit in a minimum of 60 units of university-level courses numbered 100 and above; at least 30 of these 60 units must normally be UVic courses
3. to include in these 60 units a minimum of 21 units of courses numbered at the 300 and 400 level; at least 18 of the 21 upper-level units should normally be UVic courses
4. to meet the specific program requirements prescribed by the faculty for the student's declared degree program (see individual department and school listings for details).

RECORD OF DEGREE PROGRAM

All students in the Faculty of Fine Arts are required to complete a Record of Degree Program form in consultation with the Fine Arts Advising Centre (or, in the case of Music students, with the School of Music office) preferably near the beginning of their third year of studies. The purpose of this form is to ensure that proposed courses will meet the requirements for the degree program selected.

Faculty Degree Programs

HONOURS AND MAJOR PROGRAMS

Details of Honours and Major programs in the faculty are presented under the entries of the individual departments offering the programs.

INTERFACULTY PROGRAMS

It may be possible for students to arrange for an Interfaculty Double Honours, Joint Honours and Major or Double Major Program. Students must contact the Advising Centre for the Faculties of Humanities, Science and Social Sciences for further information and are strongly urged to do so before registering in courses which they wish to count for credit on an Interfaculty Program. Such programs involve satisfying the Honours and/or Major requirements of two disciplines, both leading to the same degree, in two different faculties. Agreement to details of all such programs must be signed by the student and by representatives of the academic units involved. Students in an Interfaculty Program will be subject to the regulations of the faculty in which they are registered.

Only one Bachelor's degree with a Double Honours or a Joint Honours/Major or a Double Major will be awarded on the recommendation of the faculty in which the student is registered.

It may be possible for students to arrange to undertake an Interfaculty Minor in the Faculties of Humanities, Science and Social Sciences. Students must contact the Advising Centre for the Faculties of Humanities, Science and Social Sciences for further information, and are strongly urged to do so prior to registering in courses which they wish to count for credit on an Interfaculty Minor.

INTERDEPARTMENTAL DOUBLE HONOURS OR MAJOR

A student in one department in the Faculty of Fine Arts may concurrently satisfy the requirements of a program in a second department by completing the program requirements in the second area with the permission of both departments. Only one degree will be awarded. For example, a student majoring in History in Art may concurrently satisfy the requirements for the program in Visual Arts and thereby qualify for a BA with a Double Major in History in Art and Visual Arts. Conversely, a student majoring in Visual Arts may concurrently satisfy the requirements for the program in History in Art and thereby qualify for a BFA with a Double Major in Visual Arts and History in Art. Students

interested in taking a Double Honours or Major Program should consult the Fine Arts Advising Centre.

In any case where two different classes of degree result, each class will be tied to the respective discipline instead of the degree, and will be shown in the student's academic record.

MINORS

The Faculty of Fine Arts offers Minors in:

- Arts of Canada (offered jointly with the Faculty of Humanities; see page 220)
- European Studies (offered jointly with the Faculties of Humanities and Social Sciences; see page 221)
- Film Studies (offered jointly with the Faculty of Humanities; see page 220)
- Music (see page 111)
- Professional Writing (see page 116)

HUMANITIES, FINE ARTS AND PROFESSIONAL WRITING CO-OPERATIVE EDUCATION PROGRAM

Don Bailey, BA (UNB), MEd (UBC), Coordinator

The Humanities, Fine Arts and Professional Writing Co-operative Education Program is a year-round program which, through work terms of employment in a variety of organizations, enables students to combine work experience with an education in the Fine Arts and/or Humanities.

Applications and further information about the Humanities, Fine Arts and Professional Writing Co-operative Education Program are available from the Co-op Coordinator, Room D128, Clearihue.

Program Requirements

Any student registered in a BA, BFA, BSc, BMus, MA, MFA or PhD degree in the Faculty of Fine Arts or the Faculty of Humanities or registered in the Cultural Resource Management Program, the English Minor in Professional Writing, the Minor in Professional Writing in Journalism and Publishing or the Diploma Program in Intercultural Education and Training will be admitted to the Humanities, Fine Arts and Professional Writing Co-operative Education Program.

Prior to seeking their first co-op work term, students must:

1. be registered in a full course load (at least 6 units of course work per term)
2. have achieved at least a 5.0 GPA in a full course load in the previous term
3. complete satisfactorily the Work Term Preparation Seminars
4. submit an acceptable résumé and cover letter stating their co-op goals

To continue in the program, a student must:

1. be enrolled full time in a program leading to a BA, BFA, BSc, BMus, MA, MFA or PhD degree in a discipline offered in the Faculty of Humanities or the Faculty of Fine Arts or a Diploma in the Cultural Resource Management Program, the English Minor in Professional Writing, the Minor in Professional Writing in Journalism and Publishing or the Diploma Program in Intercultural Education and Training

2. maintain a GPA of at least 5.5 in the courses in the degree area
3. maintain a GPA of at least 5.0 overall

To receive the Co-op notation upon graduation, undergraduate students must perform satisfactorily in each of the required work terms.

The Humanities, Fine Arts and Professional Writing Co-op Program is designed to provide students with an academic background and certain skills appropriate to a wide range of careers. In particular, students will be required to select a program of studies intended to ensure they are:

- capable of using appropriate computer technology
- capable of conducting project-based research
- capable of clear and precise oral and written communication in English and, where appropriate, a second language
- aware of the cultural, historical, social, political or economic context pertaining to their course of study

General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 46. Students are advised that a Co-op Education Program fee is charged.

Diplomas and Certificates

The faculty offers the following diploma and certificate programs:

- Diploma in Fine Arts (see below)
- Diploma in Cultural Resource Management (see page 107)
- Certificate Program in Foundations in Indigenous Fine Arts (see below)
- Professional Specialization Certificate in Heritage Conservation Planning (see page 108)
- Professional Specialization Certificate in Collections Management (see page 108)

DIPLOMA IN FINE ARTS

The Fine Arts Diploma Program is designed for persons who wish to pursue a personal interest in the fine arts through part-time study. Its focus, structure, content, and flexibility are well suited to active people who may also be balancing jobs, families, and community responsibilities. While the diploma program may have some career benefits, its primary purpose affirms the traditional university value of learning for its own sake. Applicants must be admissible to the University of Victoria and have demonstrated interest in the fine arts.

The Program offers students the opportunity to take selected courses from the Departments of History in Art, Music, Theatre, Visual Arts, and Writing, based on themes of study that are selected and approved at the time of application. A total of 18.0 units, made up of the core course FA 225 Introduction to the Arts of Canada (3.0 units), and elective courses from the Faculty of Fine Arts that enable the student to pursue themes of particular interest, are required for the Diploma. Up to 3.0 units of credit may be taken outside the Faculty of Fine Arts with the approval of the Associate Dean. As this program

is primarily intended for students pursuing a personal rather than a professional interest in the arts, no studio or performance courses are included.

Students may apply to obtain up to 6.0 units of transfer credit to be used towards their Diploma for equivalent courses.

Credit obtained within the Fine Arts Diploma Program may be transferable to a regular undergraduate degree program. However, such transferability of credit is always subject to the specific requirements of the degree program.

The Fine Arts Diploma Program is offered by the Faculty of Fine Arts in cooperation with the Division of Continuing Studies. Admission is subject to the approval of the Associate Dean of Fine Arts. For further information about the Program, please contact Brenda Weatherston at Continuing Studies at 250-721-8504 or by email at <bweatherston@uvcs.uvic.ca>.

CERTIFICATE PROGRAM IN FOUNDATIONS IN INDIGENOUS FINE ARTS

In co-operation with the En'owkin International School of Writing and Visual Arts in Penticton, BC, the faculty offers a Certificate in Foundations in Indigenous Fine Arts. This Certificate is only available for students who complete course requirements at the En'owkin Centre. All courses meet the academic standards of the University of Victoria, but emphasize Indigenous peoples' perspectives and cultural content.

Students take a total of 13.5 units of courses, including 3 units of core courses and 10.5 units of electives in visual arts and/or writing. Course work completed at the En'owkin Centre will be identified by the letter E following the course number; e.g., CW 150E, ART 101E.

The Certificate Program is designed primarily for mature Indigenous students who wish to develop specialized skills in creative writing and/or visual arts in an Indigenous context. Students may complete the program on a part-time basis but must successfully complete at least 13.5 units of course work over a period of two to six years.

Admission Requirements

Students wishing to be admitted to the Certificate in Foundations in Indigenous Fine Arts should contact:

Director, En'owkin Centre
RR#2, Site 50, Comp. 8
Penticton BC V2A 6J7
Phone: 250-493-7181
Email: enowkin@vip.net
Web: www.enowkincentre.ca

Admissions to the Certificate Program are made through the En'owkin International School of Writing and Visual Arts. As part of the En'owkin admission process, students complete a University of Victoria application form which will be forwarded to the University of Victoria Undergraduate Admissions by the En'owkin School no later than September 30 for entry into the Winter Session. Transcripts will be required at this point only to identify course credits that satisfy the University of Victoria English Requirement. Please note that students will be admitted through the En'owkin School for the Certificate

Program only. Students who wish to continue their studies in any other University of Victoria courses or programs must apply to reregister through UVic Undergraduate Records and provide complete transcripts of all prior academic work. Credit obtained within the Certificate Program may be transferable to a regular UVic degree program. Transferability of credit is, however, subject to the specific requirements of the degree program. Students who wish to pursue a BA or BFA in Visual Arts or Writing at the University of Victoria must re-apply to UVic Undergraduate Admissions and fulfill all normal admission, program and course requirements. Students are strongly advised to consult the Chair of the appropriate department as early as possible.

University of Victoria English Requirement

All students wishing to complete the Certificate must satisfy the University of Victoria English Requirement (see page 29). The En'owkin Centre normally provides the English Placement Essay and required course work to satisfy this requirement.

Core Courses

Students must choose 3.0 units of core courses from the following:

ART 100E (1.5)	Studio Foundation
ART 150E (1.5)	Introduction to Contemporary Art Theory
CW 100E (3.0)	Introduction to Creative Writing

Elective Courses

Students may select either Creative Writing or Visual Arts courses to complete the required 13.5 units.

ART 100E (1.5)	Studio Foundation
ART 101E (1.5)	Drawing
ART 130E (1.5)	Printmaking
ART 150E (1.5)	Introduction to Contemporary Art Theory
ART 211E (1.5)	Painting
ART 221E (1.5)	Sculpture
CW 100E (3.0)	Introduction to Creative Writing
CW 150E (1.5)	Writing for Children from a First Nations' Perspective
CW 155E (1.5)	Critical Process and World View
CW 156E (1.5)	Critical Process, Symbolism and Oral Tradition
CW 160E (1.5)	First Nations' Non-Fiction
CW 212E (1.5)	Structure in Cinema and Television Drama

Note: Students wishing to apply to a degree program in Visual Arts at the University of Victoria must complete both ART 100E and ART 101E.

En'owkin Centre Courses

Descriptions for most En'owkin courses are in the Calendar under the departments that offer equivalent courses on campus. The following courses are offered only through the En'owkin Certificate Program: ART 100E, 101E, 130E, CW 150E, 155E, 156E, 160E, 212E.

Department of History in Art

Anthony S. Welch, BA (Swarth), MA, PhD (Harv), Professor

Kathlyn Liscomb, BA (Tufts), MA, PhD (Chicago), Professor

Allan Antliff, BA (Waterloo), MA (Delaware) PhD (Delaware), Canada Research Chair

Catherine D. Harding, BA (McG), PhD (London), Associate Professor, and Chair of the Department

Lianne M. McLarty, BA (Brock), MA (Car), PhD (S Fraser), Associate Professor and Director, Film Studies

Christopher A. Thomas, BA (York), MA (Tor), PhD (Yale), Associate Professor

Astri Wright, BA, MA, PhD (Cornell), Associate Professor

Victoria Wyatt, BA (Kenyon Coll), MA, MPhil, PhD (Yale), Associate Professor

Carolyn Butler-Palmer BA (Carleton), Dipl. Art History (UBC), MS (Utah), MA, PhD (Pittsburgh), Williams Legacy Chair

Erin Campbell, BA, MA, PhD (Toronto), Assistant Professor

Marcus Milwright MA (Edinburgh), DPhil (Oxford), Assistant Professor

Visiting, Adjunct and Cross-listed Appointments

Martin J. Segger, BA, DipEd (UVic), MPhil (Warburg, Lond), FRSA, Adjunct Professor (1995-2010)

Erica Dodd, BA (Wellesley), PhD (Courtauld), Adjunct Associate Professor (1997-2012)

Alistair Kerr, BA, MA (UVic), Adjunct Associate Professor (2009-2012)

Martha Black, BA (Toronto), MA (York), PhD (UVic), Adjunct Assistant Professor (2001-2011)

Joy Davis, BA (UVic), MA (Toronto), Adjunct Assistant Professor (2001-2012)

Ariane Isler de Jongh, BA, PhD (Montreal), Adjunct Assistant Professor (1995-2014)

Gillian Mackie, BA, MA (Oxford), BA, MA, PhD (UVic), Adjunct Assistant Professor (1995-2012)

Judith Patt, BA, BArch (Stan), MA, PhD (Calif, Berk), Adjunct Assistant Professor (1995-2011)

Eva Bampoula, BA (Athens), MA, PhD, (Oxford), Limited Term Assistant Professor (2006-2010)

HISTORY IN ART PROGRAMS

For Humanities, Fine Arts and Professional Writing Co-operative Education information, please see page 105. For Cultural Resource Management Co-op Option information, please see page 108.

Major Program

In addition to the general University requirements for graduation, page 39, students taking a Major in History in Art must satisfy the following requirements:

1. Successful completion of 21 units of History in Art courses, of which at least 3 units must be at the 200 level and at least 15 units must be at the 300- or 400-level.

2. The 15 upper-level units must include 3 units in each of the following three areas of study:
 - Classical, European before the modern period
 - Islamic, Asian
 - Art of the Americas, modern art and architecture.

These 15 upper-level units must also include at least 1.5 units of a 400-level seminar. The seminar requirement may be satisfied by HA 492. The seminar is usually to be taken in the fourth year. The seminar may be taken in third year only when approved by the Fine Arts Adviser and the Chair.

Students wishing to declare a Major in History in Art should contact the adviser at the Fine Arts Advising Centre at the end of their second year. Students interested in the History in Art program are welcome to consult with this adviser before they declare their Major.

Honours Program

Admission

The Honours Program provides the possibility for more intensive study in the field of History in Art, and is intended for those who wish to continue on to graduate studies in History in Art or related professional disciplines.

Students may apply to enter the Honours Program after completion of a minimum of 9 units of course work in History in Art with a GPA in these courses of 6.0 (B+) or better. Normally this is done at the end of the second year.

Program Requirements

Graduation with a BA Honours in History in Art requires:

1. a minimum of 30 units of credit in the department, of which at least 3 units must be at the 200 level and at least 21 units must be at the 300 or 400 level (out of a total degree program of 60 units)
2. the 21 units at the 300 or 400 level must include:
 - a) 3 units in each of the following four areas of study:
 - Classical, European before the modern period
 - Islamic, Asian
 - Art of the Americas, modern art and architecture
 - non-Western art
 - b) 7.5 units of History in Art electives
 - c) HA 499 (1.5 units)

These 21 upper-level units must also include at least 1.5 units of a 400-level seminar other than HA 499. The seminar may be satisfied by HA 492. The seminar is usually to be taken in the fourth year. The seminar may be taken in third year only when approved by the Fine Arts Adviser and the Chair.

Honours Language Requirement

Before graduation, each student will be required to demonstrate a reading knowledge of a language other than English, appropriate to the area of special interest. This requirement will be satisfied by completion of 3 units of 200-level language or literature courses (excluding those taught in English using translations). Also acceptable are PAAS 111 and 131, GER 390, or 3 units of

FRAN 160 and above (excluding FREN 160, 161, or 165). A grade point average of at least 4.0 (B-) is necessary. In special circumstances, students may request permission to take a translation examination administered by the department.

Standing at Graduation

Third-year students whose performance in the Honours Program falls below a GPA of 3.5 will be required to transfer to the Major Program at the beginning of their fourth year. Fourth-year students whose graduating average, or whose average in courses taken in the department at the 300 and 400 level, is below 3.5, but who otherwise meet the University requirements for graduation, will receive a BA with a Major in History in Art.

Cultural Resource Management Program Description

The Cultural Resource Management Program offers a postgraduate Diploma in Cultural Resource Management and Professional Specialization Certificates in Heritage Conservation Planning and Collections Management. The program serves those who are currently involved professionally in museums, art galleries, historic sites, building conservation and related cultural stewardship activities.

Diploma in Cultural Resource Management

The curriculum of the Diploma Program in Cultural Resource Management features two areas of specialization in cultural management: Museum Studies and Heritage Conservation. However, a candidate may register for courses in all areas in order to obtain credit towards the diploma.

To be considered for admission to this diploma program, applicants must have completed a bachelor's degree. Applicants who do not hold a bachelor's degree may in exceptional circumstances be admitted based on an equivalent combination of post-secondary academic education and demonstrable relevant professional experience.

The diploma program may be completed in a minimum of one calendar year. The normal period of completion is two to three years of part-time study.

The program requires completion of 18.0 units through the following courses:

1. Core courses: 4.5 units selected from HA 486 (3.0); HA 486A (1.5); HA 486B (1.5), HA 487 (3.0), HA 487A (1.5) and/or HA 487B (1.5). Note that students with credit in HA 486 cannot earn credit in HA 486A or HA 486B; those with credit in HA 487 cannot earn credit in HA 487A or HA 487B.
2. Elective courses: 10.5 units selected from HA 488 A-U (1.5), HA 489 A-L (1.5), HA 486A (1.5), HA 486B (1.5), HA 487A (1.5) HA 487B.
3. Directed Studies or Internship in Cultural Resource Management: HA 491A (3.0) or HA 491B (3.0)

Applicants who have previously received credit in a degree program for any of these core courses will be allowed to substitute up to 6.0 units of courses with the approval of the Academic Adviser.

Students may apply to obtain up to 6.0 units of transfer credit for equivalent courses.

Diploma students who fail to maintain a GPA of at least 5.0 may be asked to withdraw from the program.

Students enrolled in the Diploma in Cultural Resource Management may not normally apply credit for any course towards a degree program (e.g., BA, BFA, MA). Other students may register in individual courses in the diploma program as enrolment allows.

Cultural Resource Management Co-op Option

Diploma candidates who complete one or more work terms through the Co-operative Education Program will receive Co-op notation on graduation.

Students who participate in the Co-operative Education Option are normally required to complete one work term after the completion of core courses and a minimum of three special topic courses. They are required to complete HA 491A Directed Studies in Cultural Resource Management (3.0) instead of HA 491 Internship in Cultural Resource Management (3.0).

Co-operative education students within the Diploma Program in Cultural Resource Management will normally be required to complete all their program requirements within a 24-month period in order to maintain the full-time status required for participation in the Co-operative Education Program. General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 46. For further information on the Co-operative Education Option and to apply for the Co-op program, visit the Co-op website at: <coop.uvic.ca>.

Professional Specialization Certificate in Heritage Conservation Planning

This four-course (6.0 unit) Professional Specialization Certificate provides heritage specialists and other professionals with skills and knowledge to support conservation planning and decision making. To be considered for this certificate program, applicants must have completed a University of Victoria bachelor's degree or its equivalent and have a minimum of two years' work experience in the heritage sector. The program requires the completion of the following:

- Core courses: HA 489C, 489K, 489L
- An elective course selected from HA 489A, 489D, 489E, 489F, 489G, 489H, 489J

Students who complete a Professional Specialization Certificate in Conservation Planning are able to transfer four courses (6.0 units) upon admission to the Diploma in Cultural Resource Management.

Professional Specialization Certificate in Collections Management

This four-course (6.0 unit) Professional Specialization Certificate provides museum, heritage site and art gallery specialists with the knowledge and skills required to manage and care for collections of objects, specimens and other tangible and intangible heritage resources. To be considered for this certificate program, applicants must have completed a University of Victoria bachelor's degree or its equivalent and have a minimum of two years' work experience in the museum or heritage sector. The program requires the completion of the following:

- Core courses: HA 488B, 488D, 488J
- An elective course selected from the HA 488 A-S series in consultation with the Academic Adviser

Students who complete a Professional Specialization Certificate in Collections Management are able to transfer four courses (6.0 units) upon admission to the Diploma in Cultural Resource Management.

Inquiries

Please direct inquiries regarding the Diploma in Cultural Resource Management and the Professional Specialization Certificates in Conservation Planning, Collections Management and cultural Sector Leadership to:

Cultural Resource Management Program
Division of Continuing Studies
University of Victoria
Phone: 250-721-8457
Fax: 250-721-8774
Email: crmp@uvcs.uvic.ca
Website: <www.continuingstudies.uvic.ca/crmp>

MALTWOOD ART MUSEUM AND GALLERY

An important resource for the Department of History in Art is the Maltwood Art Museum and Gallery located at the University of Victoria. The Museum administers the Maltwood Collection (an international collection of decorative arts including special emphasis on the Arts and Crafts movement from William Morris to the 1920s) and the University Collection (an extensive collection of western Canadian contemporary art in all media).

The specialized museological library, study gallery and varied exhibition programs give students a chance to work directly with materials and gain first-hand experience in the operations of a university museum.

School of Music

Gerald King, BM (Brit Col), MM (W Wash), EdD (BYU), Professor and Director of the School (conducting, Wind Symphony)

John A. Celona, BM, MA (San Fran St), PhD (Calif, San Diego), Professor (composition)

Patricia Kostek, BSc (Mansfield St Coll), MM (Mich St), Professor (clarinet, chamber music)

Harald M. Krebs, BM (Brit Col), MPhil, PhD (Yale), Professor (theory)

Louis D. Ranger, BM (Juilliard), Professor (trumpet, chamber music)

Arthur Rowe, BM (W Ont), MM (Indiana), Professor (piano)

W. Andrew Schloss, BA (Bennington Coll), PhD (Stanford), Professor (electronic and computer music, musical acoustics, ethnomusicology)

Bruce Vogt, ARCT (Tor), BM (W Ont), MM (Tor), Professor (piano)

Dániel Péter Biró, MFA (Würzburg), MFA (Frankfurt), PhD (Princeton), Associate Professor (composition, theory)

Christopher Butterfield, BM (UVic), MA (SUNY, Stony Brook), Associate Professor (composition, theory)

Michelle Fillion, BA (Montreal), BM (McGill), MA, PhD (Cornell), Associate Professor (music history, musicology, theory)

Kurt Kellan, Associate Professor (horn, chamber music)

Susan Lewis Hammond, BA, BM (Queen's), MM (Arizona), MFA, PhD (Princeton), Associate Professor (music history, musicology)

Alexandra Pohran Dawkins, BM (Tor), Associate Professor (oboe, chamber music)

Lanny R. Pollet, BM (Eastman), MM (UVic), Associate Professor (flute, chamber music, orchestration)

Benjamin Butterfield, Assistant Professor (voice, lyric diction, vocal pedagogy)

Jonathan Goldman, BA (McGill), MA, PhD (Montreal), Assistant Professor (music history, musicology, theory)

Eugene Dowling, BM (Mich St), MM (Northwestern), Senior Instructor (tuba, euphonium, trombone, aural skills)

Susan Young, BA (BYU), MM (Calg), Senior Instructor (voice, University Chorus)

Kirk McNally, BM, MSc (McGill), Senior Scientific Assistant (Recording Technician, computer music)

Jill Michalski, Administrative Officer

Artists-in-Residence

Lafayette String Quartet:

Ann Elliott-Goldschmid, BM (Boston) (violin, chamber music)

Pamela R. Highbaugh Aloni, BM (Calif St), MM (Indiana) (cello, chamber music)

Joanna E. Hood, BM (San Fran Cons Mus), MM (Indiana) (viola, chamber music)

Sharon M. Stanis, BM, MM (Indiana) (violin, chamber music)

Music Performance Instructors and Part-time Lecturers 2009-2010

Yariv Aloni, (chamber music, conducting)

Anne Bennett, BA (Brit Col), MM (UVic) (singing for the stage)

Anita Bonkowski, BM, MM (UVic) (theory, jazz history, Jazz Ensemble)

Wendell Clanton, BM (UVic), MM (Northwestern) (saxophone, Vocal Jazz)

David Clemenman, ARCT (Organ perf), ARCT (aural skills, theory)

Tzenka Dianova, BA, MA (Bulgaria), MM (UVic), DMA (Auckland) (piano)

Alexander Dunn, BM, MM (San Fran Cons), PhD (Calif, San Diego) (guitar, theory)

Colleen Eccleston, BFA (UVic) (music appreciation, popular music)

Karen Enns, BA (Brock), MM (Western Ont) (piano)

Jenny Gunter, BM (Eastman), MM (Rice) (bassoon)

Charlotte Hale (accompanying)

Jordan Hanson, BSc (Dalhousie) (world music)

Shoko Inoue, BM (Thompson River), MM (Montréal) (piano)

Michael Keddy, BM, BEd (Western Ont), MM (Manitoba) (conducting)

May Ling Kwok, BM (UVic), MM (Indiana) (piano)

William Linwood, BM (Indiana) (percussion)
 Scott MacInnes, BM (Tor) (trombone)
 Ian McDougall, BM, MM (Brit Col) (trombone)
 Michelle Mares, BM (Salzburg) (piano)
 Christi Meyers, BM (McGill), MM (W Ont) (violin)
 Elissa Poole, BA (Penn State), MA, PhD (UVic)
 (music appreciation)
 Mary Rannie, BA (W Ont) (double bass)
 Christopher Reiche, BM (Wilfrid Laurier) (theory)
 Eva Solar-Kinderman, Perf Dipl (Vienna) (piano)
 Jamie Syer, BM (Calg), MM, MMA, DMA (Yale)
 (piano)

Visiting, Limited Term, Adjunct and Cross-listed Appointments

Peter Driessen, BSc, PhD, (Brit Col), PEng, Cross-listed Associate Professor (recording techniques) (2009-2010)
 János Sándor, Dipl (F Liszt Academy, Budapest), Limited Term Associate Professor (University Orchestra, conducting) (2009-2010)
 George Tzanetakis, BSE (U of Crete), MA, PhD (Princeton), Cross-listed Assistant Professor (2009-2010)

MUSIC PROGRAMS

For Humanities, Fine Arts and Professional Writing Co-operative Education information, please see page 105. For Music and Computer Science Co-op Option information, please see page 111.

For students who wish to prepare themselves for careers or graduate study in music, the School of Music offers Majors in Composition and Theory, Music Education, Music History and Literature, Comprehensive Program and Performance leading to the degree of Bachelor of Music, and a combined Major in Music and Computer Science leading to the degree of Bachelor of Fine Arts or Bachelor of Science. The School also offers a Minor in Music.

ADMISSION REQUIREMENTS

Enrolment in the Bachelor of Music program is limited at the present time to approximately 200 students.

Applicants from Secondary School

Applicants must apply to Undergraduate Admissions for acceptance to the University and in addition must make separate application for acceptance to the School of Music. The School requires that all prospective students demonstrate ability in an accepted performance area (instrument or voice). For this purpose a personal audition is recommended; if an in-person audition is not possible, a high-quality recording may be submitted instead. All applicants must submit two letters of recommendation from qualified musicians. Auditions are held each year beginning in March. Students are urged to apply as early as possible; places cannot be guaranteed for qualified applicants once positions are filled. Current high school students should apply by February 28 for early admission. See <registrar.uvic.ca/undergrad>.

Audition appointments and further information may be obtained from:

School of Music
 University of Victoria

PO Box 1700 STN CSC
 Victoria BC V8W 2Y2
 Phone: 250-721-7904
 Fax: 250-721-6597
 Email: michalsk@uvic.ca
 Web: <www.finearts.uvic.ca/music>

Transfers from Other Institutions

Students transferring from other institutions follow the application procedure described in the preceding paragraph. Applicants from BC colleges may consult the *BC Transfer Guide* (online at <www.bctransferguide.ca>) for information on the transferability of specific courses to UVic. Credit earned outside BC will be evaluated on a course-by-course basis when the student is admitted. This credit and School admission procedures will determine into which year of studies the student will be accepted. No students are admitted into the final (fourth) year. For information on undergraduate admissions procedures and deadlines, see page 23 or <registrar.uvic.ca/undergrad>.

PROGRAM REQUIREMENTS

Requirements Common to All BMus Degrees

All BMus students, regardless of their eventual choice of Major, are required to take a common first-year program.

Year 1	
MUS 101A.....	1.5
MUS 101B.....	1.5
MUS 120A.....	1.5
MUS 120B.....	1.5
MUS 140	2.0
MUS 170A.....	0.5
MUS 170B.....	0.5
MUS 180 ¹	1.0
MUS 181 ²	1.0
English 100 level ³	1.5
Non-music electives ^{4,5}	3.0
Total:	15.5⁶

1. First-year students are required to sing in the University Chorus or University Chamber Singers in addition to any instrumental ensembles to which they may be assigned.

2. Not required for students whose principal instrument is voice.

3. Students intending to major in Music Education should take an additional 1.5 units of English. Students entering a Music Education Major require a minimum average of B- in 3.0 units of English selected from ENGL 115 or 135 and 146 or 147. Only one of 115 or 135 will be acceptable.

4. Students wishing to major in Music Education must register in ME 101. Music Education courses may function as music electives or non-music electives in all BMus programs.

5. Students enrolled in MUS 140 as pianists are required to take MUS 172 in their first year in addition to the above courses. These students will take only 1.5 units of non-music electives in the first year. In year 2, 3, or 4, 1.5 units of music electives will be replaced by a non-music elective.

6. In addition to the courses listed above, students intending to major in Composition must enrol in

MUS 105 and may also be advised to take MUS 207 in their first year.

All BMus students are required to demonstrate proficiency at the keyboard, to be evidenced by Conservatory documentation or evaluation by examiner. The level required is similar to the Royal Conservatory grade level 5 or 6. Those who are inexperienced at the keyboard may prepare for the exam by taking instruction. This may take the form of private lessons or piano classes. A complete description of the keyboard proficiency requirement is available from the School of Music.

At the end of the common first year, each student will declare a choice of Major and will be assigned a faculty adviser who will assist in selecting appropriate elective courses, ensure that program requirements are satisfied and oversee year-to-year progress by means of consultation with their instrumental instructors (aided by auditions in certain sections). All students are assigned to ensembles according to each student's educational needs and the needs of the School.

Major Program Requirements

Acceptance into the Major Program of the student's choice and continuance in that Major must be approved by the appropriate division of the School. A student whose progress is judged to be unsatisfactory may be refused permission to continue in the chosen original Major. A student who fails to achieve a grade of C+ or better in individual tuition (MUS 140-440) or Seminar in Performance (MUS 245-445) will have his or her status re-evaluated by a committee consisting of the student's teacher, the student's adviser, the head of the performance section, and the Director of the School. In some cases the committee may determine that the student should be required to withdraw from the BMus program.

Students who intend to declare Music Education as their Major must be formally interviewed at the end of the first year. Those who are admitted and complete this program will automatically be admissible to the Post-Degree Professional Program in their assigned year. Due to quotas, students who do not enter professional year in the assigned year will have to compete for available spaces. In addition, the cases of students who do not maintain a 5.0 GPA in upper-level Music and Music Education courses, as well as a 4.0 GPA overall, will be reviewed. Such students will be given a trial period to reach the specified GPA, and if unsuccessful will be required to withdraw from the program.

Exceptions to the following program requirements can be made only in special cases and with the written approval of the Director. Courses are to be taken in the sequence shown in the separate programs.

Major in Composition and Theory

Year 2	
MUS 201A and 201B	3.0
MUS 205	3.0
MUS 220A and 220B	3.0
MUS 240	2.0
MUS 270A and 270B	1.0
Ensembles ¹	1.0 or 2.0
MUS 350A and 350B	3.0
Total:	16.0 or 17.0

Year 3	
MUS 301A and 301B	3.0
MUS 305	3.0
MUS 306	1.5
MUS 307	1.5
MUS 340	2.0
Ensembles ¹	1.0 or 2.0
Non-music electives	4.5
Total:	16.5 or 17.5

Year 4	
Two of MUS 401A, 401B, 401C, 401D	3.0
MUS 405	3.0
MUS 440	2.0
Ensembles ¹	1.0
Music elective	1.5
Non-music electives	4.5
Total:	15.0

1. Ensemble requirements in Composition and Theory program:

a) *Orchestral Instruments, Keyboard Instruments and Guitar*

Year 2: MUS 280 and 281

Year 3: MUS 380 and 381

Year 4: MUS 480 or 481, as determined by the needs of the School

b) *Voice*

Year 2: MUS 280

Year 3: MUS 380

Year 4: MUS 480

Major in History and Literature

Year 2	
MUS 201A and 201B	3.0
MUS 220A and 220B	3.0
MUS 240	2.0
MUS 270A and 270B	1.0
Ensembles ¹	1.0 or 2.0
Music elective	1.5
Non-music electives	3.0
Total:	14.5 or 15.5

Year 3	
Music history elective	3.0
MUS 301A and 301B	3.0
MUS 340	2.0
Ensembles ¹	1.0 or 2.0
Music electives	3.0
Non-music electives	3.0
Total:	15.0 or 16.0

Year 4	
Music history elective	3.0
One of: MUS 401A, 401B, 401C, 401D	1.5
MUS 440	2.0
Ensembles ¹	1.0 or 2.0
MUS 499	3.0
Non-music electives	4.5
Total:	15.0 or 16.0

1. Ensemble requirements in History and Literature program:

a) *Orchestral Instruments, Keyboard Instruments and Guitar*

Year 2: MUS 280 and 281

Year 3: MUS 380 and 381

Year 4: MUS 480 and 481

b) *Voice*

Year 2: MUS 280

Year 3: MUS 380

Year 4: MUS 480

Major in Comprehensive Program

Year 2	
MUS 201A and 201B	3.0
MUS 220A and 220B	3.0
MUS 240	2.0
MUS 270A and 270B	1.0
Ensembles ¹	1.0 or 2.0
Music electives ²	3.0
Non-music elective	1.5
Total:	14.5 or 15.5

Year 3	
MUS 301A and 301B	3.0
MUS 340	2.0
Ensembles ¹	1.0 or 2.0
Music electives ²	6.0
Non-music electives	3.0
Total:	15.0 or 16.0

Year 4	
One of: MUS 401A, 401B, 401C, 401D	1.5
MUS 440	2.0
Ensembles ¹	1.0 or 2.0
Music electives ²	4.5
Non-music electives	4.5
Non-music elective or music elective	1.5
Total:	15.0 or 16.0

1. Ensemble requirements in Comprehensive program:

a) *Orchestral Instruments, Keyboard Instruments and Guitar*

Year 2: MUS 280 and 281

Year 3: MUS 380 and 381

Year 4: MUS 480 and 481

b) *Voice*

Year 2: MUS 280

Year 3: MUS 380

Year 4: MUS 480

2. Music electives must include at least 1.5 units of Music History at the 300 or 400 level.

Major in Performance

Year 2	
MUS 201A and 201B	3.0
MUS 220A and 220B	3.0
MUS 245	4.0
MUS 270A and 270B	1.0
Ensembles ²	1.0 or 2.0
Music or non-music electives	1.5
Non-music elective	1.5
Total:	15.0 or 16.0

Year 3	
MUS 301A and 301B	3.0
MUS 345	6.0
Ensembles ²	1.0 or 2.0
Music history elective	1.5
Music elective	1.5
Non-music electives	3.0
Total:	16.0 or 17.0

Year 4	
One of: MUS 401A, 401B, 401C, 401D	1.5
MUS 445	6.0
MUS 448	1.0
Ensembles ²	0.0 or 1.0 or 2.0
Non-music electives	4.5
Total:	13.0 or 14.0 or 15.0

1. Piano majors are required to take MUS 328A and 328B. They are advised to take MUS 360 and 361.

2. Ensemble Requirements in Performance program:

a) *Orchestral Instruments*

Year 2: MUS 280 (Orchestra or Wind Symphony) and 281

Year 3: MUS 380 (Orchestra or Wind Symphony) and 381

Year 4: MUS 480 (Orchestra or Wind Symphony) and 481

b) *Keyboard Instruments and Guitar*

Year 2: MUS 280 and 281

Year 3: MUS 380 and 381

Year 4: MUS 481

c) *Voice*

Year 2: MUS 280

Year 3: MUS 380

Year 4: none

Major in Music Education Secondary (Instrumental)

Year 2	
MUS 201A and 201B	3.0
MUS 220A and 220B	3.0
MUS 240	2.0
MUS 270A and 270B	1.0
One of: MUS 236, 330, 331, 332, 333	1.5
MUS 280	1.0
ME 201	1.5
ME 207	1.5
ME 209A	1.5
ME 209B	1.5
Total:	17.5

Year 3	
MUS 301A and 301B	3.0
MUS 340	2.0
MUS 356A and 356B	3.0
One of: MUS 236, 330, 331, 332, 333	1.5
Ensembles ¹	1.0 or 2.0
ED-D 401	1.5
ME 307	1.5
ME 309A	1.0
ME 309B	1.0
Total:	15.5 or 16.5

Year 4	
One of: MUS 401A, 401B, 401C, 401D	1.5
MUS 440	2.0
One of: MUS 236, 330, 331, 332, 333	1.5
Ensembles ¹	1.0 or 2.0
ED-D 406	1.5
ME 407	1.5
ME 409	1.5
Music or non-music electives	3.0
Total:	13.5 or 14.5

Major in Music Education Secondary (Choral)

Year 2	
MUS 201A and 201B	3.0
MUS 220A and 220B	3.0
MUS 240	2.0
MUS 270A and 270B	1.0
MUS 280	1.0
ME 201	1.5
ME 207	1.5
ME 209A	1.5
ME 209B	1.5
Second teaching area	1.5
Total:	17.5

Year 3	
MUS 301A and 301B	3.0
MUS 340	2.0
MUS 356A and 356B	3.0
Ensembles ¹	1.0 or 2.0
ED-D 406	1.5
ME 307	1.5
ME 309A	1.0
ME 309B	1.0
Total:	14.0 or 15.0

Year 4	
One of MUS 401A, 401B, 401C, 401D	1.5
MUS 440	2.0
Ensembles ¹	1.0 or 2.0
ED-D 401	1.5
ME 407	1.5
ME 409	1.5
Second teaching area	6.0
Total:	15.0 or 16.0

1. Ensemble requirements in Music Education Secondary program:

- a) *Orchestral Instruments, Keyboard Instruments and Guitar*
 - Year 3: MUS 281 and 380
 - Year 4: MUS 381 and 480
- b) *Voice*
 - Year 3: MUS 380
 - Year 4: MUS 480

Combined Major Program in Music and Computer Science

The School of Music and the Department of Computer Science have designed a combined program leading to either a Bachelor of Fine Arts or a Bachelor of Science degree.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program. The application date for the first year of this program is March 31 for early admission and May 15 for entry in September. When all first year requirements have been met, the application date for September entry to the second year of this program is May 1 and the document deadline is July 1.

Enrolment in this program is limited. Since students wishing to complete a combined degree program in Music and Computer Science are admitted at the end of first year into this program in the Faculty of Fine Arts, applicants will normally register in first year in one of the following faculties/programs for which they meet the

admission requirements: Humanities, Science, Social Sciences, Engineering or Fine Arts.

Year 1	
MUS 101A, 101B	3.0
MUS 115	3.0
MUS 170A, 170B	1.0
MUS 207	1.5
MATH 100, 101, 122	4.5
CSC 110, 115	3.0
Total	16.0

Year 2	
MUS 105	2.0
MUS 180 or 181 or 270A and 270B ⁶	1.0
MUS 201A, 201B	3.0
CSC 225, 230	3.0
MATH 211	1.5
SENG 265	1.5
ELEC 255 or 260	1.5
Electives ¹	1.5
Total	15.0

Year 3	
MUS 301A, 301B, 306, 307	6.0
ELEC 310	1.5
Four of: CSC 330, 355, 360, 361, 370, SENG 310, 330, ELEC 407 ²	6.0
Elective	1.5
Total	15.0

Year 4	
Five of MUS 401C, 406A, 406B, 407, CSC 475, 497, ELEC 459, 484, 486 ^{2,3,5}	7.5
One MUS at the 300/400 level	1.5
Two CSC at the 400 level ⁴	3.0
Electives ⁷	3.0
Total	15.0

1. Students who are not exempt from the Undergraduate English requirement, page 29 should choose 1.5 units of first-year English.
2. ELEC 407 and 484 are only offered in the summer term.
3. ELEC 459 requires ELEC 407 as prerequisite.
4. One of these courses may be SENG at the 400 level.
5. At least 4.5 units must be MUS courses.
6. MUS 180 or 181 must be completed before the end of Year 3. MUS 270A/B must be taken concurrently with MUS 201A/B.
7. May include 300- or 400-level music courses, with permission of the instructor.

Music and Computer Science Co-op Option

Students in the Combined Major Program in Music and Computer Science may, if eligible, enrol in and undertake work terms in both Co-op programs or may, if eligible, enrol in and undertake work terms in only one Co-op program. Students who complete at least two work terms in each area will have the combined nature of their program noted as part of the Co-op designation on their official records.

General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 46. For Humanities, Fine Arts and Professional Writing Co-operative Education information, please see page 105.

Minor in Music

The Minor Program consists of 20 units in Music, and will normally include:

MUS 101A	1.5
MUS 101B	1.5
MUS 120A	1.5
MUS 120B	1.5
MUS 170A	0.5
MUS 170B	0.5
MUS 180 (by audition)	1.0
MUS 220A	1.5
MUS 220B	1.5
300/400 MUS electives	9.0

Substitutions to the above can be made only with the approval of the School. Students must declare the Minor through the Advising Centres of their own faculties.

Computer Music Option

A Computer Music Option is offered by the Department of Electrical and Computer Engineering (see page 93).

Department of Theatre

Warwick Dobson, BEd (Newcastle-upon-Tyne), MA (Lancaster), MA (Ed), PhD (Sussex), Associate Professor, Chair

Sarah Blackstone, BA Honors (Wyoming), MA (Kansas State), PhD (Northwestern), Professor, Dean

Brian Richmond, MA (Tor), Professor

Allan Stichbury, BFA (Alta), Professor

Mary Kerr, BFA (Man), Associate Professor

Jennifer Wise, BA, MA, PhD (Tor), Associate Professor

Conrad Alexandrowicz, BA (York), MFA (Alta), Assistant Professor

Linda Hardy, BA (Brock), MA (Tor), Assistant Professor

Allana Lindgren, BA (Vic), MA (York), PhD (Tor), Assistant Professor

Anthony Vickery, BA (Vic), MA (Tor), PhD (Vic), Assistant Professor

Jan Wood, BFA (Alta), Assistant Professor

Peter McGuire, MFA (Vic), Senior Instructor

N. Bindon Kinghorn, Senior Academic Assistant and Part-time Lecturer

Gysbertus A. Timmermans, BFA, MFA (Vic), Senior Academic Assistant and Part-time Lecturer

Bryn Finer, National Theatre School of Canada, Senior Academic Assistant

Sandra Guerreiro, BFA (Vic), Senior Academic Assistant

Adrienne Holierhoek, BA Honours (Western Ontario), Cert. PR (UVic), Senior Academic Assistant

Tim O'Gorman, Dip of Arts (Camosun), Senior Academic Assistant

Charles A. Procure, BA (Dal), Senior Academic Assistant

Karla D. Stout, BA (McG), LLB (York), Senior Academic Assistant

THEATRE PROGRAMS

For Humanities, Fine Arts and Professional Writing Co-operative Education information, please see page 105.

The Bachelor of Fine Arts in Theatre is an extensive program intended for students who wish to prepare for a career in professional, educational or community theatre or who wish to continue their studies in graduate or professional schools. The philosophy of the Theatre department is that the theatre should be studied in all its aspects and that it is best approached through a curriculum that leads to performance.

Through all courses and productions, students are encouraged to focus on fundamental creative, interpretive, performative and technical skills as they study the historical, contemporary and educational theories and practices of the theatre arts.

The department offers undergraduate students a choice between an Honours Program in Theatre History and a Theatre Major Program. In the latter program, students may select either a Specialist or a Comprehensive Option. A Co-op program is also available.

Students will be required to take part in rehearsals and performances. No student may register in an evening course without the permission of the department.

Theatre Major Program

Theatre students must select one of two program options:

- Comprehensive Option, or
- Specialist Option in Acting, Applied Theatre, Design, Directing, Production and Management, Theatre History, or Theatre/Writing.

Acceptance and continuance in a Major Program is subject to approval by the department.

Comprehensive Option

Students who wish to combine their Theatre studies with a wide range of other liberal arts disciplines should select the Comprehensive Option. A minimum of 30 units in Theatre core courses are required for Comprehensive Option students to graduate with a BFA in Theatre.

Specialist Options

Students wishing to emphasize a particular aspect of Theatre should choose one of the seven Specialist Options below:

- Acting
- Applied Theatre
- Design
- Directing
- Production and Management
- Theatre History
- Theatre/Writing

Normally, students must have a cumulative GPA of 5.0 (B) and a GPA of 6.0 (B+) in Theatre Courses to be admitted and advanced in any Specialist Option.

Students are strongly advised to follow the prescribed course requirements for their year and chosen Specialist Option. Failure to complete electives and register for all co-requisites in any given year may jeopardize students' ability to complete their Specialist Option within four years.

Specialist Option in Acting

Students may enter the Option in Acting at the beginning of second year. Enrolment is limited. Admission is by audition only. Students are advanced into third and fourth year subject to an annual review. Students in this Option are required to complete 4.5 units of performance credit in THEA 229, 329 and 429. Normally, eligibility for performance credits will commence as students enter the Acting Specialist Option in Second Year.

Specialist Option in Applied Theatre

Students may indicate their intention to enter the Option of Applied Theatre in first year. The Applied Theatre program allies the art of the theatre with effective pedagogy to build upon the growing recognition of theatre as an educative methodology in matters of social, political, economic and therapeutic concerns. The program provides the theoretical and experiential foundations that will serve those who wish to examine the use of theatre forms as they apply to teaching and/or non-theatrical settings, such as cultural, recreation and community centres, historic and environmental sites, museums, prisons, hospitals, social service and health agencies. Students considering careers in elementary, middle or secondary schools are urged to consult with the Faculty of Education Advising Centre early to plan their undergraduate programs.

Specialist Option in Design

Students may enter the Option in Design at the beginning of the third year.

Specialist Option in Directing

The Option in Directing is a preparatory program only. The foundation of its philosophy is that emerging directors must first secure a strong liberal arts education, as well as experience in all aspects of theatre production, before moving on to an in-depth study of directing. Students seeking entry into this option should secure the advice of the department on all required and elective courses before the end of their first year of study.

Specialist Option in Production and Management

Students may enter the Option in Production and Management at the beginning of the third year. Enrolment is limited; selection is by interview. Permission of the department is required.

Specialist Option in Theatre History

Students may enter the Option in Theatre History at the beginning of the third year.

Specialist Option in Theatre/Writing

Theatre/Writing students must be accepted into both the Department of Theatre and the Department of Writing. Students must apply to the Department of Theatre by February 28. Students must also send a letter of intent to the Department of Writing by February 28. As well as cumulative GPA of 5.0 (B) and a GPA of 6.0 (B+) in Theatre courses, Theatre/Writing students must achieve a minimum of B (5.0) in Writing 100 to be considered for advancement into second-year workshops.

BA Honours in Theatre History

The Honours Program normally begins in a student's third year. Students may apply to enter the Honours Program after the completion of a minimum

of 6 units of course work in Theatre with a GPA in these courses of 6.0 (B+) or better.

A third-year Honours student whose GPA falls below 3.5 in that year, or below 5.0 in designated Theatre History courses, will normally be required to withdraw from the Honours Program.

A fourth-year student whose graduating GPA is lower than 3.5, but who otherwise meets the University's requirements for graduation, will receive a BFA in the Specialist Option in Theatre History if the BFA requirements have been met.

Work Outside the department

All Theatre students must consult the Chair before accepting any theatre, film, television or other media work outside the department.

PROGRAM ADMISSIONS

Applicants from Secondary School

Students must apply separately to the Department of Theatre and to Undergraduate Admissions for acceptance to the University. The deadline for applications to the Department of Theatre and to Undergraduate Admissions is February 28. There is a Questionnaire and Admissions Package to be submitted as part of the Theatre application. Details can be obtained on the website at <<http://finearts.uvic.ca/theatre/admission>>.

Transcripts in progress should be sent to Undergraduate Admissions as soon as possible. Final transcripts are due in Undergraduate Admissions by May 31. Details may be obtained from the Secretary of the Department of Theatre.

Deferred enrolment is not permitted. Any student who declines admission and wishes to enter the department at a later date must re-apply following the above-stated admission procedures.

Transfers from Other Universities and Colleges

Applicants transferring from other institutions should follow the admission procedure described in the preceding paragraph. Transfer students may be requested to attend an interview and/or audition (and therefore make a campus visit). These visits usually take place during a weekend in March or April.

Transfer credit from BC community colleges will be assigned according to the equivalencies set out on the BCCAT website at <www.bccat.bc.ca> for the year in which the courses were completed. Transfer credit for Theatre courses completed at other accredited institutions is determined by the department and Undergraduate Admissions. This credit and the department admission procedures will determine into which year of studies the student will be accepted.

Acceptance into the Department of Theatre by either of the above routes is subject to an annual review of the student's progress by the department Chair in consultation with the appropriate advisory committee.

PROGRAM REQUIREMENTS

Requirements Common to All Programs (Comprehensive and Specialist)

To graduate with a BFA in Theatre, students must complete 60 units of course work, of which at least 30 units must be in Theatre and no fewer than 15 of which must be outside electives. The one exception to this requirement is the Specialist Option in Acting. This option requires no fewer than 12 units of outside electives. At the 300 or 400 level, students must take at least 21 units, 15 of which must be in Theatre. All programs require a minimum of 4.5 senior level Theatre History courses.

Designated Theatre History courses are THEA 309A, 309B, 310, 311, 312, 314, 315, 316, 317, 318, 319, 328, 362, 363, 390, 391, 410, 411, 414.

Students planning to go into Education should check with the Faculty of Education Advising Services regarding requirements.

Required courses for all Department of Theatre programs are outlined further on.

Admission to Specific Courses

The number of students who are eligible for Theatre courses may exceed the places available. Students should understand that eligibility does not guarantee them admission into specific courses. To gain entry into courses, students must be prepared to meet departmental attendance regulations, must not be overenrolled and must pay any fees or fines that may affect university standing. Students must attend all classes including the first. If they do not attend the second class in a course with a limited enrolment, they may be deregistered.

Students Please Note: If you do not attend the second class in a course you must contact the instructor to get permission to remain in the class. If you do not get permission from the instructor, you may be removed from the course.

Requirements Specific to the Specialist Program

A student enrolled in one of the seven Specialist Options normally must complete at least 30 units of Theatre course work. Students must adhere to the course requirements for their Specialist Option, as listed below.

Specialist Option in Acting

First Year

THEA 105	3.0
THEA 111	1.5
THEA 112	1.5
THEA 120	3.0
Electives*	6.0
Total:	15.0

Second Year (Audition required)

THEA 205	3.0
THEA 210	1.5
THEA 211	1.5
THEA 221	1.5
THEA 222	1.5
THEA 223	1.5
THEA 225	1.5

THEA 229	0-1.5
Electives*	1.5-3.0
Total:	15.0

Third Year**

THEA 321	1.5
THEA 322	1.5
THEA 323	1.5
THEA 324	1.5
THEA 325	1.5
THEA 326	1.5
Theatre History 300+	1.5-3.0
THEA 329	1.5-3.0
Electives*	1.5-3.0
Total:	15.0

Fourth Year**

THEA 421	1.5
THEA 422	1.5
THEA 423	1.5
THEA 424	1.5
THEA 425	1.5
THEA 426	1.5
Theatre History 300+	1.5-3.0
THEA 429	1.5-3.0
Electives*	1.5-3.0
Total:	15.0

*3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.

**Admission dependent on successful completion of year-end review.

Specialist Option in Applied Theatre

Students considering careers in elementary, middle or secondary schools are urged to consult with the Faculty of Education Advising Centre early to plan their undergraduate program.

First Year

THEA 105	3.0
THEA 111	1.5
THEA 112	1.5
THEA 120	3.0
THEA 132	3.0
Electives*	3.0
Total:	15.0

Second Year

THEA 205	3.0
THEA 210	1.5
THEA 211	1.5
THEA 235	3.0
Electives*	6.0
Total:	15.0

Third Year

Theatre History 300+**	1.5-3.0
THEA 331	1.5
THEA 332	1.5
THEA 335	3.0
THEA 355	1.5
THEA 356	1.5
THEA 394 / EDCI 487***	0-1.5
Electives*	1.5-4.5
Total:	15.0

Fourth Year

Theatre History 300+**	1.5-3.0
THEA 394/EDCI 487***	0-1.5
THEA 435	3.0
Electives*	7.5-10.5
Total:	15.0

*3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.

**May be replaced with FA 315, FA 335 and/or FA 356 if offered.

***At least 1.5 units are required to complete the Applied Theatre Option. May be taken more than once.

Specialist Option in Design

First Year

THEA 105	3.0
THEA 111	1.5
THEA 112	1.5
THEA 120	3.0
Electives*	6.0
Total:	15.0

Second Year

THEA 205	3.0
THEA 210	1.5
THEA 211	1.5
THEA 251	1.5
THEA 252	1.5
THEA 261 and one of 361, 362, 363 or	
THEA 348 and 349	3.0
Electives*	3.0
Total:	15.0

Third Year

Theatre History 300+	1.5-3.0
THEA 351 and 352 or THEA 348 and 349 or	
THEA 261 and one of 361, 362, 363	3.0
THEA 331	1.5
THEA 332	1.5
Electives*	6.0-7.5
Total:	15.0

Fourth Year

Theatre History 300+	1.5-3.0
THEA 351 and 352 or THEA 348 and 349 or	
THEA 261 and one of 361, 362, 363 or two of	
THEA 361, 362, 363	3.0
Electives*	9.0-10.5
Total:	15.0

*3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.

Specialist Option in Directing

First Year

THEA 105	3.0
THEA 111	1.5
THEA 112	1.5
THEA 120	3.0
Electives*	6.0
Total:	15.0

Second Year	
THEA 205	3.0
THEA 210	1.5
THEA 211	1.5
THEA 218	1.5
THEA 219	1.5
Electives* (WRIT 203 is strongly recommended)	6.0
Total:	15.0

Third Year	
Theatre History 300+	1.5-3.0
THEA 331	1.5
THEA 332	1.5
THEA 355	1.5
THEA 356	1.5
Electives* (WRIT 311 is strongly recommended)	6.0-7.5
Total:	15.0

Fourth Year	
Theatre History 300+	1.5-3.0
THEA 431	1.5
THEA 432	1.5
THEA 499	3.0
Electives*	6.0-7.5
Total:	15.0

**3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.*

Specialist Option in Production and Management

First Year	
THEA 105	3.0
THEA 111	1.5
THEA 112	1.5
THEA 120	3.0
Electives*	6.0
Total:	15.0

Second Year	
THEA 205	3.0
THEA 210	1.5
THEA 211	1.5
THEA 251	1.5
THEA 252	1.5
THEA 299 or Theatre elective	3.0
Electives*	3.0
Total:	15.0

Third Year**	
THEA 305	3.0
Theatre History 300+	1.5-3.0
THEA 261 and 361, or 362 and 363, or 348 and 349, or 351 and 352	3.0
THEA 395	3.0
Electives*	3.0-4.5
Total:	15.0

Fourth Year	
THEA 405	3.0
Theatre History 300+	1.5-3.0
THEA 261 and 361, or 362 and 363, or 348 and 349, or 351 and 352	3.0

THEA 499	3.0
Electives*	3.0-4.5
Total:	15.0

**3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.*

***Interview and permission required.*

Specialist Option in Theatre History

First Year	
THEA 105	3.0
THEA 111	1.5
THEA 112	1.5
THEA 120	3.0
Electives*	6.0
Total:	15.0

Second Year	
THEA 205	3.0
THEA 210	1.5
THEA 211	1.5
Electives*	9.0
Total:	15.0

Third and Fourth Years	
Theatre History 300+	7.5
THEA 300+	4.5
THEA 490	3.0
Approved Electives	6.0
Electives*	9.0
Total:	30.0

**3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.*

Specialist Option in Theatre/Writing

Students in the Theatre/Writing Option Program must complete at least 40.5 units of required course work from Theatre and Writing, as below.

First Year	
WRIT 100	3.0
THEA 105	3.0
THEA 111	1.5
THEA 112	1.5
THEA 120	3.0
Electives*	3.0
Total:	15.0

Second Year	
WRIT 203	3.0
THEA 205	3.0
THEA 210	1.5
THEA 211	1.5
3 units from THEA 348 and 349 or 355 and 356 or 362 and 363	3.0
Electives*	3.0
Total:	15.0

Third Year	
WRIT 305	3.0
THEA 331	1.5
THEA 332	1.5
Theatre History 300+	3.0
WRIT Electives**	1.5-3.0
Electives*	3.0-4.5
Total:	15.0

Fourth Year	
WRIT 403	1.5
Theatre History 300+	1.5
THEA Electives**	1.5-4.5
WRIT Electives**	1.5-3.0
Electives*	6.0-9.0
Total:	15.0

In third and fourth years, students must take a minimum of 4.5 units of Writing electives at the 300 or 400 level.

Theatre/Writing Option students must take a minimum of 1.5 units of THEA 414 (Studies in Canadian Theatre and Drama) if it is offered.

** 3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.*

*** Students will complete this program by enrolling in either Writing or Theatre elective courses suited to their particular interests or abilities and with the advice of both departments. In some cases, electives outside either department may be approved.*

Comprehensive Option

First Year	
THEA 105	3.0
THEA 111	1.5
THEA 112	1.5
THEA 120	3.0
Electives*	6.0
Total:	15.0

Second Year	
THEA 205	3.0
THEA 210	1.5
THEA 211	1.5
Electives*	9.0
Total:	15.0

Third and Fourth Years	
Theatre History 300+	4.5
THEA 300+	10.5
Electives*	15.0
Total:	30.0

**3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.*

BA Honours in Theatre History

To graduate with a BA Honours in Theatre History, students require a minimum of 30 units of Theatre; at least 15 units must be in designated Theatre History courses at the 300 and 400 level, listed below, and 6 units in approved, related disciplines.

Designated Theatre History courses are THEA 309A, 309B, 310, 311, 312, 314, 315, 316, 317, 318, 319, 328, 362, 363, 390, 391, 410, 411, 414.

DIRECTED STUDIES

Directed Studies may, with permission of the department, be taken more than once.

Students wishing to pursue a course of directed studies must, with a faculty member who is willing to supervise such a course, formulate a proposal accurately describing the course content, the intended method and extent of supervision,

and the method by which work will be evaluated. The proposal must then receive the approval of the Chair of the department.

Proposals will normally be subject to the following limitations:

1. The student must achieve a minimum GPA of 7.0 (A-) in courses directly related to the proposed directed studies.
2. No more than 9 units of directed studies credit will count for credit towards the BFA.
3. No more than 6 units of directed studies will be approved in any single winter session.

Department of Visual Arts

Daniel L Laskarin, BA (S Fraser), MFA (UCLA), Associate Professor (Sculpture), Chair

Vikky Alexander, BFA (NSCAD), Professor (Photography)

Sandra Meigs, BFA (NSCAD), MA (Dal), Professor (Painting)

Robert Youds, BFA (UVic), MFA (York), Professor (Painting)

Lynda Gammon, BA (S Fraser), MFA (York), Associate Professor (Sculpture, Drawing, Installation)

Steve Gibson, BA (Trinity Western University), MMus (UVic), PhD (SUNY at Buffalo), Associate Professor (Digital Media)

Luanne Martineau, Fine Arts Diploma (ACAD), MFA (UBC), Assistant Professor (Art Theory and Curatorial Studies)

Lucy Pullen, BFA (NSCAD), MFA (Tyler School of Art Temple University), Assistant Professor (Sculpture)

Ho Tam, BA (McMaster), MFA (Bard College), Associate Professor (Video)

Daniel Wilkin, Facilities and Production Manager

VISUAL ARTS PROGRAMS

For Humanities, Fine Arts and Professional Writing Co-operative Education information, please see page 105. For Visual Arts and Computer Science Co-op Option information, please see page 116.

The department offers an undergraduate program leading to the degree of BFA, Visual Arts Major, and a two-year graduate program leading to an MFA. In addition, students may complete a combined degree program in Visual Arts and Computer Science.

The academic emphasis of the department is on contemporary art practices, rather than applied or craft training. The program is designed to provide intensive studio experience in a critical setting pertinent to the pursuit of art in our culture. Studies are enriched by visiting artists and critics, and the presence of graduate students from Canada and abroad. In addition to the regular program, the department may offer courses each summer which are staffed by notable visiting artists.

PROGRAM ADMISSIONS

Applicants from Secondary School

Applicants from secondary schools must complete the usual procedures for admission to the University (see page 23) and must select the B.F.A. Visual Arts degree program option. Application deadline is February 28. The department further requires that the following materials be submitted directly to the Visual Arts department (deadline March 9) for review by the selection committee:

- a Visual Arts questionnaire (downloadable from the application site) completed by hand
- a portfolio of still images or a combination of images and video. (Consult the Visual Arts website for details regarding portfolio submission.)

Transcripts in progress should be sent to Undergraduate Admissions on application. Final transcripts are due by May 31.

Transfers from Other Institutions

The application procedure is generally the same as that specified for applicants from secondary school (see above).

Transfer credit will be assigned as listed in the BC Transfer Guide, or evaluated as necessary. Final transcripts for transfer students are due in Undergrad Admissions by May 31.

Note: Students will normally not be admitted into third- and fourth-year studio courses until their out-of-department elective requirements for the first and second year have been met. Transfer students must take ART 102 in their first year in the Visual Arts Department.

Transfers from Other UVic Faculties

Transfer applicants from other faculties should complete the usual procedures for re-registration as specified on page 28. Portfolio and questionnaire submissions are the same for all applicants as described above.

PROGRAM REQUIREMENTS

All Visual Arts studio courses involve a minimum of three hours of out-of-class studio time. Department facilities are available for completion of studio projects.

Major Program

Students must normally complete 31.5 units of department offerings as specified below. At least 21 units must be chosen from outside the Department of Visual Arts, including 6 units of History in Art. Of the total 60 units, at least 21 must be chosen from courses numbered 300 or above.

Please note: A general University of Victoria regulation requires all students either to pass the qualifying examination in English or to complete certain English courses (see Undergraduate English Requirements, page 29).

First-year Visual Arts Courses

ART 103	1.5
ART 104	1.5
ART 105	1.5
ART 106	1.5

Second-year Visual Arts Courses

6 of ART 201 - 242, 261 - 272	9.0
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First- or Second-year Visual Arts Courses

ART 150*	1.5
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*Mandatory course before registering in studio courses beyond the 100 level.

First- and Second-year Out-of-department Electives

History in Art**	3.0
Not ART electives	9.0
ART or electives	1.5

**The required 6 units of History in Art may be elected at any time during the four years; however students are strongly advised to complete 3 of those 6 units in their first or second year. It is strongly advised that 3 of the total 6 units be HA 362A, Modern Art in Europe and North America: 1900 to 1945 and HA 362B, Art in Europe and North America: 1945 to Today.

Note: Students will normally not be admitted into third and fourth-year studio courses until their out-of-department elective requirements for the first and second year have been met.

Third- and Fourth-year Visual Arts Courses

ART 300 - 495	15.0
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Third- and Fourth-year Out-of-department Electives

Not ART electives*	9.0
ART or electives	6.0

* Electives must include History in Art requirement.

Combined Major Program in Visual Arts and Computer Science

The Department of Visual Arts and the Department of Computer Science have designed a combined program leading to either a Bachelor of Fine Arts or a Bachelor of Science degree.

Enrolment in this program is limited. Students are admitted to the program at the end of first year.

Year 1

ART 103, 104, 105, 106	6.0
MATH 100, 101, 122	4.5
CSC 110, 115	3.0
Elective*	1.5
Total	15.0

Year 2

ART 150	1.5
5 of ART 201, 202, 211, 212, 221, 222, 241, 242, 261, 262, 271, 272	7.5
MATH 211	1.5
CSC 225, 230	3.0
SENG 265	1.5
Total	15.0

Year 3

6 units of ART at the 300-level	6.0
2 of CSC 330, 355, 360, 370, SENG 330	3.0
SENG 310	1.5
Electives	4.5
Total	15.0

Year 4

6 units of ART at the 300- or 400-level	6.0
CSC 305	1.5
2 CSC at the 400 level ¹	3.0
Electives	4.5
Total	15.0

1. One of these courses may be SENG at the 400 level.

*Students who need to fulfill the UVic English requirement should use this elective option to do so.

Visual Arts and Computer Science Co-op Option

Students in the Combined Major Program in Visual Arts and Computer Science may, if eligible, enrol in and undertake work terms in both Co-op programs or may, if eligible, enrol in and undertake work terms in only one Co-op program. Students who complete at least two work terms in each area will have the combined nature of their program noted as part of the Co-op designation on their official records.

General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 46. For Humanities, Fine Arts and Professional Writing Co-operative Education information, please see page 105.

Department of Writing

Lorna Crozier, BA (Sask), MA (Alta), L.L.D. (Regina), D.Litt. (Sask), University of Victoria Distinguished Professor

Maureen Bradley, BA, MA (Concordia), MFA (Brit Col), Associate Professor

Bill Gaston, BA, MA, MFA (Brit Col), Professor
Lorna Jackson, BA (Vic), MA (Vic), Assistant Professor

David Leach, BA (Vic), MA (Queen's), Associate Professor

Tim Lilburn, BA (Regina), MA (Gonzaga), PhD (McMaster), Associate Professor

Joan MacLeod, BA (Vic), MFA (Brit Col), Associate Professor

Lynne Van Luven, BA (Sask), MA, PhD (Alta), Associate Professor and Chair

Visiting, Adjunct and Cross-listed Appointments

Don McKay, BA, MA (W Ont), PhD (Wales), Adjunct Professor

John Barton, BA (Vic), MLIS (W Ont), Adjunct Professor

Patrick Lane, Adjunct Professor

WRITING PROGRAMS

For Humanities, Fine Arts and Professional Writing Co-operative Education information, please see page 105. For the Writing Program Co-op Option information, please see page 117.

The Department of Writing offers the following program options:

- Major (in drama, fiction, poetry, creative non-fiction; also a Writing/Theatre option)
- Professional Writing Minor in Journalism and Publishing
- Film Studies Minor (interdisciplinary, various departments; see description on page 220)

PROGRAM ADMISSIONS

Applicants from Other Institutions

Transfer credit in writing courses does not necessarily satisfy UVic's Writing requirements. The prerequisite for all second-year workshops is WRIT 100 with a minimum of B+ (75-79). Few are given permission to bypass this course, but students with a minimum of 12 post-secondary units may apply for Advanced Standing by submitting a portfolio of written work, a list of relevant courses completed, and a letter outlining their suitability. Only portfolios received between January 15 and March 31 will be considered. (See the Department of Writing website <finearts.uvic.ca/writing/admission.html> or contact the departmental office for more details.) Recipients of Advanced Standing are advised that they must meet all the University's admission requirements. Advanced Standing does not guarantee acceptance to the University or to any of the department's classes.

Transfer credit for courses expressed in the BC Transfer Guide as WRIT 100-level does not satisfy WRIT 100.

Applicants for a Second Degree

Each year, a limited number of students are permitted to enter the program to work towards a second degree: BFA or BA. A minimum of two years of further study is required. Applicants who cannot produce a manuscript of sufficient quality to allow them entry into a third-year workshop may require three or four years to complete their program (see Second Bachelor's Degree, page 40). Only portfolios received between January 15 and March 31 each year will be considered.

Admission to Specific Courses

Although the programs offered by the Writing department are mainly intended for students who have shown some ability as writers, a number of lecture courses are also included which may be of interest and value to all students.

Since the number of candidates who meet the minimum requirements for eligibility exceeds the places available, students should understand that eligibility does not guarantee them admission into specific courses or programs in Writing. To gain entry into courses, students must be prepared to meet departmental attendance regulations, must not be overenrolled and must pay any fees or fines that may affect university standing. Students must attend all classes, including the first. If they do not attend the second class in a course with a limited enrolment (e.g., all workshops), they will be deregistered.

Second, Third and Fourth Year Workshops

Students require a grade of B+ or higher in WRIT 100 to advance into second year workshops. These are minimal standards and do not guarantee admission.

No student will be permitted to take more than 1.5 units of workshops in a single genre per term, or more than 3.0 units of workshops in any given term. Special and Directed Studies courses are designed for those teaching situations which cannot be covered in regular workshops. No writing projects which might be covered in a regular workshop will be permitted within such special courses.

PROGRAM REQUIREMENTS

Major Program

Students in the Writing Major program are required to take:

1. WRIT 100 with a grade of B+ or better
2. 6.0 units from 200-level Writing
3. 15.0 units of 300- or 400-level Writing, including 4.5 units of workshops in a single genre.

Professional Writing courses (WRIT 215, 216, 315) may not be counted as part of a Writing Major.

WRIT 306, 307, 308, 309, 310, 311, 312, 316, 321, 330, 335, 336, 340, 410, 416 and 440 may count toward either a Major in Writing or a Professional Writing Minor in Journalism and Publishing, but not both.

Students are advised to work toward a Double Major, since enrolment in workshops is limited, and spaces are not guaranteed. Without a concentration of courses in a separate discipline, students may find themselves delayed in graduating.

If at least 9 units of electives are chosen from courses offered by other departments within the Faculty of Fine Arts, the degree awarded may be either the BFA or the BA of the Faculty of Fine Arts. If fewer than 9 units of electives from the Faculty of Fine Arts are chosen, the degree awarded will be the BA of the Faculty of Fine Arts.

Minor in Professional Writing in Journalism and Publishing

The Department of Writing offers a Minor in Professional Writing emphasizing journalism, media studies and publishing. The goal of the program is to develop skills required to succeed as a professional writer in journalism, publishing, government or industry.

Please note that the Minor in Professional Writing in Journalism and Publishing is a separate program from the Minor in Professional Writing offered by the English department.

Program Requirements

To obtain a Professional Writing Minor in Journalism and Publishing, students are required to take:

1. WRIT 102, with a grade of B+ or better
2. WRIT 215, 216, with an average grade of B+ or better
3. WRIT 315, 340
4. Six units from the 300- and 400-level PW courses in Writing (listed under Major Program above) or approved electives from outside the department. Entry to 300- and 400-level courses will depend upon successful completion of the 100- and 200-level prerequisites listed above, and declaring the Minor with the appropriate faculty Adviser.

While participation in the Professional Writing Co-op (see below) is not mandatory, it is highly recommended; priority for admission in certain courses will be given to those taking the Co-op option.

Courses taken for the Minor cannot be used to complete requirements for a Major or Honours Program.

Major in Writing and Minor in Professional Writing

Students who are interested in completing both a Major Program in Writing (specializing in fiction, poetry, drama and/or creative nonfiction) and a Minor Program in Professional Writing (specializing in journalism and publishing) should take WRIT 100 and WRIT 102 in their first year of study. Similarly, students who are not yet certain whether they would prefer to do a Major in Writing or a Minor in Professional Writing or both are advised to enrol in WRIT 100 and WRIT 102 in their first year to keep all three options open.

Writing/Theatre Option

Writing/Theatre Option students must be accepted into both departments. Students must apply to the Department of Theatre by February 28. Students must also send a letter of intent to the Department of Writing by February 28. For more details about the program requirements see the Specialist Option in Writing/Theatre in the Department of Theatre, page 114.

Writing Programs Co-op Option

General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 46.

The Humanities, Fine Arts and Professional Writing Co-operative Education Program offers paid employment to students who are working towards a career in journalism, publishing or communications. The Co-op is open to students who are:

- undertaking a Major in Writing, or
- undertaking the Professional Writing Minor in Journalism and Publishing, or
- undertaking an interfaculty General program where the Professional Writing Minor in Journalism and Publishing is one of the two programs which forms the General program.

Students undertaking the Professional Writing Minor must follow the guidelines specific to their program and the Professional Writing Minor in Journalism and Publishing (see at left). Professional Writing Minors must satisfactorily complete four work terms to receive a Co-op notation upon graduation.

For further information about the Humanities, Fine Arts and Professional Writing Co-operative Education program, see page 105.

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Faculty of Human & Social Development



The Faculty of Human and Social Development was created in 1977 by bringing together five different professional schools under the auspices of one faculty. The Faculty includes the Schools of Child and Youth Care, Health Information Science, Nursing, Public Administration and Social Work, and several interdisciplinary programs.

The Faculty of Human and Social Development is unique both at UVic and in Canada; a similar structure for programs does not exist in any university in Canada. The Schools have developed reputations for innovative programs and excellent teaching. In addition to high quality teaching, the Faculty is engaged in creative, relevant programs of research. Additional features of our Faculty are equitable working and learning environments, and a strong emphasis on social responsibilities.

Faculty Members

Mary Ellen Purkis, BSN (Calgary), MSc, PhD (Edinburgh), Associate Professor and Dean
 Leslie Brown, BSW (Regina), MPA, PhD (Victoria), Associate Professor and Associate Dean Research

Laurene E. Shields, BSN (Victoria), MS, PhD (Oregon), Associate Professor and Associate Dean Academic

Susan C. Boyd, BA (California, Santa Cruz), MCP (Antioch), PhD (Simon Fraser), Associate Professor

Marie L. Campbell, BA, MA (British Columbia), PhD (Toronto), Professor Emeritus

Lyn Davis, BA (Florida Atlantic), MA, PhD (Florida State), Senior Instructor (Limited Term)

Maureen A. Maloney, LLB (Warwick), LLM (Toronto), Professor

Pamela Moss, BA (Indiana), MA (British Columbia), PhD (McMaster), Professor

Michael J. Prince, BA (Carleton), MPA (Queen's), PhD (Exeter), Lansdowne Professor (Social Policy)

Charlotte Reading, BSc, MA, PhD (Dalhousie), Associate Professor

Jeffrey L. Reading, BPE (Alberta), MSc, PhD (Toronto), Professor and Director, Centre for Aboriginal Health Research

Marge Reitsma-Street, BSW, MSW (McGill), PhD (Toronto), Professor

Katherine Teghtsoonian, BA (British Columbia), AM, PhD (Stanford), Associate Professor

Brian Wharf, BA, BSW, MSW (British Columbia), PhD (Brandeis), Professor Emeritus

Visiting, Adjunct and Cross-listed Appointments

Maxine Alford, BN, PhD (Edinburgh), Adjunct Associate Professor

Thomas Attig, BA, MA, PhD (Washington), Adjunct Assistant Professor

Lesley Bainbridge, BSR, MEd (British Columbia), Adjunct Assistant Professor

Kelly Bannister, BSc, MSc (Victoria), PhD (British Columbia), Adjunct Associate Professor

Alan Cassels, BA (RMC), MPA (Victoria), Professor Cross-Listed

Simon Carroll, BA, MA, PhD (Victoria), Adjunct Assistant Professor

Elias Cheboud, Adjunct Associate Professor

Benedikt Fischer, BA, MA (Konstanz), PhD (Toronto), Professor Cross-Listed

Eileen Grant, MA (Royal Roads), Adjunct Assistant Professor

Ingrid Kirk, MA (Manitoba) Adjunct Assistant Professor

Margaret Kovach, BSW, BA, MSW, PhD (Victoria), Adjunct Assistant Professor

Carl May, PhD (Edinburgh), Adjunct Professor

Jennifer Mullett, BA, MA, PhD (Victoria), Adjunct Assistant Professor

Michael Orsini, BA, MA, PhD (Carleton), Adjunct Associate Professor

Tessa Parkes, BSc (Edinburgh), PhD (Kent), Adjunct Assistant Professor

Irving Rootman, BA (Alberta), MPhil, PhD (Yale), Adjunct Professor

Deborah Rutman, BSc, MA, PhD (Toronto), Adjunct Assistant Professor

Thomas F. Ward, BA, MD (Saskatchewan), Adjunct Professor

General Information

DEGREES AND PROGRAMS OFFERED

Undergraduate Programs

The Faculty of Human and Social Development offers undergraduate programs leading to the degrees of Bachelor in Child and Youth Care, Bachelor of Science in Health Information Science, Bachelor of Science in Nursing and Bachelor of Social Work. The faculty also offers diploma and certificate programs as shown in the table below.

Graduate Programs

The faculty offers graduate studies in Child and Youth Care, Dispute Resolution, Indigenous Governance, Nursing, Public Administration, Social Work, and Studies in Policy and Practice in Health and Social Services. For information, please refer to the *UVic Graduate Calendar*.

Co-operative Education Program

Please refer to page 45 for a general description of Co-operative Education at UVic.

In the Faculty of Human and Social Development, a Co-operative Education Program is offered by the School of Public Administration at both the undergraduate (minor) and graduate level, by the School of Health Information Science at both the undergraduate and graduate level, and by the School of Child and Youth Care at the graduate level.

Admission to and completion of Co-operative Education Programs are governed by individual School requirements. As a required part of the program, students are employed for specific work terms. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35. This employment is related as closely as possible to the student's course of studies and individual interest.

Students in the undergraduate (minor) program in Public Administration may withdraw from the Co-operative Education Program at any time during an academic term and remain enrolled in a degree program offered by the School.

For details of the undergraduate (minor) program in Public Administration, please see page 135. For details of the undergraduate program in Health Information Science, please see page 126. For details of the graduate program(s) in the Public Administration, Health Information Science, and the Child and Youth Care, please see the *UVic Graduate Calendar*.

ACADEMIC ADVICE

Academic advice about the professional schools in the Faculty of Human and Social Development is available from advisers or faculty members of individual Schools on an appointment basis.

ADVISORY COMMITTEES

Programs in the Faculty of Human and Social Development have the benefit of advice and guidance from advisory committees whose members are professionals engaged in various private agencies or government departments. Further information is available from individual Schools.

Faculty of Human and Social Development Undergraduate Programs

	Degree Programs	Diploma, Certificate, and Minor Programs
Faculty of Human and Social Development		Indigenous Governance Certificate Program
School of Child & Youth Care	BCYC	Diploma in Child and Youth Care ¹
School of Health Information Science	BSc	
School of Nursing	BSN	
School of Public Administration		Diploma in Public Sector Management
		Diploma in Local Government Management
		Professional Specialization Certificates: - Cultural Sector Leadership - Local Government Management - Performance Management - Public Policy and Governance - Public Sector Management - Voluntary and Non-profit Sector Management
		Minor in Public Administration
School of Social Work	BSW	

1. Available only through specific Indigenous community partnerships.

COLLABORATIVE APPROACH

All of the Schools have developed a distinctive curriculum in response to the needs of their respective professions. However, some clients of the human services cannot be neatly classified by professional boundaries, and hence a major objective of the Faculty of Human and Social Development is to develop opportunities for students who will work together as professionals to learn together while in university. Such opportunities include courses covering common content as well as workshops and conferences. In addition, faculty members in the Faculty of Human and Social Development are encouraged to undertake research projects on an interdisciplinary basis including collaboration with colleagues in other faculties.

LIMITATION OF ENROLMENT

Admission to UVic and this faculty is not a guarantee of placement in particular programs or courses. Schools may limit enrolment for a variety of reasons, and admission requirements may be raised.

Faculty Admissions

The requirements for admission to programs within the Faculty of Human and Social Development are presented under the entries for the individual Schools.

Probability and Statistics 12 is recommended for undergraduate admission to the faculty.

Mature students who do not have Mathematics to the Grade 11 level are encouraged to take a refresher course before beginning their studies. See additional requirements under each program.

Applicants for the Schools in the Faculty of Human and Social Development must complete two separate applications: one for admission to the School of interest, and one for admission to the University.

COURSES OFFERED THROUGH THE FACULTY

The following courses are occasionally offered through the Faculty of Human and Social Development and are open to HSD students in their third and fourth years.

HSD 400 (1.5)	Policy in the Human Services
HSD 401 (1.5)	Women in the Human Services
HSD 425 (1.5)	Qualitative and Quantitative Analysis
HSD 460(1.5)	Special Topics in Human and Social Development
HSD 464 (1.5)	Introduction to Disability Studies
HSD 490 (1.5)	Directed Studies

Faculty Academic Regulations

CREDIT FOR COURSES OFFERED BY OTHER INSTITUTIONS

Students who plan to undertake upper-level course work at another university must normally receive prior approval from the Dean and the Director of the School in which the student is registered if they wish such course work to be credited toward a degree program or diploma program in the Faculty of Human and Social Development. Upon successful completion of such course work, it is the student's responsibility to request the Registrar of the other university to send an official transcript of record to the Records Office of the University of Victoria.

ENGLISH REQUIREMENT

The four-year bachelor programs in Child and Youth Care and Health Information Science will normally include 3 units of English; Social Work and Nursing include 1.5 units. All courses are chosen in consultation with the Department of English.

GUIDELINES FOR PROFESSIONAL CONDUCT

The Faculty of Human and Social Development expects students to develop and adhere to a professional code of conduct. The faculty supports models for professional conduct based on the following guidelines:

- submission of oneself to a professional code of ethics
- exercise of personal discipline, accountability and judgement
- acceptance of personal responsibility for continued competency and learning
- willingness to serve the public, client or patient and place them before oneself
- ability to recognize the dignity and worth of all persons in any level of society
- willingness to assist others in learning
- ability to recognize one's own limitations
- maintenance of confidentiality of information appropriate to the purposes and trust given when that information was acquired
- acceptance that one's professional abilities, personal integrity and the attitudes one demonstrates in relationships with other persons are the measure of professional conduct

Unprofessional Conduct

Students in the Faculty of Human and Social Development are subject to the provisions of the code of ethics of their respective professions, and may be required to withdraw from their School for violating these provisions. Students may also be required to withdraw from their School when ethical, medical or other reasons interfere with satisfactory practice in their respective disciplines.

MINOR

Students registered in a degree program in the Faculty of Human and Social Development may declare a Minor Program in another faculty with

written permission from their School and the department offering the Minor, and the Deans of the respective faculties. The Minor will be added to the student's academic record upon completion of program requirements in Human and Social Development and the general degree or Minor requirements in the other faculty.

REGULATIONS CONCERNING PRACTICA

General

The faculty reserves the right to approve any agency or institution that provides placements for student practica, and to change any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any change in placement.

While the faculty accepts a responsibility to provide a sufficient number of practicum opportunities to serve the needs of all registered students, a student may be required to withdraw from a practicum course if none of the available practicum agencies will accept the student.

It is the responsibility of the course instructor to inform students of the criteria by which unprofessional conduct will be judged in the practicum setting.

Practica Dates

The dates of practica will be established by each School or program, and will be announced to the students involved at the beginning of each term.

Attendance

Attendance at practicum activities is required. Students are expected to notify the placement agency whenever practicum appointments cannot be kept, and also to inform the course instructor.

Denial and Withdrawal

Denial

Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by the Director of the School in the Faculty of Human and Social Development.

Temporary Withdrawal of Students Pending Report

The Director may require a student to withdraw temporarily from a practicum if, during the course of a term, there are reasonable grounds to believe that the conduct or lack of competence of a student enrolled in the practicum has adversely affected or may adversely affect:

- clients or pupils, or
- personnel, including students associated with the practicum

The student will be required to withdraw temporarily pending the receipt of a report on the conduct and lack of competence of the student.

Withdrawal

After giving the student an opportunity to be heard, the Director may require a student to withdraw from the practicum if the Director is satisfied that the student's conduct or lack of competence may adversely affect members of any of the groups identified in the paragraph above.



Voluntary Withdrawal

Students seeking voluntary withdrawal from a practicum, whether permanent or temporary, must receive permission to do so from their faculty supervisor in Human and Social Development.

Notification of Records Services

Students who withdraw temporarily from a practicum must notify Records Services in writing. Students who are required to withdraw from a practicum will be withdrawn from any course involved by written notification from the Director to Records Services.

Readmission

Students who have withdrawn from a practicum for whatever reason who later wish to reenter the practicum must apply for readmission to the course and should not assume that readmission is guaranteed.

Appeals

The normal avenues of final appeal, page 40, are available to students who have been required to withdraw from a practicum. Students in the Faculty of Human and Social Development may follow regular appeal procedures within the faculty.

Faculty Programs

DEGREE AND DIPLOMA PROGRAMS

Details of degree and diploma programs in the faculty are presented under the entries for the individual Schools offering the programs.

MASTER'S OF ARTS IN STUDIES IN POLICY AND PRACTICE

The Studies in Policy and Practice MA is an interdisciplinary program that offers a unique combination of analytic skills to help practitioners understand the social, cultural, political and practical implications of their human service work. Collaborative approaches to teaching and learning are encouraged in course work, as students learn together with colleagues from a variety of disciplines and fields. The view embodied by the program is that knowledge and theories as well as policies and methods of practice are always changing. Courses emphasize critical reflection, especially on current challenges in relevant communities and fields of practice, as a basis for developing innovative strategies and imagining possible futures.

For more information on this graduate program, please see the *UVic Graduate Calendar*.

Indigenous Governance

Web site: <web.uvic.ca/igov/>

Taiaiake Alfred, BA (Concordia), MA, PhD (Cornell), Associate Professor

Jeff Cornthassel, BA (UC, Irvine), MA, PhD (Arizona), Associate Professor

Waziyatawin, BA (Minnesota) MA, PhD (Cornell), Associate Professor and Indigenous Peoples Research Chair

Lisa Hallgren, BA (SFU), MA (UBC), Program Manager

Angela Polifroni, BA, MA (UVic), Program Assistant

PROGRAM PHILOSOPHY

Indigenous Governance is committed to teaching and research that respects both western and Indigenous traditions, methods and forms of knowledge. Through these programs, students will gain an understanding of the philosophical, administrative, and political dimensions involved in governing Indigenous communities, as well as a background in the theory, methods and tools appropriate for and useful to research among Indigenous people. The program aspires to educate students who are grounded in a diverse body of knowledge to assume leadership and policy-making roles, or to continue their academic careers in a variety of fields including Social Science, and History, Law or Native Studies.

MASTER'S OF ARTS IN INDIGENOUS GOVERNANCE

The Master of Arts in Indigenous Governance is an interdisciplinary program that provides students with a strong foundation of basic and applied scholarly research and a path to understanding government and politics among Indigenous peoples, with a special emphasis on the nature and context of Indigenous governments in Canada. For more information on the MA in Indigenous Governance, please see the *UVic Graduate Calendar*.

CERTIFICATE IN THE ADMINISTRATION OF INDIGENOUS GOVERNMENTS

IGOV course offerings in the Certificate Program are subject to adequate enrolment. **Please note that at this time, no new students will be admitted to the Certificate Program.**

This Faculty of Human and Social Development program is a unique part-time university credit program. The courses focus on topics such as critical thinking, leadership and management in Indigenous organizations, as well as the legal, political, economic and public policy dimensions of governance in Indigenous communities. The entire certificate program is offered by distance through a combination of distributed learning options and on-campus seminars.

Upon completion of eight credit courses, a Certificate in the Administration of Indigenous Governments is granted. Students may also enrol in related programs at UVic, such as the School of Public Administration's Diploma in Public Sector Management (DPSM) program, in which all of the CAIG courses are eligible for credit towards the Diploma. The program is also committed to meeting the urgent training and educational needs of Indigenous communities and organizations, and single courses or various combinations of courses may be delivered in intensive one or two day executive-style seminars (credit or professional development only) by special arrangement.

The program is inherently flexible and is delivered in a variety of formats and modes according to community and student needs and priorities.

The program has been offered on campus in Victoria, in a delivery format designed so that students attended the courses in a series of one or more multi-day seminars. With a renewed commitment to making the program relevant to community needs, the program may also be offered on location in Indigenous communities, with the course delivery mode designed to accommodate the scheduling needs of the students and preferences of the organization.

Program Admission

Successful applicants will be expected to meet the University English requirements and to have completed Grade 12.

Mature applicants will be considered, as detailed in University policy. Courses will be taught at a level which is consistent with other third- and fourth-year undergraduate courses offered at UVic, and applicants will be required to demonstrate that they possess the academic proficiency necessary to benefit fully from the program. Candidates without formal post-secondary qualifications but with demonstrable experience may be admitted, with continuation in the program subject to performance in the first two to three courses with a grade of C+ or better. A limited number of students not formally admitted to the program may register for individual courses, with the permission of the Program Administrator.

Students wishing to enrol in this program or wanting more information should contact:

Program Manager
Indigenous Governance Program
Faculty of Human and Social Development
University of Victoria, Box 1700 STN CSC
Victoria BC V8W 2Y2
Email: igov@uvic.ca

Program Requirements

IGOV course offerings in the Certificate Program are subject to adequate enrolment.

Students must complete eight required courses to receive a certificate. Successful completion of IGOV 381, IGOV 382, IGOV 383 and IGOV 384 are prerequisites for progression through the program.

The required courses are:

- IGOV 381
- IGOV 382
- IGOV 383
- IGOV 384
- ADMN 311
- ADMN 312
- ADMN 316
- ADMN 421

Program Academic Regulations

Students will be permitted to present up to 6 units of non-credit course work chosen from the IGOV online offerings to the certificate program. IGOV 381, 382, 383 and 384 will be offered through the IGOV program's online classroom. Students must choose the "Transfer Credit" option and successfully complete each of these courses. Once completed, transfer credit will be awarded at the same unit value in the certificate program. A maximum of 6 units of credit may be obtained through the IGOV Online Program and transferred into the certificate program. This option is specific to the Indigenous Governance Program's Certificate Program. Students should

check transfer credit regulations with their own individual programs or institutions prior to registering in these courses.

School of Child and Youth Care

Website: <www.cyc.uvic.ca>

Daniel Scott, BA (York), MA, PhD (UVic), Director and Associate Professor

James Anglin, BA (Car), MSW (Brit Col), PhD (Leicester), Professor and Director of International Affairs and Adviser to the Provost
Sibylle Artz, BA, MA, PhD (UVic), Professor

Jessica Ball, BA (UBC), MA, MPH, PhD (Berkeley), Professor

Gordon Barnes, BSc (Man), BA (Winn), MA, PhD (York), Professor

Marie Hoskins, BA (UBC), MEd, PhD (UVic), Professor

Valerie Kuehne, BScN (Alta), MEd (Loyola), PhD (Northwestern), Professor and Vice-President, External Relations

Alan Pence, BA, MS (Portland St), PhD (Ore), Professor

Douglas Magnuson, BA (Bethel), MA, PhD (U of MN), Associate Professor

Sandrina de Finney, BA, PhD (UVic), Assistant Professor

Veronica Pacini-Ketchabaw, BA, MEd (York), PhD (Tor), Assistant Professor

Jennifer White, BA (UVic), MA, EdD (UBC), Assistant Professor

Shanne McCaffrey, BEd (Sask), MA, (UVic), Senior Instructor

Greg Saunders, BA, MA (UVic), Senior Instructor

Jin-Sun Yoon, BA, MEd (UBC), Senior Instructor

Visiting, Adjunct and Cross-listed Appointments

Roy Brown, BSc (Gen; Spec), Post-Grad Dip, PhD (London), Adjunct Professor

C. Ann Cameron, BA, MA (UBC, PhD (London), Adjunct Professor

Leslie Foster, BSc (London), MA, PhD (Tor), Cross-listed Adjunct Professor

Kofi Marfo, BEd (Cape Coast), MEd, PhD (Alberta), Adjunct Professor

Beth Blue Swadener, BA (Indiana U at South Bend), MS, PhD (Wisconsin-Madison), Adjunct Professor

Steve Van Bockern, BA (Augustana), MA, EdD (S. Dakota), Adjunct Professor

Anne Becker, AB, MD, PhD, ScM (Harvard), Adjunct Associate Professor

Judith Bernhard, BA (Ryerson), MEd, PhD (Tor), Adjunct Associate Professor

Peter Moss, BA (Oxford), BPhil (Liverpool), MA (London), Adjunct Associate Professor

Shlomo Romi, BA, MA (Bar-Ilan), PhD (Tor), Adjunct Associate Professor

Carol Stuart, BPHE, BA (Queen's), MEd (Alberta), PhD (UVic), Adjunct Associate Professor

Emily Vargas-Baron, BA, MA (Latin Hist; Hispanic American & Brazilian Studies) (Washington), PhD (Stanford), Adjunct Associate Professor

Jophus Anamuah-Mensah, BSc, MSc (Cape Coast), MA, EdD (UBC), Adjunct Assistant Professor

Jeremy Berland, BSW, MSW (UBC), Adjunct Assistant Professor

Larry Brendtro, BA (Augustana), MS (S.Dakota), PhD (Michigan), Adjunct Assistant Professor

Enid Elliot, BA, MA (Berkeley), PhD (UVic), Adjunct Assistant Professor

Judith Evans, BS (U of MN), MA (Stanford), EdD (Mass), Adjunct Assistant Professor

Thom Garfat, BA, MA (Lakehead), PhD (UVic), Adjunct Assistant Professor

Nevin Harper, BA (Ore), MA (Royal Roads), PhD (U of MN), Adjunct Assistant Professor

John Hart, BA (Linfield), MSW (Portland State), PhD (S.Cal), Adjunct Assistant Professor

Elizabeth Jones, BA (Coll of Pacific), MA (Wisconsin), MA (Whittier), PhD (S.Cal), Adjunct Assistant Professor

Sylvia Kind, BFA (UVic), MA (UBC), PhD (UBC), Adjunct Assistant Professor

Philip C. Lancaster, BA (Waterloo), MA, PhD (Ottawa), Adjunct Assistant Professor and Senior Research Associate

Gordon Miller, BSc (Saskatchewan), MA, PhD (UVic), Adjunct Assistant Professor

Wayne Mitic, BA (Western), M in Human Kinetics (Windsor), EdD (State U of NY), Adjunct Assistant Professor

A. Bame Nsamenang, BSc, MEd, PhD (Ibadan, Nigeria), Adjunct Assistant Professor

Carmen Rodriguez de France, BEd (Monterrey), MEd, PhD (UVic), Adjunct Assistant Professor

Hans Skott-Myhre, BA, MEd (U of W.A.), PhD (Cultural Studies; Education) (U of MN), Adjunct Assistant Professor

Victoria Smye, BA (Brock), MHSc (McMaster), PhD (UBC), Adjunct Assistant Professor

Jo-Anne Stoltz, BA, MA, PhD (UVic), Adjunct Assistant Professor

Bruce Tobin, BA (UVic), MA, PhD (Washington), Adjunct Assistant Professor

Emeritus

Frances Ricks, BA (Ore), MSc (Indiana), PhD (York), Professor Emeritus

Roy Ferguson, BA, PhD (Alberta), Associate Professor Emeritus

GENERAL INFORMATION

School Mission Statement

The School of Child and Youth Care provides education, training, professional development and research for the care and support of children, youth, families and their communities. The work of the School of Child and Youth Care is grounded in the principles of inclusion, social justice and ethical practice.

A Professional Education Program for Practicing Professionals

The School of Child and Youth Care at UVic offers professional education to human services practitioners working with children, youth and their

families. Graduates of the program are employed in front-line, supervisory and leadership positions in ministries and agencies throughout British Columbia and across North America. Employment opportunities exist in child welfare and child protection, social and mental health services, child day care centres, hospitals, schools, youth corrections agencies, infant development programs, child and youth advocacy programs, and a range of other community-based settings.

CHILD AND YOUTH CARE PROGRAMS

Students in the degree program in Child and Youth Care will integrate theoretical perspectives on human growth and development, behavioural change, and understanding and use of self and relationship with applied practice skills. Field-based practicum placements are a requirement during the second, third and fourth years of the program.

At the undergraduate level, the School of Child and Youth Care offers the degree of Bachelor of Child and Youth Care (BCYC) and, through partnerships with Indigenous communities, can also offer a Diploma in Child and Youth Care in Indigenous Communities.

Graduate Program

The School offers an MA and PhD in Child and Youth Care. For more information about this program, see the UVic Graduate Calendar.

Program Options for Students

The School of Child and Youth Care offers distance, blended and/or campus-based course delivery options for the BCYC degree program. Our distance and distributed education option supports learners to remain in their home communities and continue their employment while participating in interactive distance courses. Our courses blend web-classrooms with video and other communications technologies to create effective learning environments that allow students to work both collaboratively and independently. Some courses will require scheduled online sessions.

In addition to the collegial virtual classroom environment, students may also choose to participate in the SCYC web-community. This community provides all students with the opportunity to build new relationships and understandings outside the walls of the classroom.

Students participating in the CYC degree program through distance education are required to attend one 10-day seminar on campus. Distance delivery is available throughout Canada and may be available to students in other locations by special arrangement.

SCHOOL OF CHILD AND YOUTH CARE ADMISSIONS

Students are selected on the basis of personal and professional suitability as well as academic standing. An interview may be required as part of the application process. Paid or volunteer experience with children and/or youth is considered in the admission decision. Application information and forms are available on the SCYC website: <www.cyc.uvic.ca>. Application deadline is February 28.



School Admission Requirements Secondary School Graduates

Admission requirements for applicants from secondary school are the same as those outlined for the Faculty of Social Sciences (see page 24)

All Secondary School applicants must submit an Application for Admission to the University to Undergraduate Admissions.

Applicants Transferring from Other Institutions

Students wishing to apply to the School of Child and Youth Care from other colleges or universities must either have completed a minimum of 12 units of university transfer courses or have completed a human services diploma from an accredited institution with an overall GPA of B.

All transfer applicants must submit an Application for Admission to the University to Undergraduate Admissions and a Child and Youth Care application to the School.

Applicants Transferring from other University of Victoria Faculties

Students wishing to transfer from other faculties at the University of Victoria must submit an Application for Re-registration to Records Services and a Child and Youth Care Application to the School.

Successful applicants must satisfy the program requirements as stated in the calendar of the year they enter the program and may be required to complete 100 and 200 level courses.

Special Category Applicants (Distributed Learning Only)

The School of Child and Youth Care is interested in extending university-level learning opportunities to residents of BC and other regions who wish to do their courses by distributed learning and who may not qualify under the normal categories of admission.

"Special Access" applicants (see page 26) admitted in the PRE CYC admissions category are advised to complete 12 units of coursework before applying to the degree program. Upon successful completion of these courses, students may apply to the Child and Youth Care degree program.

Those who qualify for consideration in the Special Category will be selected by the School of Child and Youth Care for admission in the Special Category on the basis of educational history and non-educational achievements that indicate an ability to succeed at university.

Exploratory Studies

Students who wish to take individual credit courses for personal or professional interest, and will be at least 21 years of age prior to the first day of classes, may apply for admission to Exploratory Studies. Exploratory Studies students may take up to 3 units of courses per term, normally to a maximum of 12 units attempted overall, and will be classified as "non-degree" students. See also "Other Applicant Categories" in Undergraduate Admissions (page 26).

Transfer Credit

Students who have completed a human services professional academic program at an accredited institution with an overall GPA of B (5.0) or higher may be eligible to receive block credit

upon admission to the SCYC (15 units for a one-year certificate and 30 units for a two-year diploma). This does not include vocational or continuing studies certificates or diplomas. For further information on transfer credit, consult the BC Child and Youth Care Educators' website: <www.cyc.ec.bc.ca>. While every effort is made to keep the website updated, the UVic calendar content takes precedence in the event of errors or discrepancies on the website.

SCHOOL ACADEMIC REGULATIONS

Criminal Record Checks

Criminal record checks are required of students before they commence practicum placements. Students are responsible for completing this process.

Leave of Absence

Upon completion of one or more years in the School of Child and Youth Care, students may apply in writing to the School for a one-year leave of absence. The deadline for such a request is normally March 31.

Prior Learning Assessment

Prior Learning Assessment (PLA) uses a range of flexible assessment procedures, including course challenge, to evaluate for credit within the Child and Youth Care program learning that is gained through non-credit education, training or experience.

Learners may receive recognition for demonstrated learning that is consistent with the achievement levels and learning outcomes appropriate to selected courses. The assessment of prior learning will be completed within a special course section dedicated specifically to this function.

A maximum of 10.5 units of academic credit may be obtained through PLA. No course whose equivalent already appears on a student's transcript may be completed by PLA.

Normally only students who have been admitted to the School of Child and Youth Care can apply for PLA. Initial inquiries should be directed to the Student Adviser, who can provide PLA application forms and information on deadlines. Access to flexible assessment in any particular year is dependent upon the availability of resources within the School.

No fourth-year courses may be completed by prior learning assessment.

Standing

Students whose sessional GPA falls below 3.0 or who fail to receive a C+ in any core CYC or other required course may be required to withdraw from the program.

PROGRAM REQUIREMENTS

Child and Youth Care Course Information

The following requirements apply to students entering the School of Child and Youth Care degree program in the year governed by this calendar. For students previously admitted to the program, please refer to the calendar for the year of their initial admission.

- Students require a minimum of 60 units of university credit to graduate; a minimum of 30 of these must be granted by UVic. Students granted the BCYC must complete 46.5 units of CYC required courses and an additional 3 units of 100 level English with a minimum grade of C+.
- The following courses are normally restricted to BCYC students: CYC 210, 310, 338, 370, 410 and 475. Required courses may be waived if equivalent courses are completed prior to admission to the degree program.
- Elective course requirements vary depending on transfer credit or previous UVic course work. Most UVic or UVic-transferable courses may be used towards electives. See CYC course offerings

Degree in Child and Youth Care Required Courses

CYC 100A (1.5)	Introduction to Professional Child and Youth Care Practice Part One
CYC 100B (1.5)	Introduction to Professional Child and Youth Care Practice Part Two
CYC 152 (1.5)	Introduction to Helping Skills in Child and Youth Care Practice
CYC 166A (1.5)	Lifespan Development (Conception to Late Childhood)
CYC 166B (1.5)	Lifespan Development (Adolescence to Late Adulthood)
CYC 171 (1.5)	Introduction to Families: Issues, Patterns, and Processes
CYC 205 (3.0)	Applying Change Theory in Child and Youth Care Practice Supervised Practicum I
CYC 210 (1.5)	Introduction to CYC Practice in Indigenous Contexts
CYC 230 (1.5)	Ethical Decision Making in Child and Youth Care Practice
CYC 240 (1.5)	Introduction to Law in Child and Youth Care Contexts
CYC 250 (1.5)	Introduction to Group Work in Child and Youth Care Practice Supervised Practicum II
or	
CYC 310A (4.5)	Child and Youth Care Practicum by Prior Learning Assessment (PLA)
CYC 338 (3.0)	Applying Developmental Theory in Child and Youth Care Practice
CYC 350 (1.5)	Applying Law in Child Protection and Child and Youth Care Practice
CYC 356 (1.5)	Child and Youth Care Practice with Families
CYC 364 (1.5)	Disability and Child and Youth Care Practice
CYC 370 (1.5)	Applying Assessment and Case Planning in Child and Youth Care Practice
CYC 410 (4.5)	Advanced Supervised Practicum
or	
CYC 410A (4.5)	Advanced Supervised Block Practicum

- CYC 423 (1.5) Research Methods in Child and Youth Care
- CYC 424 (1.5) Qualitative and Quantitative Analysis in Child and Youth Care
- CYC 462 (1.5) Perspectives on Substance Use in Child and Youth Care Practice
- CYC 463 (1.5) Substance Use: Prevention and Treatment Approaches in Child and Youth Care Practice
- CYC 475 (3.0) Advanced Child and Youth Care Practice with Families and Groups

Specialization Streams

The School of Child and Youth Care offers a number of specialization streams that students may choose as part of their degree.

Child Protection Stream

The following courses must be completed to meet the requirements for the Child Protection stream:

- CYC 467 (1.5) Interdisciplinary Practice with Children and Families
- CYC 410A* (4.5) Advanced Supervised Block Practicum

* Must be completed in a Ministry of Children and Family Development or delegated First Nations child welfare setting.

Early Years Stream

The following courses must be completed to meet the requirements for the Early Years stream:

- CYC 380 (1.5) Practices for Young Children and Families: Historical and Contemporary Perspectives
- CYC 381 (1.5) Leadership, Advocacy and Policy for the Early Years
- CYC 480 (1.5) Advanced Applied Capacity Building for the Early Years
- CYC 481 (1.5) Issues of Assessment and Evaluation with Young Children and Families
- CYC 410* (4.5) Advanced Supervised Practicum

or

- CYC 410A* (4.5) Advanced Supervised Block Practicum

* Must be completed in a relevant setting.

Note: Students holding an ECE Diploma from an accredited BC college/university completed with an overall GPA of B who are interested in the Early Years Diploma should contact the adviser: <cycadv@uvic.ca>.

Child Life Stream

The following courses must be completed to meet the requirements for the Child Life stream:

- CYC 461 (1.5) Child Life Practice in Hospitals and Community Settings
- CYC 410A* (4.5) Advanced Supervised Block Practicum

* Must be completed in a relevant setting.

Professional specialization certificate in international child and youth care

The School of Child and Youth Care has been able to respond to child and international development needs through a 9.0 unit, post-degree Early Childhood Development Virtual University (ECDVU) program. This one-year program is only available on a distributed learning, special delivery basis in international development regions and contexts (for example Africa and Middle East). The students participating in these deliveries are identified on a group basis through a country nomination process (not through self-registration). Typically, students have a minimum of seven or more years of leadership experience in the field and have completed an initial professional diploma or degree. See the ECDVU website: <www.ecdvu.org>.

Certificate Course Requirements:

- CYCI 484 (1.5) Historical and Contemporary Theoretical Perspectives in Early Childhood Care and Development
- CYCI 485 (1.5) Child and Adolescent Development in Context
- CYCI 486 (1.5) Professional Leadership in Early Childhood Care and Development
- CYCI 487 (1.5) Models, Programs and Strategies for Intervention in Early Childhood Care and Development
- CYCI 460 (2 x 1.5) Special topics courses in Child and Youth Care

Total Credits: 9.0 units

Diploma in Child and Youth Care in Indigenous Communities

The School has responded to the child and youth care needs of specific cultural groups through the development of community-based, culturally sensitive course work. Certain specific admission criteria apply to applicants in this program. The School recognizes the successful completion of the 30-unit program with a Diploma in Child and Youth Care. The Diploma ladders into the 60-unit degree program in CYC. Students wishing to complete the CYC degree following diploma completion must apply to the degree program. Students may follow one of two options to complete their diploma: **Option One:** 30 CYC required 100- and 200-level units and CYC 101, 130, 131, 132, 260 (x 2), CYC 365 OR **Option Two:** 30 CYCB units. NOTE: Option Two is only available through specific agreement with sponsoring communities.

Option One (Distance Learning)

Students pursuing their diploma through the first option must be recommended by the appropriate Indigenous community review body for admission. The course work will normally include:

- CYC 100A (1.5) Introduction to Professional Child and Youth Care Practice Part One
- CYC 100B (1.5) Introduction to Professional Child and Youth Care Practice Part Two
- CYC 101 (1.5) Introduction to Child and Youth Care Practice and Communications Technology

- CYC 130 (1.5) Professional Communications in Child and Youth Care
- CYC 131 (1.5) Child and Youth Care Practice in Indigenous Settings
- CYC 132 (1.5) Indigenous Leadership in Child and Youth Care
- CYC 152 (1.5) Introduction to Helping Skills in Child and Youth Care Practice 6 day lab/based course with pre- and post-work (numbers permitting)
- CYC 166A (1.5) Lifespan Development (Conception to Late Childhood)
- CYC 166B (1.5) Lifespan Development (Adolescence to Late Adulthood)
- CYC 171 (1.5) Introduction to Families: Issues, Patterns, and Processes
- CYC 205 (3.0) Applying Change Theory in CYC Practice
- CYC 210 (1.5) Supervised Practicum I
- CYC 230 (1.5) Introduction to CYC Practice in Relation to Indigenous Contexts
- CYC 240 (1.5) Ethical Decision Making in Child and Youth Care
- CYC 250 (1.5) Introduction to Law in Child and Youth Care Contexts
- CYC 260* (1.5) Special Topics in Child and Youth Care
- CYC 265 (1.5) Introduction to Group Work in Child and Youth Care Practice 6 day lab/based course with pre- and post-work (numbers permitting)
- CYC 356 (1.5) Child and Youth Care Practice with Families

* Must be taken twice in different topics.

Option Two (Community Partnership)

Students following option two will follow those criteria specified in a Memorandum of Agreement with each Indigenous organization. This course work is available only through specific Indigenous community partnerships; courses with the prefix CYCB (see course listings) are not available to students outside of community partnerships, neither on campus nor via distance education.

Completion of the two years CYCB course work also allows the student to apply to the BC provincial government for certification and registration as an Early Childhood Educator, having met the requirements for Basic and Post-Basic Certificates in Early Childhood Care and Education (ECCE) in BC. For more information, please contact the Director of the School.

Admission Requirements for Options One and Two

Students who have been recommended by the appropriate Indigenous community review body for admission to the Indigenous community-based diploma have the option to apply for restricted UVic admission (contact the School of Child and Youth Care for details). Such students must complete a UVic Application for Admission. Students wishing to be admitted to UVic under the regular admission procedures should refer to undergraduate admission requirements (page 23).

Under the restricted admission procedure, students will be admitted to the Child and Youth Care Indigenous community-based course work only, and students wishing to pursue or to continue their studies in any other UVic programs must apply to reregister through UVic Undergraduate Admissions & Records.

Credit obtained from the Child and Youth Care Indigenous community-based course work may be transferable to a UVic degree program. Students who wish to pursue a Bachelor of Child and Youth Care at UVic must reapply to UVic Undergraduate Admissions and fulfill all normal admission and program requirements of the School of Child and Youth Care.

Initially all students may be coded as not satisfying the UVic English requirement (page 29). Students will be coded as satisfying the English requirement once UVic Undergraduate Admissions has approved completion of the English requirement. Official transcripts must be submitted to Undergraduate Admissions for English courses completed at another accredited institution. Students may receive credit within the Indigenous community-based Child and Youth Care diploma for ECE certificates from an accredited post-secondary institution. No more than 15 units of transfer credit will be granted upon admission to the diploma program.

Further information is available at the following website: <web.uvic.ca/fnpp>.

School of Health Information Science

Abdul Roudsari, BSc (London), MSc (London), PhD (London), Professor and Director

Jochen R. Moehr, Staatsexamen, DrMed (Marburg), Habilitation Medizinische Informatik (Hanover Med School), Professor Emeritus

Denis J. Protti, BSc (Alberta), MSc (Man), Professor Emeritus

Andre Kushniruk, BA (Brock), BSc (Brock), MSc (McMaster), PhD (McGill), Professor

Francis Lau, BSc (Alberta), MSc (Alberta), PhD (Alberta), Professor

Scott MacDonald, BSc (UVic), MA (Toronto), PhD (Western Ontario), Professor

Gerhard W. Brauer, BA (UVic), MA (UBC), EdD (UBC) Associate Professor

Elizabeth Borycki, RN, HBSN (Lakehead), MN (Manitoba), PhD (Toronto) Assistant Professor

Alex M.H. Kuo, BSc (Taiwan), MBA (Taiwan), PhD (Nottingham, UK) Assistant Professor

Ken Chung, BA (California), MSc (Calgary), Senior Laboratory Instructor

Dave Hutchinson, BSc (Calgary), MSc (Otago), Co-operative Education Coordinator

Visiting, Adjunct and Cross-listed Appointments

David Birnbaum, BA (Berkley), MPH (Minnesota), PhD (UBC), Adjunct Professor

Christopher Eagle, MBA (Western Ontario), MD (Calgary), BSc (Calgary), Adjunct Professor

Malcolm Maclure, BA (Oxford), SM (Harvard), SD (Harvard), Adjunct Professor

Richard Stanwick, MSc (McGill), MD BSc (Manitoba), Adjunct Professor

Bruce Carleton, B.Pharm (Washington), Pharm.D (Utah), Adjunct Associate Professor

Patricia M. Coward, PhD (Case Western Reserve), MN (Alberta), BScN (Toronto) Adjunct Associate Professor

Paul D. Fisher, BSc (UVic), MSc (Alberta), PhD (Alberta), Adjunct Associate Professor

Larry Frisch, BA (Reed), MD (Harvard), MPH (Washington), Adjunct Associate Professor

Michael R.J. Guerriere, MD (Toronto), Adjunct Associate Professor

Robert S. Hayward, Master of Public Health (John Hopkins), MD (Queen's), BA (Yale) IB (United World College of the Atlantic), Adjunct Associate Professor

Donald W. Juzwishin, BA, MHSA (Alberta), PhD (Alberta) Adjunct Associate Professor

Thomas Rosenal, MD (Calgary), MSc (Calgary), BSc (Calgary) Adjunct Associate Professor

Yuri Quintana, BA (Waterloo), MA (Waterloo), PhD (Waterloo), Adjunct Associate Professor

Richard Scott, BSc (Plymouth), PhD (Calgary), Adjunct Associate Professor

Jens Weber, Diploma (Dortmund), PhD (Paderborn), Adjunct Associate Professor

Jeff Barnett, BSc (UVic), MSc (UVic) Adjunct Assistant Professor

Colin Dormuth, BA (Manitoba), MA (Manitoba), SM (Harvard), SD (Harvard) Adjunct Assistant Professor

Marilynne Hebert, BSc (Alberta), PhD (UBC), Adjunct Assistant Professor

Michael Downing, MD (Western Ontario), Adjunct Assistant Professor

Sandra Jarvis-Selinger, BA (Brock), HBA (Lakehead), BEd. (Lakehead), M.Ed. (UBC), PhD (UBC), Adjunct Assistant Professor

Karim Keshavjee, BSc (McGill), MSc (Toronto), MD (Toronto), MBA (Toronto) Adjunct Assistant Professor

Roman Mateyko, B.A.Sc., (Toronto), Adjunct Assistant Professor

James G. McDaniel, BS (Case Western Reserve), BSc (UVic), MS (Cornell), PhD (UVic), Adjunct Assistant Professor

Howard Pai, MD, FRCP(C) (Western Ontario), Adjunct Assistant Professor

Nola Ries, BA (Alberta), LLB (UVic), MPA (UVic), LLM (Alberta), Adjunct Assistant Professor

Brian Shorter, HNC (UK), MBA (Dalhousie) Adjunct Assistant Professor

Robert D. Tornack, MBA (City University), BSN (UBC), Adjunct Assistant Professor

Erdem Yazganoglu, MD (Turkey), MSc (Leeds), MSc (Toronto) Adjunct Assistant Professor

Jennifer Zelmer, BSc (Victoria), BA (McMaster), PhD (McMaster) Adjunct Assistant Professor

HEALTH INFORMATION SCIENCE PROGRAMS

Health Information Science is the study of the nature of information and its processing, application and impact within a health care system. Health Information Science integrates organiza-

tional studies, computing and communications technologies, and information systems within the formal study of health care systems.

The School of Health Information Science offers programs leading to a Bachelor of Science in Health Information Science, a four-year Co-operation Education program. Students have the option of choosing either part-time or full-time studies.

The program is normally full-time but under special circumstances with special permission of the director part-time entry may be possible. Typically, to be considered for the part-time option an applicant will have a minimum of one year experience working in a related field. This part-time option is not available through the Combined Major in Computer Science and Health Information Science.

Students are required to apply for either the full-time program or the part-time option. Students in the full-time program will not normally be allowed to move to the part-time option. Students in the part-time option will be required to be registered for courses or a work term in every term and will be required to complete the degree within eight years from the date of admission.

The admission criteria for the part-time option will be the same as listed below. Students who have failed a work term or do not maintain a GPA of 3.5 or better in each academic term, both overall and in Health Information Science courses, will normally be required to withdraw from the School for at least one calendar year.

Unless stipulated otherwise, all students in the part-time option will be bound by the School's academic regulations and program requirements.

SCHOOL ADMISSION REQUIREMENTS

Admission to the School of Health Information Science is limited. Students are selected on the basis of grades and a personal written submission. All students upon admission to the School are required to attend a one-hour orientation seminar.

Possession of the minimum admission requirements does not guarantee admission to the School of Health Information Science. Where the number of qualified applicants exceeds the number that can be accommodated, the admission cut-offs will be higher than the minimum published requirements.

Secondary School Graduates

Admission requirements for applicants from secondary school are presented on page 24 of the Calendar.

Applicants Transferring from Other Faculties or Institutions

Students wishing to transfer to the School of Health Information Science from other faculties at the University of Victoria or other colleges or universities, must either:

- meet the admission requirements for secondary school graduates (see page 24), OR
- have completed a minimum of 12 units of university-level courses and have a GPA of at least 3.5.

Credit for previous post-secondary studies may be granted as appropriate. Applicants seeking

advanced placement are advised to read the minimum degree requirements on page 32.

All new applicants must submit an Application for Admission to the University to Undergraduate Admissions and a Health Information Science Application to the School.

UVic students (those seeking admission from another faculty and those previously enrolled in the program) must submit an Application for Reregistration to Records Services and a Health Information Science Application Form to the School.

The School of Health Information Science has two entry dates for admission. Deadlines for the submission of applications are:

For September entry: March 31

For January entry: October 31

ACADEMIC REGULATIONS

Course Regulations

Health Information Science students must normally have successfully completed all courses listed under First Year, below, prior to taking 300-level HINF courses.

Students from other schools or departments may take 300- and 400-level courses with the permission of the Director and their respective Director or Chair. If enrolment restrictions are necessary, preference will be given to students registered in the Faculty of Human and Social Development.

Leave of Absence

Students must apply in writing to the Director for a leave of absence. Unless given written permission by the School of Health Information Science to take a leave of absence, students who do not reregister will be considered to have withdrawn. Students on leave of absence are considered outside the program and will not be granted work term credit for experience gained during the leave.

Program Completion Limit

The Health Information Science Full-Time Program must normally be completed within five years from the date of admission. The Health Information Science Part-Time Option must normally be completed within eight years from the date of admission. The School may require students to reapply for admission and stipulate conditions if the program is not completed within the designated time limits.

Readmission

Students required to withdraw will be considered for readmission only after achieving a GPA of 3.5 or higher on a minimum of four courses in one academic term. The School of Health Information Science is under no obligation to readmit students who have been required to withdraw.

To be readmitted to the School, students may be required to repeat Health Information Science courses previously completed if, in the judgement of the Director, curriculum changes or the length of interruption is sufficient to render the applicant inadequately prepared for the subsequent courses.

Standing

Students who have failed a work term or do not maintain a GPA of 3.5 or better in each academic term, both overall and in Health Information Science courses, will normally be required to withdraw from the School for at least one calendar year.

A graduating GPA of 3.5 or higher is required for graduation. Students who do not meet this requirement will be placed on probation and must take additional, appropriate, 300- or 400-level courses in order to raise their graduating GPA to 3.5 or higher.

All students in the School of Health Information Science are required to follow the Guidelines for Professional Conduct, page 120, and may be required to withdraw from the School for violating these provisions.

PROGRAM REQUIREMENTS

To meet the requirements of the degree in Health Information Science, students must complete:

- 60 units comprising:
 - a core of 43.5 units
 - a minimum of 7.5 units selected from the Area of Concentration courses
 - 9 units of other electives
- a minimum of three Co-op work terms. The granting of work term credit by challenge is not normally permitted.

Work term placements are across Canada and students must be prepared to accept placements outside Victoria. All students are expected to attend the weekly health informatics seminars scheduled by the School.

Course Requirements

For elective courses, it is strongly suggested that students take at least:

- one elective from the Departments of History, Philosophy or Linguistics AND
- one elective from the Departments of Sociology, Political Science or Anthropology AND
- one or more of the following courses, which provide useful background for HINF courses:

COM 220 (1.5)	Organizational Behaviour
COM 270 (1.5)	Financial and Management Accounting for Specialists
ECON 103 (1.5)	Principles of Microeconomics
THEA 150 (1.5)	Public Speaking

Note: Students who have not taken BIOL 12 will be required to take a Biology course before proceeding to second-year HINF courses. See Requirements under First Year.

First Year

CSC 110 (1.5)	Fundamentals of Programming I
CSC 115 (1.5)	Fundamentals of Programming II
ENGL 115 (1.5)	University Writing
OR	
ENGL 135 (1.5)	Academic Reading and Writing
ENGL elective (1.5)	
HINF 130 (1.5)	Introduction to Health Information Technology

HINF 140 (1.5) Introduction to the Canadian Health Care Systems

MATH 151 (1.5) Finite Mathematics

Electives (3.0 or 4.5)¹

1. Students without Biology 12 are required to take one of the following:

EPHE 141 (1.5) Introductory Human Anatomy

BIOC 102 (1.5) Biochemistry and Human Health

BIOL 150A or 150B (1.5) Modern Biology

BIOL 190A (1.5) General Biology I

Students with credit for Biology 12 will take 4.5 units of electives.

Second Year: First Term

HINF 200 (1.5) Principles of Health Database Design

HINF 230 (1.5) Organizational Behaviour and Change Management

STAT 252 (1.5) Statistics for Business

Electives (3.0)

Second Year: Second Term

HINF 201 (1.5) Database Management and Development for Health Care Systems

HINF 265 (1.5) Health Care Delivery Organization

HINF 280 (1.5) Biomedical Fundamentals

Electives (3.0)

Second Year: May-August

Co-op work term

Third Year: First Term

CSC 375 (1.5) Introduction to Systems Analysis

HINF 320 (1.5) Project Management

HINF 335 (1.5) Health Information Standards

HINF 350 (1.5) Human Aspects of Healthcare Information Systems

HINF 381 (1.5) Epidemiology, Population Health and Public Health

Third Year: Second Term

Co-op work term

Third Year: May-August

HINF 310 (1.5) Electronic Records and Decision Support Systems

HINF 330 (1.5) Legal Issues in Health Informatics

HINF 345 (1.5) Networks, Interoperability and Systems Security

HINF 351 (1.5) Information Technology Procurement

HINF 371 (1.5) Clinical Methodologies

Fourth Year: First Term

Co-op work term

Fourth Year: Second Term

HINF 410 (1.5) Information Management and Technology

HINF 420 (1.5) Societal and Ethical Implications of Information Technology

HINF 450 (1.5) Health Information System Design

HINF 461 (1.5)	System Evaluation and Quality Improvement
HINF 470 (1.5)	Trends in Health Informatics

Fourth Year: May-August

Electives (7.5)

Senior Electives

Students are required to select a minimum of 7.5 units from the following courses to complete their degree. The restrictions in course selection are noted below. Students wishing to take 300- and 400-level courses not listed below must receive prior written permission from the Director. Health Information Science students require permission of the Dean of Engineering to take Engineering courses.

ADMN 424 may not be taken for credit by students of Health Information Science.

ADMN 311	Introduction to Public Administration
ADMN 431	Public Sector Human Resources and Labor Relations
ADMN 437	Program Evaluation and Performance Measurement
AE 322	Digital Arts
ANTH 312	Medical Anthropology
CENG 420	Artificial Intelligence
CSC 360	Introduction to Operating Systems
CSC 361	Computer Communication and Networks
ECON 317	The Economics of Canadian Health Care
ED-D 316	Study of Communication in Interpersonal Relationships
ED-D 414	Group Processes
ED-D 417	Skills for Effective Interpersonal Communication
EDCI 339	Educational Applications of the Internet
GEOG 308	Introduction to GIS
GEOG 473	Medical Geography
HSD 400	Policy in the Human Services
POLI 456	The Politics of Information
SOCI 445	Sociology of Health and Illness

Students are restricted to one of:

CSC 350	Computer Architecture
CSC 355	Digital Logic and Computer Organization

Students are restricted to one of:

PHIL 330	Professional and Business Ethics
PHIL 331	Issues in Biomedical Ethics

Students are restricted to one of:

STAT 354	Sampling Techniques
STAT 453	The Design and Analysis of Experiments

Students are restricted to one of:

HSD 425	Qualitative and Quantitative Analysis
SOCI 471	Multivariate Statistical Analysis

Students are restricted to one of:

PSYC 332	Health Psychology
PSYC 334	Organizational Psychology

Combined Major Program in Computer Science and Health Information Science

Enrolment in this program is limited. Students must contact either the School of Health Information Science or the Department of Computer Science before registering in any courses. This is a mandatory Co-op program.

Students with a previous degree in Computer Science or a related degree are not eligible for this combined program (see Second Bachelor's Degree, page 40). Students who have failed a work term or do not maintain a GPA of 3.5 or better in each academic term will normally be required to withdraw from the School for at least one calendar year. This is a full-time program only.

Year 1

HINF 130, 140	.....3.0
MATH 100, 101, 122	.....4.5
CSC 106, 110, 115	.....4.5
ENGL 115 or 135	.....1.5
Elective ¹	.....1.5

Year 2

HINF 200, 201, 280	.....4.5
1 HINF 200 level	.....1.5
MATH 222	.....1.5
STAT 255 or 260	.....1.5
CSC 225, 230	.....3.0
SENG 265	.....1.5
ENGR 240	.....1.5

Year 3

3 HINF 300 level	.....4.5
CSC 375	.....1.5
2 of CSC 320, 322, 330, 355, 360, SENG 321	.....3.0
Electives	.....6.0

Year 4

2 HINF 400 level	.....3.0
3 CSC 400 level ²	.....4.5
Other courses ³	.....7.5

1. Students without grade 12 Biology must replace this elective with one of EPHE 141, BIOC 102, BIOL 150A, BIOL 190A.

2. One of these courses may be SENG at the 400 level.

3. These 7.5 units of other courses must be at the 300 level or higher and include at least 3 units chosen from Health Information Science, Computer Science or SENG.

Co-operative Education

Please refer to page 45 of the Calendar for the general description of Co-operative Education.

The distinguishing feature of the Co-operative Education approach is the inclusion, as an integral part of the degree, of three work terms. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35. These work terms begin after the student's second year (all courses listed under first and second year must normally be completed before a student goes on a work term) and normally alternate with formal academic terms in Health Information Science. The granting of work term credit by challenge is not usually permitted.

Students with a GPA below 3.5 in an academic term will not be eligible to participate in the next scheduled co-op work term.

Students must be officially registered for the work term by completing the Work Term Registration Form, provided by the School of Health Information Science office, by the end of the first month of the work term. Students not registered by that time will not receive credit for that work term.

Students are expected to participate fully in the placement process. While every attempt will be made to ensure that all eligible students are placed, the School of Health Information Science is under no obligation to guarantee placement. Students who decline a valid co-op job offer are ineligible to participate in the placement process for the remainder of that term. Work terms in Victoria are not guaranteed.

Work Term Assessment

The work term performance of each student will be assessed on the basis of:

1. the employer's evaluation of the student
2. the submission of a work term report by the specified deadline as follows:
 - Fall Work Term Report January 15*
 - Spring Work Term Report May 15*
 - Summer Work Term Report September 15*
3. an evaluation made by the co-ordinator based on discussion with the student and the employer

*If the due date falls on a holiday or weekend, the report will be due the next business day.

During work terms, students are employed in full-time, health care related jobs in either the public or private sector. For all practical purposes, Co-operative Education students on work terms are regular employees and receive salary and benefits in accordance with the employer's policy. Both the employer and the University evaluate the student's performance on each work term. Each work term is recorded on the student's Official Transcript of Academic Record (as COM, N/X or F/X).

Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university-level credit courses without the prior written approval of the Director.

Computer Science and Health Information Science Co-op

Students admitted to the Combined Major Program in Health Information Science and Computer Science are required to take part in the Co-operative Education Program. In addition to completing their degree requirements, they must complete a minimum of three work terms with at most two in one department, and be enrolled in a minimum of six units of course work each campus term in order to graduate in this program. Work terms are to be distributed between the two programs, with no more than two work terms being taken in one program.

School of Nursing

Noreen Frisch, BSN (California State), MSN (Dal), MSN (Evansville), PhD (S. Illinois), Professor and Director of the School of Nursing

Elizabeth Banister, BSN (Alta), MA, PhD (Victoria), Professor

Elizabeth (Betty) Davies, BSc (Albta), MS (Ariz), PhD (U. of Washington), Professor (limited term)

Elaine M. Gallagher, BSc (Windsor), MSc (Duke), PhD (S. Fraser), Professor

Marcia D. Hills, BScN (Alta), MA, PhD (Victoria), Professor

Marjorie MacDonald, BN (Calg), MSc (Wat), PhD (Brit Col), Professor

Rita S. Schreiber, BA (Franklin and Marshall College), MSN (U of Minnesota), DNS (New York), Professor

Rosalie Starzomski, BN (Dal), MN (Calg), PhD (Brit Col), Professor, Associate Director, Research and Scholarship

Anne Bruce, BSN (Victoria), MSN, PhD (Brit Col), Associate Professor

Gweneth A. Doane, BSN, MA, PhD (Victoria), Associate Professor(.5) & Associate Director, Graduate Studies (.5)

Carol McDonald, BSN, PhD (Calg), Associate Professor

Marjorie McIntyre, BSN (Victoria), MSN (Brit Col), PhD (Colorado), Associate Professor P. Jane Milliken, BScN, MA, PhD (Alta), Associate Professor, Associate Director Undergraduate Education

Bernie Pauly, RN, BSN, MN (Alta), PhD (Victoria), Associate Professor

Mary Ellen Purkis, BSN (Calg), MSc, PhD (Edin), Associate Professor and Dean of Faculty

Debra Sheets, BA, BSN, MSN (CSU), PhD (S. Calif), Associate Professor

Laurene E. Shields, BSN (Victoria), MS, PhD (Oreg), Associate Professor and Associate Dean of Faculty, Academic

Kelli Stajduhar, BSN (Victoria), MSN, PhD (Brit Col), Associate Professor

Deborah **Thoun**, BN, MN (Dal), PhD (Texas), Associate Professor

Lynne Young, BSN, MSN, PhD (Brit Col), Associate Professor, Associate Director, Graduate Education

Su-Er Guo, BSN (Tapei Medical University), MSN (National Defense Medical University), PhD (Case Western Reserve), Assistant Professor

Karen MacKinnon, BSN, MSN (Tor), PhD (Calg), Assistant Professor

Joan MacNeil, RN, BScN (Alta), MHSc (McMaster), PhD (Wayne State U), Assistant Professor

Lenora Marcellus, RN (Foothills), BSN (Victoria), MN (Washington), PhD (Alta), Assistant Professor

Jill Milne, BN (New Brunswick), MN, PhD (Calg), Assistant Professor

James Ronan, BSN (Texas), MN (Oregon Health Sciences), PhD (Arizona), Assistant Professor

Esther Sangster-Gormley, BSN, MS (Florida), PhD (c) (Dalhousie), Assistant Professor

Karen Evers-Fahey, BScN (S.Conn), MSN (Yale U.), Post-Grad Dip. Analytical Psych. (Switzerland), PhD (Essex), Senior Instructor

Coleen Heenan, BSN (Brit Col), MS (Portland), NP(F), Senior Instructor

Mary Lougheed, BScN (Alta), MN (Victoria), Senior Instructor

Jeannine Moreau, BSN, MN (Victoria), Senior Instructor

Wendy Neander, BSc (Wisconsin), BScN (Arizona State), MN (Alta), Senior Instructor

Maureen Ryan, BN (Dalhousie U.), MSN (Calgary), Senior Instructor

Margaret Scaia, BSN (Brit Col), MN (Calgary), Senior Instructor

Robin Scobie, BScN, MScN (Ottawa), Senior Instructor

Coby Tschanz, BN (Calg), MN (Victoria), Senior Instructor

Nancy Wright, BSN, MN (Victoria), NP(F), Senior Instructor

Joan Gillie, BA (USP), MA (Victoria), Coordinator, Student Affairs

Carolyn Hammond, BSN (Brit Col), MN (Victoria), Practica Coordinator

Lori Klear, BA (Victoria), Admissions/Liaison Officer/Student Adviser

Linda Latham, BA (Windsor), MHSc (Victoria), Practica Coordinator

Cindy MacDonald, Program Assistant, Distance Education

Diane MacLeod, BSN (St Francis Xavier), Practica Coordinator

Kara Schick Makaroff, BSN (Sask), MN (Victoria), Practica Coordinator

Diana Walton, Academic Administrative Coordinator

Adjunct Appointments

Cheryl Cherpitel, BSN, MPH, PhD (Calif), Adjunct Professor

Gerrit Clements, BA (Calg), LLB (Alta), Adjunct Professor

Michael O'Connor, BA (Victoria), LLB (Brit Col), Q.C., Adjunct Professor

Helen Boston, RN (New York), BA, MA, PhD (Montreal), Adjunct Associate Professor

Robert Calnan, BSN, MEd (Victoria), Adjunct Associate Professor

Kathleen Cyr, BScN (Seattle), MA (Wash), Adjunct Associate Professor

Brian Pound, MB, BS, LRCP, MRCS, LMCC (London), Adjunct Associate Professor

Victoria Scott, BScN, PhD (Victoria), Adjunct Associate Professor

Blair Stanley, MD, BSc (Van), CCFP, FCFP, Adjunct Associate Professor

Melanie Basso, BSN, MSN (Brit Col), Adjunct Assistant Professor

Jennifer Beaveridge-Jewers, BScN (Victoria), MSN, NP(F) (Van), Adjunct Assistant Professor

Darcee Bidgood, BSN (Victoria), MSN (Brit Col), Adjunct Assistant Professor

Elizabeth Borycki, RN, HBScN (Lakehead), MN (Man), PhD (Toronto), Adjunct Assistant Professor

Brenda Canitz, BScN (Sask), NP (Alta), BA (Sask), MSc (Toronto), Adjunct Assistant Professor

Alyse Capron, BSN, MN (Victoria), Adjunct Assistant Professor

Lisa Constable, BSN (Victoria), MScN (Brit Col), Adjunct Assistant Professor

Linda Frost, MEd, (Simon Fraser U), Adjunct Assistant Professor

Monica Gregory, BSN (Alta), BSc (Pmcol), MSN, NP (Family) (Brit Col), Adjunct Assistant Professor

Lynn Guengerich, BSN (Arkansas), MSN, NP (Pediatric) (Texas), Adjunct Assistant Professor

Marnie Jacobsen, MD, BSN, MSN, Adjunct Assistant Professor

Yasmin Kandil, BA (Cairo), MFA (Victoria), PhD(c), Adjunct Assistant Professor

Margaret Lachmuth, BSN (Calg), MSN (Alta), Adjunct Assistant Professor

Darlene Martin, BSN (Victoria), Adjunct Assistant Professor

Cora McRae, BSN (Victoria), MSN (Brit Col), Adjunct Assistant Professor

Lesley Moss, RN, BA (Man), MA (Victoria), Adjunct Assistant Professor

Barbara Radons, BSN (Van), MN, NP(F) (Victoria), Adjunct Assistant Professor

Lynn Stevenson, BSN, MA, PhD (Victoria), Adjunct Assistant Professor

Charlotte Thompson, BSN (Victoria), MSN (Brit Col), MA (Victoria), Adjunct Assistant Professor

Lori Verigin, RN, BSc (VAN), MN, NP (Athabasca), Adjunct Assistant Professor

Laura Vicol, MN, NP (F) (Victoria), Adjunct Assistant Professor

Carolyn Wilkinson, BSN (Toronto), MSN (Brit Col), Adjunct Assistant Professor

THE COLLABORATION FOR ACADEMIC EDUCATION IN NURSING (CAEN)

The School of Nursing offers a program of studies leading to a BSN for registered nurses and for students continuing in the Collaboration for Academic Education in Nursing (CAEN). A current list of partner institutions is available from the University of Victoria School of Nursing website: <<http://nursing.uvic.ca>>.

The School of Nursing has three campuses:

- Victoria campus, located at the University of Victoria, Victoria, BC
- Castlegar campus, located at Selkirk College, Castlegar, BC
- Yellowknife campus, located at Aurora College, Yellowknife, NT

All three campuses offer CAEN continuing students the opportunity to complete the BSN through full-time, on-campus study. The Victoria campus is also the administrative centre for the Post-Diploma Distance Program through which post-diploma students residing in Canada or the USA may complete the BSN degree program by distance education.

The purpose of these programs is to educate nurses to work with individuals, families, groups or communities from a health promotion perspective and an ethic of caring. The CAEN curriculum is based on a philosophy which reflects a commitment to implement a phenomenological and socially critical curriculum which considers the changing health care needs of our society. The philosophy is considered to be alive

and evolving. Emerging from the philosophy is the metaconcept of caring. Caring is understood as the attitude and activity of nursing, and is considered in every nursing course.

Emerging from this philosophical orientation is a health promotion perspective that has been used as a conceptual framework to organize the curriculum. This framework acknowledges the need for a socio-ecological perspective with a multidisciplinary focus. This shift in focus from illness to health represents a deliberate move away from a medical model to an understanding of nurses' work as focusing on people and their experiences with health and healing. Inherent in this orientation is the use of innovative teaching methodologies which encourage the development of critical thinking, discovery of personal meaning and empowerment.

Another unique feature of this curriculum is the emphasis on practice experience as the foundation of nursing theory and the recognition that nurses' work requires thoughtful, reflective action as defined by the concept of praxis. To assist in actualizing the concept of praxis, nursing practice experiences have been planned and integrated throughout the program of studies.

The University of Victoria School of Nursing offers students two learning options, described below.

Continuing Program (Victoria, Castlegar and Yellowknife Campuses)

This option requires completion of the program of studies in its entirety, leading to the degree of BSN. Students choosing this option enter the program at a designated CAEN partner institution. On completion of five semesters and two consolidated practice experiences, students, if admitted, may transfer to the University of Victoria School of Nursing in order to complete four additional semesters to graduate with a BSN degree.

Continuing students are not usually permitted to register in condensed on-site nursing electives due to scheduling conflicts with other on-campus required nursing courses or consolidated practice experiences. Registration priority in distance courses is usually granted to distance students.

If there is a discrepancy between the scheduled dates for reading break in the UVic, Selkirk and Aurora calendars, the Selkirk and Aurora dates will be considered correct for students attending on those campuses only.

Post-Diploma Program (Distance Education)

The entire BSN program is available to post-diploma students in Canada and the USA by distance learning. Distance education courses are offered according to a pre-planned schedule. Most core courses are offered three terms per year, and advanced nursing electives are usually offered once a year.

Courses are delivered over a 13 week period using print, CD-ROM, online course management systems and onsite workshops. Students are required to participate throughout the course in individual and group learning activities and discussion groups.

Registration priority in on-campus core nursing courses and nursing elective courses (excepting

condensed on-site electives for distance students) is granted to on-campus Continuing students. Post-diploma students may apply to register in on-campus courses, space permitting, on a case-by-case basis.

SCHOOL ADMISSION REQUIREMENTS

Entry Dates

The School of Nursing has two entry dates for admission (dependent upon the student's program of study). Deadlines for the submission of applications are:

For September entry: March 31

For January entry: September 30

Continuing Program Admission Requirements (Victoria, Castlegar, and Yellowknife campuses)

Please note that acceptance to and completion of the college portion of the program does not ensure a place in the University of Victoria School of Nursing; students are admitted to the program as resources permit in accordance with a selection process developed by the School of Nursing.

Students continuing from partner institutions in the Collaboration for Academic Education in Nursing must:

1. Meet UVic admission requirements (including the UVic English requirement) when entering the School of Nursing at UVic.
2. Successfully complete all courses in the CAEN Terms 1-5, and the two consolidated practice experiences, with a cumulative GPA equivalent to 3.0 on the UVic 9.0 point scale. (Please note that college and UVic GPAs may not be equivalent. UVic includes repeated and failed courses in the GPA calculation for all required CAEN courses, including the required English, Biology and elective courses). Students who fail any required CAEN course must successfully repeat that course prior to acceptance to UVic. Students who fail a nursing practice course in Terms 1-5 will be placed on nursing practice probation for the duration of their program at UVic. The privilege to repeat a failed nursing practice course is allowed only once in the program (Years 1 to 4). Admission to the BSN program is provisional pending receipt of an official transcript indicating satisfactory completion of Term 5. For students applying mid-program from a partner institution, please see the entry Additional Requirements.
3. Complete a University of Victoria application form.
4. Complete a School of Nursing application form.
5. Provide evidence of successful completion of a basic life support level-C course no more than 12 months prior to admission. A valid CPR level-C certificate must be maintained for the duration of the Nursing program.
6. Students must be fit-tested before initial use of their personal respirators and annually thereafter while in the BSN program, and they must provide evidence of a personal respirator quantitative fit-test prior to attending any practice placement.
7. All students entering the continuing program must have access to the Internet, email and the World Wide Web for the duration of the program.

8. Complete an HSPNet consent form for use and disclosure of student information for practicum purposes.

Post-Diploma Program Admission Requirements

Each applicant is assessed individually by the School of Nursing. For post-diploma entry to the University of Victoria and the Bachelor of Science in Nursing program, an applicant must:

1. Normally be a resident in Canada or the USA throughout the duration of the program.
Note: Students applying from the USA have additional admission requirements. Please contact an adviser for further information.
2. Complete a University of Victoria undergraduate application form.
3. Complete a School of Nursing application form.
4. Provide official verification of active practicing registration as a Registered Nurse (or the equivalent in the jurisdiction(s) in which the student is taking the program). Active practicing registration must be maintained for the duration of the program.
5. Provide two official transcripts demonstrating successful completion of an approved Diploma Nursing Program.
6. Provide two official transcripts of all other post-secondary education.
7. Provide evidence of successful completion of a basic life support level-C course no more than 12 months prior to admission. A valid CPR level-C certificate must be maintained for the duration of the BSN program.
8. All students entering the BSN Distance Education program must have access to the Internet, email and the World Wide Web for the duration of the program.
9. Complete an HSPNet consent form for use and disclosure of student information for practicum purposes.
10. Students must be fit-tested before initial use of their personal respirators and annually thereafter while in the BSN program, and they must provide evidence of a personal respirator quantitative fit-test prior to attending any practice placement.

Additional Requirements for All Programs

1. It is recommended that applicants provide evidence of complete current immunizations upon admission to the program. All students must keep immunizations updated and provide documentation to practice agencies when required.
2. It is the responsibility of students transferring from a CAEN partner to UVic part-way through year 3 or 4 to contact an Admissions/Liaison Officer for information regarding admission procedures, residency requirements and course sequencing. Students transferring mid-program may be required to repeat course work to meet graduation requirements.
3. Visiting students from CAEN continuing programs who are completing courses on a letter of permission at UVic must also complete a School of Nursing application form, and provide official copies of all post secondary transcripts and practice appraisal forms.

Note: All Students must maintain basic and extended health care insurance coverage throughout the program.

SCHOOL ACADEMIC REGULATIONS

Prior Learning Assessment

Prior learning assessment (PLA) is assessment by a qualified faculty member of what has been learned through non-credit education, training, and/or experience, that is comparable to, at the level of, and worthy of credit for a specific course in the program.

In the School of Nursing, the assessment of prior learning will be completed by a faculty member teaching the course or a faculty member with expertise in the content area under study in the course, in consultation with appropriate external advice if necessary. Normally, only students who have been admitted to the BSN program can apply for PLA.

Prior learning must be documented in a portfolio. Students are responsible for articulating their knowledge, skills, abilities and values based on documentation that provides evidence of learning. The portfolio should include:

- a) past work experience, volunteer experience, and non-formal learning activities
- b) a description of competencies, knowledge and skills in narrative form that will convey to the faculty member conducting the assessment that the student has the knowledge described in the course description
- c) documentation of competencies, knowledge and skills through such materials as transcripts, job descriptions, performance appraisals, samples of work, testimonials, awards, previous credentials, or other materials that document the learning that has occurred

Initial inquiries should be directed to the School of Nursing, where application forms may be obtained. The PLA fee must be paid prior to the assessment. Once the application has been approved, the PLA fee is not refundable. Students who are requesting prior learning assessment are advised to consult with the Coordinator, Student Affairs, who will refer them to an appropriate faculty member.

Students who successfully demonstrate prior learning will receive credit for the course specified, as well as a grade, using the same grading scheme that is used in similar courses offered on campus. The student's academic record will reflect that the grade was obtained through PLA. No course whose equivalent already appears on a student's transcript may be completed by PLA.

A maximum of three units of academic credit may be obtained through PLA. Credit by PLA is specific to the School of Nursing BSN program and is not necessarily transferable to other programs or universities.

Access to the assessment of prior learning is dependent upon availability of resources.

Professional Conduct and Student Progression

Student Progress and Information Sharing

Within the University of Victoria School of Nursing, we are committed to open, transparent processes of evaluation. This means that we en-

courage students to be proactive in approaching their instructors about past progress and challenges as each new course starts. Faculty and staff at the School of Nursing work as a team to maximize learning opportunities and enhance the quality of instruction. Evaluative feedback about current and past student progress is shared by course instructors with other faculty or staff in the School of Nursing as needed in order to promote student success.

All students in the School of Nursing must follow the faculty's "Guidelines for Professional Conduct" and "Regulations Concerning Practica", page 120, and be aware of the consequences of unprofessional conduct, and are subject to the provisions of the Canadian Nurses' Association (CNA) Code of Ethics for Registered Nurses and the College of Registered Nurses of British Columbia (CRNBC) professional and/or practice standards (or the equivalent in the province/territory/state in which the student practises). In addition to the above, the following School of Nursing practice regulations apply:

1. Where a student is enrolled in a Nursing Practice course (including NURS 345, 351, 370, 431, 470, 475, 491, 495) and there are reasonable grounds to believe that the conduct or lack of competence of a student enrolled in a nursing practice course has adversely affected or may adversely affect, those associated with the practice placement including:
 - a) clients and/or their families;
 - b) student peers; or
 - c) health care professionals, agency volunteers or others in health related fields liaising with the UVic BSN program

OR

The student has breached the HSD Faculty Guidelines for Professional Conduct and Regulations Concerning Practica, the Canadian Nurses' Association (CNA) Code of Ethics for Registered Nurses or the College of Registered Nurses of British Columbia (CRNBC) professional and/or practice standards (or the equivalent in the province/territory/state in which the student practises), the course instructor may then:

- a) restrict activities of the student in the course in such a manner as the instructor deems appropriate and/or
 - b) suspend the student's continued participation in the course prior to the course end date and/or
 - c) assign a failing grade (grade of F or N) to the student's performance in the course and report the failure to the designated committee.
2. The School of Nursing designated committee will review a student's enrolment in a nursing practice course (including review of practice appraisals) and/or the nursing degree program where:
 - a) a failing grade (F or N) has been assigned to the student's performance in a course;
 - b) a report has been received that a student has breached the HSD Faculty Guidelines for Professional Conduct and the Regulations Concerning Practica, the Canadian Nurses' Association (CNA) Code of Ethics for Registered Nurses or the College of Registered Nurses of British Columbia

(CRNBC) professional and/or practice standards (or the provincial/territorial or state equivalent where the student's practicum is taking place).

After receiving a written request from the student and giving the student an opportunity to be heard by telephone conference call, or in person, the designated committee may permit a student to retake a course in which a student has been assigned a failing grade (with or without additional requirements/conditions) OR require the student to withdraw from a nursing program in which the student is enrolled.

Practice courses, and the corequisite theory course where applicable, in deferred status must be completed prior to starting a subsequent practice course.

Program Completion Limit

The nursing program at the University of Victoria must normally be completed:

- Continuing Program: within seven years from the date of admission to the School of Nursing at the designated CAEN partner institution
- Post-Diploma Program: within six years

The School may require students to reapply for admission and stipulate conditions if the program is not completed within the designated time limits. Students seeking readmission to the School may be required to repeat nursing courses previously completed if, in the judgement of the Director or designate, curriculum changes or the length of interruption are sufficient to render the applicant inadequately prepared for the courses.

Standing

All students must maintain a cumulative GPA of 3.0 to proceed through the program and graduate. Students who fall below this level will be required to discuss their program with the Director of the School or designate, and may be required to withdraw.

Normally, all students registered in any nursing practice course must pass each course before proceeding further through the program. Students may, with permission of the designated committee, repeat a failed nursing practice course and will be placed on nursing practice probation for the remainder of the program. The privilege to repeat a failed nursing practice course is allowed only once in the program (Years 1 to 4 for continuing students and years 3 and 4 for post-diploma students). (See also Professional Conduct and Student Progression, above).

Students who have failed two practice courses in the program will be required to withdraw. All failed or incomplete course grades are permanently recorded on official transcripts, including notations of probationary status and required-to-withdraw status. Students may follow the UVic appeal procedures regarding failed grades and required-to-withdraw status. The first step in any appeal is the Director, followed by the Dean of the Faculty, followed by Senate.

NURSING PRACTICE REQUIREMENTS

Nursing practice experiences in health agencies are essential in the nursing program. It may not be possible to arrange nursing practice experiences in the location and at the time preferred by students. Students must arrange their own transportation. Travel and accommodation arrangements and costs associated with practice experiences are the responsibility of the student. Students are not permitted to transport clients, field guides, instructors, etc. when using their own vehicles for practice.

Agency Orientation/Instruction

If not already completed, or as mandated by the agency prior to or at the start of a practice experience, students must fulfill the requirements for staff orientation, and health records and medication management instruction.

Code of Ethics and Standards of Practice

All students must adhere to the Canadian Nurses' Association (CNA) Code of Ethics for Registered Nurses and/or to the professional and practice standards (or equivalent) of the Registered Nurses' licensing organization in the jurisdiction in which they are undertaking their practice experience. Students who fail to adhere to these codes and standards may be required to withdraw from the program.

Please refer to the faculty's "Guidelines for Professional Conduct" and "Regulations Concerning Practica", page 120.

Criminal Record Reviews

While not a requirement for admission, most practice agencies require the completion of a Criminal Record Review/Check prior to accepting the student's placement in the agency. Any costs related to this are the responsibility of the individual student. Students who do not complete the Criminal Record Review are usually unable to obtain a practice placement.

Registered nurses in BC have a Criminal Record Review completed with their CRNBC registration. Registered nurses undertaking practice experiences in a jurisdiction outside BC are responsible to ensure they have a Criminal Record Review or equivalent if required by their practice experience agency.

Registered nurses applying to, or registered in, the program with criminal convictions are advised to contact the appropriate registered nurses' association with regard to specific questions involving criminal convictions and ability to register as a nurse in the jurisdiction in which they are undertaking their practice experience.

Continuing unlicensed on-campus students should contact the Student Adviser about the current process to follow, and may be required to provide documentation upon admission.

Current Basic Life Support Certificate

All students must provide evidence of successful completion of a basic life support level-C course no more than 12 months prior to admission. Current CPR level-C certification must be on file in the School of Nursing for students to remain registered in the program. All costs and responsibilities associated with this are the responsibility of the individual student.

Health Insurance Coverage

All students must maintain basic and extended health care insurance coverage throughout the duration of the program.

Immunizations

Many agencies require proof of current immunizations. All costs and responsibilities associated with this are the responsibility of the individual student and must be provided to the agency upon request.

Oath of Confidentiality

Some agencies may require students to take an Oath of Confidentiality.

Personal Respirator Fit Testing

Students must be fit-tested before initial use of their personal respirators and annually thereafter while in the BSN program, and they must provide evidence of a personal respirator quantitative fit-test prior to attending any practice placement and to remain registered in the program.

Practicing Registration (Post-Diploma students only) and Malpractice Insurance (Post-Diploma USA students only)

In addition to the above requirements, all post-diploma students must have active practising registration as a Registered Nurse or the equivalent registration for the jurisdiction in which they are undertaking their practice experience. Periodically, information provided by students will be checked. Please note that students studying outside of BC are required to submit verification of active practising registration to the School of Nursing annually. Students studying in the US must also provide proof of current malpractice insurance, annually, for the duration of the program.

Post-diploma students may complete practice requirements in their place of work during paid working hours if arrangements have been negotiated with the workplace according to School of Nursing guidelines. Appropriate documentation must be submitted to the School of Nursing prior to practice commencement. Contact the Practica Coordinator for further information and guidelines.

BSN GRADUATION REQUIREMENTS

Minimum Degree Requirements

A minimum of 21 units of course work must be done through the University of Victoria by all students, although students are encouraged to complete as much of their course work as possible from the University of Victoria.

To meet University of Victoria graduation requirements, at least 21 units must be numbered at the 300 or 400 level (see Minimum Degree Requirements for Graduation, page 39).

Continuing students must complete 31.5 units of course work of which no more than 3.0 units may be transfer credit.

Post-diploma students must complete 24 units of course work of which no more than 3.0 units may be transfer credit.

Transfer Credit

Students may be permitted, with the approval of the Director or designate, to present up to 3 units

of transfer credit from institutions other than the University of Victoria. Course work can be completed college or university level post-basic certificate/diploma programs and/or approved university-level nursing and/or non-nursing courses. Students are advised to ensure the acceptability of such courses by the School of Nursing before enrolling in them.

University English Requirement

All students must meet the Undergraduate English requirement, page 29.

Post-diploma students who do not meet the University of Victoria's English requirement upon admission to the program are advised to register in English 115* online (by distance education) during their first or second term of study in the program. Please consult the appropriate WebReg guide for registration information, or contact the School of Nursing Adviser. Nursing students registering in the online English 115 course are NOT required to write the LPI examination, but may register directly in the course.

Early completion of the English requirement will facilitate writing academic papers. Students who have not satisfied the English requirement by the time they have completed 12 units of course work after admission to the BSN program (including courses completed elsewhere) will be ineligible for reauthorization and registration in future sessions until the requirement is satisfied.

Completion of English 115* will satisfy the non-nursing elective requirement in the program, if needed.

* or transferable equivalent course

Continuing Students: CAEN Curriculum Course Sequence

Term 6	
NURS 341 (1.5)	Professional Practice IV: Nursing Inquiry
NURS 342 (1.5)	Health and Healing VI: Global Health Issues
NURS 350 (1.5)	Health and Healing VII: Promoting Community and Societal Health
NURS 351 (1.5)	Nursing Practice VI
Non-nursing elective ¹ (1.5)	
Term 7	
NURS 370 (4.5)	Consolidated Practice Experience III
NURS 470 (4.5)	Consolidated Practice Experience IV
Term 8	
NURS 360 (1.5)	Professional Practice VI: Nursing Research
NURS 430 (1.5)	Professional Practice V: Leadership in Nursing
NURS 431 (1.5)	Nursing Practice VII: Engaging in Leadership
Nursing elective (1.5)	
Term 9	
NURS 475 (4.5)	Consolidated Practice Experience V
NURS 491 (4.5)	Nursing Practice VIII: Transitions

Note: Practice Course and Co-requisite Theory Course Section Changes—Continuing students only. For all required practice courses and co-requisite theory courses (NURS 350, 351, 430, 431, 370, 470, 475 and 491) all continuing on campus students will register in a single section for each course. The School of Nursing will then register students into multiple sections of the course at a later date, prior to the beginning of the term. The following factors are taken into consideration when students are placed in their section of the course:

- Students working in pairs and/or the same agency/unit will usually be in the same section.
- Usually an agency/unit will have the same instructor for all students placed there; instructor assignments are made by the School of Nursing in consultation with instructors.
- The School of Nursing also considers the variety of placements in seminar groups so that there is representation from different agencies in each group in order to enrich the learning environment.

Post-Diploma Students: CAEN Curriculum Course Sequence

300 Level	
NURS 325 (1.5)	Explorations of Nursing Knowledge and Practice
NURS 345 (1.5)	Family Nursing
NURS 341 (1.5)	Professional Practice IV: Nursing Inquiry
NURS 350 (1.5)	Health and Healing VII: Promoting Community and Societal Health
NURS 351 (1.5)	Nursing Practice VI
NURS 360 (1.5)	Professional Practice VI: Nursing Research
Non-nursing elective ¹ (1.5)	
400 Level	
NURS 430 (1.5)	Professional Practice V: Leadership in Nursing
NURS 431 (1.5)	Nursing Practice VII: Engaging in Leadership
NURS 495 ² (1.5-4.5)	Nursing Practice Synthesis
Nursing Electives	
NURS 425 ³ (1.5)	Qualitative and Quantitative Analysis
NURS 450 (1.5)	Nursing Leadership and Management
NURS 481C (1.5)	Nursing Practice in Hospice Palliative Care
NURS 482 (1.5)	Pharmacological Knowledge for Nursing Practice
NURS 483 (1.5)	Teaching and Learning in Nursing Practice
NURS 484 (1.5)	Nursing With Aboriginal Peoples in Canada
NURS 486 (1.5)	Mental Health Challenges in Later Life
NURS 487 (1.5)	Health Care Law
NURS 488 (1.5)	Women's Health
NURS 489 (1.5)	Culture and Health
NURS 493a (1.5)	Community Health Nursing
NURS 493c (1.5)	Lived Experience of Health in Aging
HSD 400 ⁴ (1.5)	Policy in the Human Services

HSD 401⁴ (1.5) Women in the Human Services

1. The intent is for students to select an elective that enhances their BSN course work. The elective can be a course at UVic or transferable to UVic, at the 100 level or above, outside the School.
2. May be taken more than once for credit to a maximum of 4.5 units.
3. May be used to satisfy either a nursing or non-nursing elective requirement and is a required prerequisite for admission to all School of Nursing graduate program options.
4. May be used to satisfy either a nursing or non-nursing elective.

School of Public Administration

Evert A. Lindquist, BA (Carleton), MA (UWO), MPP, PhD (U of Calif-Berkeley), Professor and Director of the School of Public Administration

Catherine Althaus, B Comm (Griffith), PhD (Griffith), Assistant Professor

Herman Bakvis, BA (Queen's), MA, PhD (UBC), Acting Director of the School of Public Administration and Professor

J. Barton Cunningham, BA (Brigham Young), MPA, PhD (USC), Professor

David A. Good, M City Planning (Pennsylvania), MPP, PhD (U of Calif-Berkeley), Professor and Director, Strategic Research

Budd L. Hall, BA, MA (MI), PhD (UCLA), Professor, Director, University of Victoria Office of Community-Based Research and Senior Fellow, Centre for Global Studies

John Langford, BA (Carleton), MA (Oxford), PhD (McGill), Professor

James N. MacGregor, MA (Glasgow), MSc, PhD (UVic), Professor

James C. McDavid, BA, MA (UofA), MA, PhD (IN), Professor

Emmanuel Brunet-Jailly, BA Law (University of Aix-Marseille III), MA (Virginia Polytechnic Institute and U of Paris), Post Graduate Degree in Management (Conservatoire National des Arts et Métiers), PhD (UWO), Assistant Professor

Lynda Gagné, BA, MA (SFU), PhD (UBC), Assistant Professor

Cosmo Howard, B Comm (Honours) (Griffith University), PhD (Australian National University), Cross listed Assistant Professor

Richard T. Marcy, BA (Buffalo), MS (OK), PhD (OK), Assistant Professor

Tara Ney, BA, MA (UVic), PhD (Southampton), Assistant Professor

Lindsay Tedds, BA Political Science (Carleton), BA Economics, MA (UVic), PhD (McMaster), Assistant Professor

Rebecca N. Warburton, BA (Cornell), MSc (London School of Economics), PhD (U of London), Cross listed Assistant Professor

Lynne M. Siemens, BA (Waterloo), MA (UofA), MA (UofT), PhD (Hertfordshire), Cross listed Assistant Professor

Heather A. Kirkham, BA (Lethbridge), Program Manager, Diploma and Professional Programs

Barbara Svec, MPA (UVic), Co-operative Education Coordinator

Jill Taylor, BA (UofA), MEd (Canberra), Academic Administrative Officer

Thea Vakil, BA, MSc (UBC), PhD (UVic), Acting Executive Director, Centre for Public Sector Studies

Visiting, Adjunct and Cross-listed Appointments

Robert L. Bish, PhD (IN), Professor Emeritus

James Cutt, MA (Edinburgh), MA, PhD (UofT), Professor Emeritus

A. Rodney Dobell, BA, MA (UBC), PhD (MIT), Professor Emeritus

John J. Jackson, MSc (Ottawa), PhD (UofA), Professor Emeritus

Hartmut J. Will, Dipl-Kfm (FU, Berlin), PhD (Ill), Professor Emeritus

Sandford Borins, PhD (Harvard), Adjunct Professor

John L. Fryer, BSc (London), MA (Pitt), Adjunct Professor

Rick Hudson, MD (UofA), Adjunct Professor

Laurie Jackson, BSc, MEd (UofA), PhD (UVic), Adjunct Professor

Harvey Lazar, BSc (McGill), MA (UBC), PhD (London School of Economics), Adjunct Professor

George Morfitt, CA (CICA), B Comm (UBC), Adjunct Professor

Victor Murray, BA (Manitoba), MA (Minn), PhD (Cornell), Adjunct Professor

Gordon Smith, PhD (MIT), Adjunct Professor

Kim Speers, BA (Waterloo), MA (Queen's), MPA (Carleton), PhD (UofA), Adjunct Professor

Colin J. Bennett, BSc, MSc (Wales), PhD (Ill), Cross-listed Professor

Michael J. Prince, BA (Carleton), MPA (Queen's), PhD (Exeter), Cross-listed Professor (2002-2005) Lansdowne Professor (Social Policy)

Gerry Armstrong, BA (UBC), MA (Northwestern), Adjunct Assistant Professor

Barry Carin, BA (McGill), PhD (Brown), Adjunct Associate Professor

Allison M. Habkirk, BA (UVic), MA (UBC), MPA (UVic), Adjunct Assistant Professor

Glen Milne, BA (UofT), MA (PA) Adjunct Assistant Professor

Janet Milne, Bsc (Queen's) Adjunct Assistant Professor

Diana M. Smith, BSc (UofA), MPA (Carleton), Adjunct Assistant Professor

Thea F. Vakil, BA (UBC), MSc (UBC), Adjunct Associate Professor and Acting Executive Director, Centre for Public Sector Studies

PUBLIC ADMINISTRATION PROGRAMS

English Requirements

Diploma and Professional Specialization Certificate students are not required to meet the UVic English requirements unless they subsequently enter a degree program. However, students enrolled in the Diploma in Public Sector Management and Diploma in Local Government Management should enrol in ADMN 316 early in their program.

Graduate Programs

For information on studies leading to the MPA Degree, see the *UVic Graduate Calendar*.

DIPLOMA IN PUBLIC SECTOR MANAGEMENT

The School of Public Administration offers a part-time, off-campus program of studies leading to the Diploma in Public Sector Management, which is available via distance education plus (in some courses) workshops. The program is intended for practising or prospective managers in the public and non-profit sectors who wish to acquire the skills and background necessary for effective and responsible management, and who are interested in broadening their understanding of the administrative process.

The Diploma will be awarded upon successful completion of 11 courses or 16.5 units, with an overall GPA of at least 2.0.

Admission

Courses are taught at a level which is consistent with other third- and fourth-year undergraduate courses offered at the University of Victoria; applicants will be required to demonstrate that they possess the academic proficiency necessary to benefit fully from the program.

Students without a bachelor's degree will normally be expected to have completed the equivalent of at least the first two years of post-secondary at university or at institutions such as BCIT, community colleges or recognized professional associations.

Candidates without formal post-secondary qualifications but with demonstrable appropriate experience may be admitted as conditional students, with continuation in the program subject to performance in the first three courses with a grade of C+ or better.

In addition to academic background, all applicants should have a minimum of three years' experience in dealing with issues characteristic of the public sector and/or non-profit sector. A limited number of students not formally admitted to the program may register for individual courses with the permission of the Director of the School of Public Administration. Inquiries about the program should be forwarded to:

Program Manager
Diploma in Public Sector Management
School of Public Administration
University of Victoria, Box 1700 STN CSC
Victoria BC V8W 2Y2
Phone: 250-721-8074
Email: hkirkham@uvic.ca

Admission to the Diploma in Public Sector Management from UVic's Certificate in the Administration of Indigenous Governments

Students who have completed the CAIG may apply for admission to the Diploma in Public Sector Management. To meet the DPSM requirements, students must complete ADMN 310, 314, 420 and 431. The Diploma's requirement of ADMN 316 will be waived if a student has credit for IGOV 380.

Note: Students who completed the (former) Certificate in Administration of Aboriginal Governments (CAAG) must, upon admission to the DPSM, complete ADMN 310, 311, 312, and one of ADMN 314, 420 or 431.

Transfer Credit and Waivers

Students may be permitted to complete up to 4.5 units of credit towards the Diploma in Public Sector Management by taking appropriate courses offered through other Departments of the University of Victoria or at other universities. Prior approval must be obtained from the Director of the School of Public Administration. If a Diploma student holds a UVic degree that included ADMN courses, up to 4.5 units (three courses) of credit may be waived towards a DPSM.

Students may be granted approval to exceed 4.5 units of transfer credit in cases where the credit has been (or will be) obtained for graduate-level courses taught through the School of Public Administration at the University.

At the discretion of the Director, block transfer credit of up to 4.5 units may be allowed for other post-secondary certificates or diplomas if the program covers appropriate topics.

Some courses in this program may be applied to a Diploma in Local Government Management (see below).

Transfer from UVic's Certificate in Public Management

Upon completion of UVic's eight-course Certificate in Public Management, students may be admitted to the DPSM Program with advanced standing in five courses (7.5 units). Students must complete ADMN 310, 312, 316, 420, 431 and one other ADMN course. The following courses are waived towards their DPSM requirements and students are not permitted to take these courses for further credit towards the DPSM: ADMN 311, 314, 421, 422 and 437.

Transfer Credit from the School's Professional Specialization Certificates

Upon admission to the Diploma in Public Sector Management Program, students who hold a Professional Specialization Certificate from the School may transfer four courses (6 units) into the DPSM. Students will be required to meet the Diploma requirements by completing at least seven 1.5 unit ADMN courses (not duplicating courses already taken in the Certificate). The combination of the PSC and Diploma must include ADMN 310, 311, 312, 314, 316, 420, 421 and 431.

Transfer Credit from Capilano University and Camosun College

Students who have successfully completed (with grade averages of C+ or better) Capilano University's (formerly Capilano College) Professional Certificate Program in Local Government Administration or either Camosun College's Diploma in Public Administration or Certificate in Local Government Administration may apply for block transfer credit to the DPSM. Students will be allowed transfer credit of three courses (4.5 units), which will be counted towards their Diploma in Public Sector Management elective requirements.

Transfer to UVic Degree Programs

Credit obtained within the Diploma in Public Sector Management program, less any credit transferred to the DPSM from a Certificate or Certificates in Administration of Indigenous Governments, Public Management, or Professional Specialization may be transferable to a regular undergraduate degree program. How-

ever, such transferability of credit, including transfer credit recognized from another institution, is always subject to the specific requirements of the degree program.

Program Requirements

The Diploma in Public Sector Management program is available on a part-time study basis. The course delivery methods include study guides and readings (texts and/or selected articles), plus the following methods:

- computer-mediated instruction and conferencing
- intensive workshops
- tutoring by phone or email

Completion of the 11 courses will normally take three to four years. Some courses will be run as intensive summer institutes in residence at UVic.

The following is a typical program of studies:

1. 12 units of required core courses from

- ADMN 310 (1.5)
- ADMN 311 (1.5)
- ADMN 312 (1.5)
- ADMN 314 (1.5)
- ADMN 316 (1.5)
- ADMN 420 (1.5)
- ADMN 421 (1.5)
- ADMN 431 (1.5)

2. 4.5 units chosen from the following areas as appropriate to the students' needs and interests:

Managerial Theory and Practice

ADMN 407	ADMN 409	ADMN 422
ADMN 424	ADMN 437	ADMN 477

Policy Areas

ADMN 423	ADMN 445	ADMN 446
ADMN 452	ADMN 470	ADMN 490

Courses in this program will be available as enrolment warrants.

Program Requirements for Students Enrolled Prior to Fall 2004

Students enrolled in the Diploma in Public Sector Management program prior to Fall 2004 may opt into the new program by declaring their intention in writing to the Program Manager. They must meet the new program requirements (see above) to qualify for the DPSM.

Local Government Option

The Local Government Option within the Diploma in Public Sector Management program requires the completion of four courses: ADMN 312, ADMN 445, ADMN 452, and ADMN 465

The Local Government Option has been identified by the Provincial Board of Examiners, in consultation with the Local Government Management Association of BC, as a mandatory educational requirement for the following credentials:

- Certificate in Local Government Administration
- Certificate in Local Government Statutory Administration
- Certificate in Local Government Executive Management

With these courses, in combination with other educational qualifications and relevant work experience in local government in British Columbia, local government employees may apply to the Board of Examiners for certification.

For further certification information contact:
 Administrator, Board of Examiners
 Ministry of Community Services
 Parliament Buildings
 Victoria BC V8V 1X4
 Phone: 250-387-4085
 or
 Executive Director, Local Government
 Management Association of BC
 737 Fort Street
 Victoria BC V8W 2V1
 Phone: 250-383-7032
 Email: lgma@lgma.ca

DIPLOMA IN LOCAL GOVERNMENT MANAGEMENT

Students employed or seeking employment in local governments may opt to enrol in the Diploma in Local Government Management. This is a part-time, off-campus program of studies leading to the Diploma in Local Government Management and is offered via distance education plus (in some courses) workshops. The program is intended for practising or prospective managers in local government who wish to acquire the skills and background necessary for effective and responsible management, and who are interested in broadening their understanding of the administrative process.

The Diploma will be awarded upon successful completion of 11 courses or 16.5 units, with an overall GPA of at least 2.0. Courses in this program are applicable towards professional certificates awarded by the Board of Examiners, Ministry of Community Services (see Local Government Option, above).

Admission

Courses are taught at a level which is consistent with other third- and fourth-year undergraduate courses offered at the University of Victoria; applicants will be required to demonstrate that they possess the academic proficiency necessary to benefit fully from the program.

Students without a bachelor's degree will normally be expected to have obtained the equivalent of at least the first two years of post-secondary at university or at institutions such as BCIT, community colleges or recognized professional associations.

Candidates without formal post-secondary qualifications but with demonstrable appropriate experience may be admitted as conditional students, with continuation in the program subject to performance in the first three courses with a grade of C+ or better.

In addition to academic background, all applicants should have a minimum of three years experience working in local (municipal or regional) government. (Experience in other levels of government and/or the non-profit sector may be considered.)

A limited number of students not formally admitted to the program may register for individual courses, with the permission of the Director of the School of Public Administration.

Inquiries about the program should be forwarded to:

Program Manager,
 Diploma in Local Government Management
 School of Public Administration

University of Victoria, Box 1700 STN CSC
 Victoria BC V8W 2Y2
 Phone: 250-721-8074
 Email: hkirkham@uvic.ca

Transfer Credit and Waivers

Students may be permitted to complete up to three courses (4.5 units of credit) towards the Diploma in Local Government Management by taking appropriate courses offered through other Departments of the University of Victoria, other universities or university colleges. Prior approval must be obtained from the Director of the School of Public Administration. If a Diploma student holds a UVic degree that included ADMN courses, up to 4.5 units (three courses) of credit may be waived towards a DLGM.

Students may be granted approval to exceed 6 units of transfer credit in cases where the credit has been (or will be) obtained for graduate-level courses taught through the School of Public Administration at the University.

At the discretion of the Director, block transfer credit of up to 4.5 units may be allowed for other post-secondary certificates or diplomas if the program covers appropriate topics.

Transfer Credit from the School's Professional Specialization Certificates

Upon admission to the Diploma in Local Government Management Program, students who hold a Professional Specialization Certificate from the School may transfer four courses (6 units) into the DLGM. Students will be required to meet the Diploma requirements by completing ADMN 316 (1.5 units), plus at least six 1.5 unit ADMN courses (not duplicating courses already taken in the Certificate). The combination of the PSC and Diploma must include ADMN 310, 312, 316, 423, 445, 448 (or 421), 452 and 465.

Transfer Credit from Capilano University and Camosun College

Students who have successfully completed (with grade averages of C+ or better) Capilano University's (formerly Capilano College) Professional Certificate Program in Local Government Administration or Camosun College's Diploma in Public Administration may apply for block transfer credit to the DLGM. Students will be allowed transfer credit of three courses (4.5 units), which will be counted towards their Diploma in Local Government Management elective requirements.

Transfer to UVic Degree Programs

Credit obtained within the Local Government Management program, less any credit transferred to the DLGM from a Certificate or Certificates in Administration of Indigenous Governments, Public Management, or Professional Specialization may be transferable to a regular undergraduate degree program. However, such transferability of credit, including transfer credit recognized from another institution, is always subject to the specific requirements of the degree program.

Program Requirements

The Diploma in Local Government Management program is available on a part-time study basis. The course delivery methods include study

guides and readings (texts and/or selected articles), plus the following methods:

- computer-mediated instruction and conferencing
- intensive workshops
- tutoring by phone or email

Completion of the 11 courses will normally take three to four years. Some courses may include intensive workshops at the University of Victoria or, if enrolment permits, at other BC locations.

The following is a typical program of studies:

1. 12 units of required courses or the equivalent in transfer credit (note: ADMN 448 preferred, but ADMN 421 permitted):

- ADMN 310 (1.5)
- ADMN 312 (1.5)
- ADMN 316 (1.5)
- ADMN 423 (1.5)
- ADMN 445 (1.5)
- ADMN 448 or ADMN 421 (1.5)
- ADMN 452 (1.5)
- ADMN 465 (1.5)

2. 4.5 units (three courses) chosen from other School of Public Administration undergraduate courses:

Social/Applied Sciences

ADMN 314

Managerial Theory and Practice

ADMN 407	ADMN 409	ADMN 422
ADMN 424	ADMN 431	ADMN 437
ADMN 477		

Policy Areas

ADMN 311	ADMN 446	ADMN 470
ADMN 490		

Courses in this program will be available as enrolment warrants.

Local Government Option

For a description of the Local Government Option, see the Diploma in Public Sector Management, above. The option is also available to Diploma in Local Government Management students.

Program Requirements for Students Enrolled Prior to Fall 2004

Students enrolled in the Diploma in Local Government Management program prior to Fall 2004 may opt into the new program by declaring their intention in writing to the Program Manager. They must meet the new program requirements (see above) to qualify for the DLGM.

PROFESSIONAL SPECIALIZATION CERTIFICATES

The School of Public Administration offers the following Professional Specialization Certificates:

- Cultural Sector Leadership
- Local Government Management
- Performance Management
- Public Policy and Governance
- Public Sector Management
- Voluntary and Non-profit Sector Management

Admission Requirements

The Professional Specialization Certificates are intended for students who already hold a bache-



lor's degree and have at least two years' work-related experience. In exceptional circumstances, students may be admitted to a Professional Specialization Certificate if the School finds they have sufficient academic background equivalent to a bachelor's degree.

Admission Procedure

These are credit certificates, so students would:

1. Apply for admission to the University (or permission to reregister if they are former UVic students); and
2. Apply for admission to the Certificate Program through the School of Public Administration.

Program Requirements

The requirements for each Professional Specialization Certificates are:

1. Four ADMN 300- or 400-level courses (1.5 units each).
2. No transfer credit will be allowed, but course substitutions will be permitted if a student already has taken a required course (or equivalent). A course may not be counted towards more than one Professional Specialization Certificate.

The following are the required courses for Professional Specialization Certificates. Course substitutions at the ADMN 300 and 400 level may be allowed by the School. In addition to the courses listed below, the following courses may be used towards any Professional Specialization Certificate if the topic is relevant to the particular specialization:

- ADMN 470: Contemporary Topics in Administration
- ADMN 490: Directed Studies

Cultural Sector Leadership

An on-campus orientation session may be required, in addition to the following courses:

ADMN 409	1.5
ADMN 437	1.5
ADMN 477	1.5
Plus, choice of one of:	
ADMN 421	1.5
ADMN 431	1.5
HA 488A	1.5
HA 488P	1.5
HA 488Q	1.5
HA 488R	1.5
HA 488M	1.5
or other 300- or 400-level course with approval of adviser.	

Local Government Management

Required: one of:

ADMN 312	1.5
or	
ADMN 423	1.5
Plus, choice of three of:	
ADMN 312 (if ADMN 423 chosen as required)	1.5
ADMN 422	1.5
ADMN 423 (if ADMN 312 chosen as required)	1.5
ADMN 445	1.5
ADMN 446	1.5
ADMN 448	1.5

ADMN 452	1.5
ADMN 465	1.5
Note: to meet the Provincial Board of Examiners requirements for the Certificates in Local Government Administration and Local Government Statutory Administration, students should take: ADMN 312, 445, 452, 465. ADMN 422 is also required for the Certificate in Local Government Executive Management.	

Performance Management

Required:

ADMN 437	1.5
Plus, choice of three of:	
ADMN 314	1.5
ADMN 407	1.5
ADMN 421	1.5
ADMN 477	1.5

Public Policy and Governance

Required:

ADMN 311	1.5
ADMN 420	1.5
or	
ADMN 465	1.5
Plus two of:	
ADMN 314	1.5
ADMN 422	1.5
ADMN 437	1.5
ADMN 477	1.5

Public Sector Management

Choice of four of:

ADMN 407	1.5
ADMN 421	1.5
ADMN 422	1.5
ADMN 437	1.5
ADMN 477	1.5

Voluntary and Non-Profit Sector Management

Required:

ADMN 409	1.5
ADMN 437	1.5
Plus, choice of two of:	
ADMN 407	1.5
ADMN 421	1.5
ADMN 477	1.5

Transfer Credit to the School's Diploma Programs

Upon admission to either the Diploma in Public Sector Management or the Diploma in Local Government Management Program, students who hold a Professional Specialization Certificate from the School may transfer up to four courses (6 units) into the DPSM or DLGM. Students may not duplicate courses already taken in the Certificate. The combined courses in a student's PSC and Diploma program must include all the required courses in the Diploma program.

MINOR IN PUBLIC ADMINISTRATION

The School of Public Administration offers a Minor in Public Administration to students enrolled in other undergraduate programs at UVic. The Minor in Public Administration will be awarded upon completion of six 1.5 unit courses (9 units). The minor will give students a range of topics relevant to the public and/or non-profit

sectors, including applied policy and public sector management. The program can be completed via distributed (distance) learning methods, but some courses are available on campus.

Program Requirements:

Three required courses (4.5 units):

ADMN 311	1.5
ADMN 312	1.5
and one of	
ADMN 420	1.5
ADMN 465	1.5
POLI 351	1.5
POLI 364	1.5

Note: An ADMN elective may be substituted for a policy course if a student uses POLI 351 or 364 towards a POLI major.

Three elective courses (4.5 units), selected from:

ADMN 310	1.5
ADMN 314	1.5
ADMN 316	1.5
ADMN 407	1.5
ADMN 409	1.5
ADMN 421	1.5
ADMN 422	1.5
ADMN 423	1.5
ADMN 431	1.5
ADMN 437	1.5
ADMN 445	1.5
ADMN 446	1.5
ADMN 470	1.5-3.0
ADMN 477	1.5
POLI 365	1.5
POLI 462	1.5

Co-OPERATIVE EDUCATION OPTION

Students registered in a Major that allows for a Public Administration Minor, and undertaking a Public Administration Minor, and also registered in the UVic Co-operative Education Program in their originating department, may, with permission from their originating Co-op program, elect to complete ONE work term through the School of Public Administration Co-op program. Students in this situation must have completed one of the following in order to be eligible for a Public Administration work term:

1. Successful completion of a registered Co-op work term in their originating Co-op program, OR
2. Completion of the UVic co-op curriculum, through either their originating Co-op program or the School of Public Administration Co-op program.

General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 46.

School of Social Work

Pamela Miller, BA (Maryhurst), MSW, PhD "Philosophy" (Indiana), PhD "Social Work" (Ohio), Professor and Director of the School of Social Work

Leslie Brown, BSW (Regina), MPA, PhD (Victoria), Associate Professor

Jeannine Carriere, BA (Alberta), BSW (Manitoba), MSW (UBC), PhD (Alberta), Associate Professor

Jacque Green, BSW, MPA, (Victoria), PhD Candidate (Victoria), Associate Professor

Donna Jeffery, BSc (Calgary), BSW (Calgary), MA, PhD (OISE/Toronto), Associate Professor

Patricia MacKenzie, BSc (Oklahoma Christian), MSW (British Columbia), PhD (Edinburgh), Associate Professor

Mehmoona Moosa-Mitha, BSW (Ryerson), MSW (McGill), PhD (Southampton), Associate Professor

Susan Strega, BSW (Manitoba), MSW (Victoria), PhD (Southampton), Associate Professor

Robina Thomas, BSW, MSW, PhD Candidate (Victoria), Associate Professor

Barbara Whittington, BA, MSW (British Columbia), Associate Professor

Catherine Richardson, BA, PDPP, MEd, PhD (Victoria), Assistant Professor

Barbara Waterfall, BA (St. Thomas/Fredricton) MSW (Carleton) PhD (OISE/Toronto), Assistant Professor

Yvonne Haist, BSW, MEd (Victoria), DipAdEd (British Columbia), Senior Instructor

Cheryl Moir-van Iersel, BSW (Calgary), MSW (British Columbia), Senior Instructor

Roberta Taylor, BSW, MSW (Victoria), DipAdEd (British Columbia), Senior Instructor

Emeritus

Andrew Armitage, BSc (London), BA (Canterbury), MSW (British Columbia), PhD (Bristol), Professor Emeritus

Marilyn J. Callahan, BA, BSW, MSW (British Columbia), PhD (Bristol), Professor Emeritus

John Cossom, BA (Western Ontario), BSW, MSW (Toronto), Associate Professor Emeritus

Andrew Farquharson, BA (Bishop's), MSW (McGill), MEd, EdD (Toronto), Professor Emeritus

Marjorie D. Martin, BA, BSW, MSW (British Columbia), Associate Professor Emeritus

David T. Turner, LLB (Sheffield), DipSW and Admin (Oxford), Associate Professor Emeritus

Brian Wharf, BA, BSW, MSW (British Columbia), PhD (Brandeis), Professor Emeritus

Visiting, Adjunct and Cross-listed Appointments

Lyn Davis, BA (Florida Atlantic), MA, PhD (Florida State) Adjunct Associate Professor

Barbara M. Herringer, BA (Alberta), BSW, MSW (British Columbia), PhD (Victoria), Adjunct Associate Professor

Marge Reitsma-Street, BSW (McMaster), MSW (McGill), PhD (Toronto), Adjunct Associate Professor

Michael Boyle, BA (Alberta), BSW, MSW (Calgary) Adjunct Assistant Professor

Elias Cheboud, BSW (Victoria), MSW (UBC), PhD (Victoria), Adjunct Assistant Professor

Margaret Kovach, BA, BSW (Regina), MSW (Carleton), PhD (Victoria), Adjunct Assistant Professor

Penny MacCourt, BA, MSW (Manitoba) PhD (Victoria), Adjunct Assistant Professor

June Preston, BA, MSW (Calgary), Adjunct Assistant Professor

Helen Wong, BSW, MSW (Victoria), Adjunct Assistant Professor

Lena Dominelli, BA (Simon Fraser), MA, PhD (Sussex), Visiting Scholar

Sessional Instructors

Cheryl Aro, BSW, MSW (Victoria)

Carolyn Anderson, MSW, PhD (Calgary)

Tracey Banks, BA (York), BSW (McMaster), MSW (Calgary)

Janette Champagne, BSW (Victoria), MSW (Dalhousie)

Patricia Devlin, BSW, MPA (Victoria)

Michelle Fairbairn, BSW, MSW (Manitoba)

Fred Ford, BA (Alberta), MRA (San Francisco), PhD Candidate (Victoria)

Maxine Gibson, BSW, MSW (Victoria)

David Hannis, BA (Exeter), MEd (Alberta), MSW (U.K.)

Sharon Hobenshield, BSW (Victoria), MEd (Simon Fraser)

Kristen Kvakic, BSW, MSW Candidate (Victoria)

Tracey Lavoie, BA, BSW, MSW (Manitoba)

Sui-May Lui, BA (Concordia), MSW (Brigham Young)

Penny MacCourt, BSW, MSW (Manitoba), PhD (Victoria)

Elizabeth Manning, BSW, MSW (Victoria)

Kirsten Mikkelsen, BSW, MA-IGOV (Victoria)

Rena Miller, BSW, MSW (Victoria)

Peter Monk, BSW (Victoria), MSW (British Columbia)

Todd Ormiston, BSW, MPA (Victoria), PhD Candidate (British Columbia)

Nancy Pike, BSW (Victoria), MSW (Dalhousie)

Gayle Ployer, BA (PEI), BSW (Windsor), MSW (Carleton)

Karen L. Potts, BA (Saskatchewan), BSW (Calgary), PhD Candidate (Victoria)

Glen Tadsen, BA (Simon Fraser), MSW (British Columbia)

Betty Taylor, BSW (Calgary), MSW (Carleton)

Kathleen Towne, BSc (Antioch, Ohio), MSW (Michigan)

Walene Whitaker, BA, MSW (UBC)

Administrative Staff

Cheryl Aro, BSW, MSW (Victoria), Indigenous Practicum Coordinator

Dora Leigh Bjornson, Program Director, Distance Education

Fairn Herising, BA (Trent), BSW (Victoria), MA Candidate (Victoria), Practicum Coordinator

Menno Hubregtse, BA (Sask) MA (Victoria), Program Assistant, Distance Education

Amanda Engen, BSW (Victoria), Indigenous Specialization Program Assistant

Michelle Osborne, BSW (Victoria), Admissions Coordinator

Nancy Pike, BSW (Victoria), MSW (Dalhousie), Practicum Coordinator

Wendy Seager, BA, MPA (Victoria), Academic Administrative Coordinator

Betty Taylor, BSW (Calgary), MSW (Carleton), Academic Adviser

GENERAL INFORMATION

Mission Statement

The emerging vision of the School of Social Work commits us to social justice and anti-racist, anti-oppressive social work practices, and to promoting critical enquiry that respects the diversity of knowing and being.

Our **educational** mission is to prepare generalist social work practitioners skilled in critical self-reflection and in working with individuals, families, groups and communities. In particular, we endeavour to prepare Indigenous social workers and child welfare practitioners and we emphasize structural, feminist, Indigenous and anti-oppressive analyses.

Our **scholarly** mission is to share and create collective knowledge and understanding through engaging in critical enquiry and by supporting research and innovative curriculum development at the undergraduate and graduate levels.

Our **practice** mission is to act on social justice issues through community change initiatives and anti-oppressive social work. Our political and social responsibility is to participate in and reflect community experiences in all our efforts to challenge oppressive societal structures.

In all our activities, we aspire to create a supportive environment that promotes equity, respect, responsibility, curiosity, collaboration, flexibility, risk taking and creativity. We support interdisciplinary collaboration. We seek to provide accessible and flexible social work education and we are committed to working across differences such as gender, age, race, ethnicity, class, ability and sexual orientation.

SOCIAL WORK PROGRAMS

Bachelor of Social Work

The School of Social Work offers a program of studies leading to the degree of Bachelor of Social Work (BSW) that is fully accredited by the Canadian Association for Social Work Education. Graduates are employed in a wide range of government and voluntary organizations such as family and children's services, residential care facilities, community centres, mental health clinics, home health care, hospitals, women's services, corrections and Indigenous social services.

Blended learning is the dominant approach to learning used at the School, which means that courses are taught through both web based delivery and face-to-face contact with students. Within this approach, students may elect to have most of their learning take place through a more traditional distance model where courses are accessed through web based delivery. Many students who live in other provinces elect this model of delivery for the flexibility and cost effective-



ness it affords them. A five day face-to-face session on campus is required of all students. Please note that online/distance courses are available only to students residing in Canada.

Alternatively, students may elect to come to campus for a more traditional campus based approach to learning, comprised of face-to-face sessions with some web based delivery. The addition of web enhanced learning complements the face-to-face sessions by allowing for a deeper reflection of topics through web based discussion. The School works with students to facilitate completion of field placements in geographic areas of their choice, where feasible.

All students admitted to the BSW program or taking social work courses must have computer and internet access for the duration of their program of studies in order to participate in web based learning, and for program administration purposes. Students require a UVic Netlink ID with a UVic e-mail address. A high speed internet connection is highly recommended for students participating in web-mediated courses.

The School has the same expectation for participation in web based learning activities as they have for participation in face-to-face learning activities. An 80% attendance level is required for a student's "presence" in web based learning, as it is for a student's presence in face-to-face based learning.

BSW Specializations

Students may elect to choose one of the Specializations offered in the Social Work program. All students receive BSW degrees, and, for those students who complete a Specialization, the Specialization will be noted on the student's transcript only.

Indigenous Social Work Specialization

This specialization is a concentration within the BSW program and provides opportunities for Indigenous BSW students to focus their undergraduate program on preparing for leadership roles as helpers and healers in Indigenous communities and various Indigenous organizations. Students will co-create learning environments with other Indigenous students and faculty in the School.

The intent of this specialization is to provide Indigenous students an opportunity to develop helping and healing practice frameworks that centralize Indigenous knowledges, peoples, nations and communities. All courses are offered on campus and by distance education.

Admission to the specialization is limited to Indigenous students of North America.

Child Welfare Specialization

This specialization is intended to prepare students for child welfare work, with an emphasis on protection work in government and other mandated child welfare settings. A non-child protection option is available for students who do not intend to practise in mandated settings after graduation.

Indigenous (Child Welfare) Specialization

The intent of this specialization is similar to the Indigenous Specialization with an emphasis on the well-being of Indigenous children, families and communities. Admission to the specialization is limited to Indigenous students of North America.

SCHOOL ADMISSION REQUIREMENTS

Application packages are available on the School of Social Work website at the beginning of November each year. The deadline for application submission is January 15 for both the May and September entry points. Official transcripts must be received prior to the January 31st document deadline.

In addition to choosing either the May or September entry points, applicants must also select how they would like to complete their studies: on-campus blended learning or by distance education. Those students applying to distance education must attend a mandatory five day face-to-face component as part of SOCW 312.

Admission to the BSW program requires:

1. Completion of a minimum of the first two years (30 units) of an undergraduate program at UVic, with an overall average of at least 3.5 (on the UVic 9.0 point scale) or better, or the equivalent at another university or community college on the last 12 units of university-transfer course work.
2. Within the required 30 units, completion of SOCW 200A and 200B or their equivalents. 24 units should be completed from within general education liberal arts subject areas.
3. For the May entry point only, applicants will be considered for admission with no less than 27 units of credit. Students admitted for May should be aware that they are required to have completed 30 units of credit, including SOCW 200A and SOCW 200B, prior to September of their year of admission; otherwise they may be required to withdraw from the School.

Students are also required to meet UVic's English Requirement for Undergraduates (see page 29).

The number of applicants admitted will depend on the resources available to the School and the number of qualified applicants. An initial screening for admission will be based on sufficient number of units and grade point average as stated above. Provided applicants meet these criteria, they will be evaluated for admission to the School of Social Work based on grade point average, experience summary, and personal statement.

Transfer Credit for Social Service Certificate or Diploma Students

Students who have completed a social services certificate or diploma program at a college may be eligible to receive discretionary credit from the School. This is normally 3 units for a completed certificate (1 year in length with at least 1 practicum), and 6 units for a completed diploma (2 or 3 years in length with at least 2 practicums). University transfer courses will be calculated separately.

SCHOOL ACADEMIC REGULATIONS

Academic Performance

Students in the School of Social Work must maintain a sessional GPA of 3.5 in both third and fourth years; otherwise they may be required to withdraw from the School. Students are required to follow the Guidelines for Professional Conduct, page 120, and may be required

to withdraw from the School for violating these provisions.

Availability of Courses to Students Outside the School

Some third- and fourth-year courses may be taken by students not admitted to the School, with the permission of the Director, if space permits. Students are required to make a written request to the BSW Admissions Coordinator to be considered for such courses. Students may be permitted to take up to 3 units of Social Work courses. Prerequisites are completion of 30 units of credit including SOCW 200A and 200B.

Practica

Students are referred to page 120 for regulations concerning practica. The School requires that students adhere to the BCASW Code of Ethics.

Students may be required to complete their practica in an agency requiring a criminal record check as part of its screening process.

Prior Learning Assessment

Students admitted to the program who have significant social work or social justice experience may be eligible for Prior Learning Assessment for the first practicum. Initial inquiries about eligibility for PLA should be directed to the Field Education Co-ordinators at the School of Social Work. The Director will make the final decision regarding eligibility.

Minor

Students registered in a degree program in the Faculty of Human and Social Development may declare a Minor program in another faculty with written permission from their school and the department offering the Minor, and the Deans of the respective faculties. The Minor will be added to the student's academic record upon completion of program requirements in Human and Social Development and the general degree requirements in the other faculty.

PROGRAM REQUIREMENTS

Minimum Degree Requirements

Candidates for the BSW degree must meet the minimum degree requirements for a bachelor's degree outlined on page 40. Students should note in particular the Undergraduate English Requirement, page 29. Students entering the BSW program can transfer in up to 33 units of previous credit, of which a maximum of 6.0 units can be senior Social Work and HSD courses.

BSW degree students should have a minimum of 24 units of liberal arts/social sciences/humanities courses to fulfill program requirements.

Practicum Requirement

Students should be aware that two practicum courses are required in order to complete the course of study for a BSW.

Students in the Child Welfare Specialization should note they must contact the School of Social Work at least one term in advance of registration for their practicum placement (SOCW 404) in order to meet Ministry guidelines. Exceptions may be granted with permission from the Director.

Course Requirements: First and Second Years

SOCW 200A and 200B are required for entry into the BSW program. It is recommended that potential BSW applicants complete SOCW 200A and 200B prior to applying to the program; however, SOCW 200A and 200B are not required to be completed or in progress at the time of BSW application.

In addition to SOCW 200A and 200B, students are advised to take a variety of courses in the liberal arts, social sciences and humanities.

Course Requirements: Third and Fourth Years

A minimum of 27 units must be third- or fourth-year Social Work courses (includes HSD courses, except HSD 425).

Non-Social Work electives may include any UVic courses at any year level, including English, if required.

Prerequisites for all Social Work courses: 30 units including SOCW 200A and 200B. See the course descriptions for pre- or corequisite of Social Work courses.

Third and Fourth Years – Standard BSW

Third Year	
SOCW 311* (formerly part of SOCW 323).....	1.5
SOCW 312* (formerly part of SOCW 323).....	1.5
SOCW 319* (formerly part of SOCW 318).....	1.5
SOCW 304 or 304A	3.0
SOCW 350A	1.5
SOCW 354.....	1.5
SOCW 356.....	1.5
Elective ¹	3.0
Total units:	15.0

Fourth Year	
SOCW 402.....	4.5
SOCW 413* (formerly part of SOCW 323).....	1.5
SOCW 451.....	1.5
Electives ²	7.5
Total units:	15.0
Total units for third and fourth years:	30.0
Total units for the program:	60.0

** Students admitted to the School of Social Work prior to September 2009 may take SOCW 323 in lieu of SOCW 311, 312, and 413. Students who take SOCW 323 cannot receive credit for SOCW 311, 312, or 413.*

1. General elective (if required).

2. Third and fourth year Social Work and/or HSD electives.

Third and Fourth Years: Indigenous Social Work Specialization

One practicum (either SOCW 304 or 402) must focus on Indigenous social work.

Third Year	
SOCW 311* (formerly part of SOCW 323).....	1.5
SOCW 312* (formerly part of SOCW 323).....	1.5
SOCW 319* (formerly part of SOCW 318).....	1.5
SOCW 304 or 304A	3.0
SOCW 350A	1.5
SOCW 354.....	1.5

SOCW 356.....	1.5
SOCW 391.....	1.5
Elective ¹	1.5
Total units:	15.0

Fourth Year	
SOCW 402.....	4.5
SOCW 413* (formerly part of SOCW 323).....	1.5
SOCW 451.....	1.5
SOCW 491.....	1.5
SOCW 492.....	1.5
Electives ²	3.0
Elective ¹	1.5
Total units:	15.0
Total units for third and fourth years:	30.0
Total units for the program:	60.0

** Students admitted to the School of Social Work prior to September 2009 may take SOCW 323 in lieu of SOCW 311, 312, and 413. Students who take SOCW 323 cannot receive credit for SOCW 311, 312, or 413.*

1. General elective (if required).

2. Third or fourth year SOCW or HSD elective.

Third and Fourth Years: Child Welfare Specialization

The fourth-year practicum will take place in an approved child welfare setting (BC Ministry of Children and Family Development, Indigenous child welfare agency, an approved government agency in another province).

See SOCW 404 or 404A course descriptions for pre- and corequisites.

Third Year	
SOCW 311* (formerly part of SOCW 323).....	1.5
SOCW 312* (formerly part of SOCW 323).....	1.5
SOCW 319* (formerly part of SOCW 318).....	1.5
SOCW 304 or 304A	3.0
SOCW 350A	1.5
SOCW 350B	1.5
SOCW 354.....	1.5
SOCW 356.....	1.5
Elective ¹	1.5
Total units:	15.0

Fourth Year	
SOCW 404 or 404A	4.5
SOCW 413* (formerly part of SOCW 323).....	1.5
SOCW 451.....	1.5
SOCW 469.....	1.5
SOCW 475.....	1.5
SOCW 476.....	1.5
SOCW 471 or HSD 462 (formerly SOCW 479) ..	1.5
Elective ¹	1.5
Total units:	15.0
Total units for third and fourth years:	30.0
Total units for the program:	60.0

** Students admitted to the School of Social Work prior to September 2009 may take SOCW 323 in lieu of SOCW 311, 312, and 413. Students who take SOCW 323 cannot receive credit for SOCW 311, 312, or 413.*

1. General elective (if required).

Third and Fourth Years: Indigenous Child Welfare Social Work Specialization

Fourth-year practicum must be in an approved Indigenous Child Welfare Agency.

See SOCW 404 or 404A course descriptions for pre- and corequisites.

Third Year	
SOCW 311* (formerly part of SOCW 323).....	1.5
SOCW 312* (formerly part of SOCW 323).....	1.5
SOCW 319* (formerly part of SOCW 318).....	1.5
SOCW 304 or 304A	3.0
SOCW 350A	1.5
SOCW 354.....	1.5
SOCW 356.....	1.5
SOCW 391.....	1.5
Elective ²	1.5
Total units:	15.0

Fourth Year	
SOCW 350B	1.5
SOCW 404 or 404A	4.5
SOCW 413* (formerly part of SOCW 323).....	1.5
SOCW 451.....	1.5
SOCW 491.....	1.5
SOCW 492.....	1.5
Elective ¹	3.0
Total units:	15.0
Total units for third and fourth years:	30.0
Total units for the program:	60.0

** Students admitted to the School of Social Work prior to September 2009 may take SOCW 323 in lieu of SOCW 311, 312, and 413. Students who take SOCW 323 cannot receive credit for SOCW 311, 312, or 413.*

1. General elective (if required).

2. Third or fourth year SOCW or HSD elective.

Faculty of Humanities

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The Faculty of Humanities comprises the Departments of English, French, Germanic and Slavic Studies, Greek and Roman Studies, Hispanic and Italian Studies, History, Linguistics, Medieval Studies, Pacific and Asian Studies, Philosophy and Women's Studies. The many disciplines in the Humanities foster knowledge of history, philosophy, language, literature, culture, society and the arts, often in international contexts. By developing students' skills in critical enquiry, research and communication, programs in the Humanities provide excellent preparation for many careers as well as advanced academic study.

Faculty Administrative Officers:

Andrew Rippin, BA (Toronto), MA, PhD (McGill), FRSC, Dean of Humanities

Sikata Banerjee, BA (Dartmouth), MA (Drew), PhD (Wash), Associate Dean

Amelia Santos, Administrative Officer

Timothy S. Haskett, BA, MA, PhD (Tor), Director of Academic Advising

Sabrina Jackson, BA (Hons), MA (UVic), Administrative Officer

General Information

DEGREES AND PROGRAMS OFFERED

The Faculty of Humanities offers programs of varying levels of specialization leading to the degree of Bachelor of Arts (BA).

The faculty also offers programs leading to the degree of Bachelor of Science (BSc) through the Department of Linguistics.

- The Honours Program involves a high level of specialization in one discipline, and requires from 18 to 24 units of credit in that discipline at the 300 or 400 level.
- The Major Program requires 15 units at the 300 or 400 level.
- The General Program requires 9 units of 300 or 400 level credits in each of two disciplines.

The faculty also offers Double Honours, the Joint Honours and Major program, and the Double Major program.

A student may also combine a program offered in the Faculty of Humanities with a program offered in another faculty. See Interfaculty Program, page 143.

ACADEMIC ADVICE AND PROGRAM PLANNING

Advising Officers

Gillian M. Chamberlin, BA (UVic)

Denise J. Chan

Beth Christopher

Kelly Colby, BA (Whitman), MA (Ithaca)

Joyce Gutensohn, BA (Hons), MA (UVic)

Lori S. Olson, BSc, MPA (UVic)

Patricia Perkins, BSc (UVic)

Advising Assistants

Lara Hannaford

Eleanor Lagrosa

Judy Macquarrie

Advice about the Faculty of Humanities is available through the Academic Advising Centre, A205, University Centre.

In addition, each department has one or more advisers who can provide information about courses and programs in that department.

Students who require advice during the summer months should contact the department concerned for an appointment with an adviser.

Students who may eventually go on to graduate studies should consult faculty members in their department before deciding whether to pursue an Honours or Major program.

Students who plan to enter the Faculty of Education from the Faculty of Humanities should seek advice from the Education Advising Centre.

AVAILABILITY OF COURSES TO STUDENTS IN OTHER FACULTIES

Students in other faculties may register in any section of any course offered in the Faculty of Humanities, so long as prerequisites have been met. Individual departments may limit enrolment in required courses to those taking Honours or Major Programs, or to students who require them to complete their programs.

LIMITATION OF ENROLMENT

Admission to UVic and the Faculty of Humanities is not a guarantee of placement in particular programs or courses. Departments may limit enrolment for a variety of reasons, and admission requirements may be raised.

Academic Regulations

ADMISSION TO THE FACULTY

The requirements for admission to the Faculty of Humanities are presented on page 24.

CREDIT FOR COURSES OFFERED BY OTHER FACULTIES OR INSTITUTIONS

Courses Offered by Other UVic Faculties

All courses in other faculties are acceptable for elective credit in the Faculty of Humanities, if the regulations of the department offering the courses permit and prerequisites are met.

Substitution of Elective Credit for Required Courses

With the consent of the department offering the student's degree and with the permission of the Director of Academic Advising, students may substitute up to 3 units of 300 or 400 level elective credit for required courses at the 300 or 400 level in Faculty of Humanities degree programs.

Students should review individual department entries for information on the use or substitution of elective credit.

Courses in Other Institutions

A student who has been admitted to the faculty may not take courses at another institution for credit towards a degree program offered in the faculty without the prior written approval, in the form of a Letter of Permission, of the Director of Academic Advising. To be eligible for a Letter of Permission, a student must have completed or be registered in no fewer than 6.0 units at the University of Victoria.

Students are solely responsible for checking the University of Victoria credit for courses to be

Faculty of Humanities Programs

	BA			BSc		Minor	Co-op Option
	Honours	Major	General	Honours	Major		
Departmental Programs							
English	•	•	•			•	•
French	•	•	•			•	•
Germanic & Slavic Studies	•	•	•			•	•
Greek & Roman Studies	•	•	•			•	•
Hispanic & Italian Studies	•	•	•			•	•
History	•	•	•			•	•
Latin America Studies	•	•	•			•	
Linguistics	•	•	•	•	•	•	•
Medieval Studies	•	•	•			•	•
Pacific & Asian Studies	•	•	•			•	•
Philosophy	•	•	•			•	•
Professional Writing (English)						•	•
Religious Studies	•	•	•			•	
Women's Studies	•	•	•			•	•
Interdisciplinary Programs							
Applied Ethics ¹						•	
Arts of Canada ²			•			•	
European Studies ³						•	
Film Studies ²			•			•	
Indigenous Studies ⁴			•			•	
Social Justice Studies ⁵						•	
Diploma Programs							
Diploma in Applied Linguistics							•
Diploma in Canadian Studies ⁶							
Diploma in Humanities ⁷							
Diploma in Intercultural Education and Training ⁸							
1. Offered jointly with the Faculty of Human and Social Development.							
2. Offered jointly with the Faculty of Fine Arts.							
3. Offered jointly with the Faculties of Fine Arts and Social Sciences.							
4. Offered jointly with the Faculty of Social Sciences.							
5. Offered jointly with the Faculties of Human and Social Development and Social Sciences.							
6. Offered jointly with the Faculties of Fine Arts and Social Sciences, and the Division of Continuing Studies.							
7. Offered jointly with the Division of Continuing Studies.							
8. Offered jointly with the Faculties of Education and the Division of Continuing Studies.							



taken elsewhere, prior to registration, to make sure that there will be no duplication of course credit already received (see also Duplicate and Mutually Exclusive Courses, page 32).

Students are responsible for ensuring that the transcripts for all course work undertaken at other institutions are sent to Undergraduate Records at UVic.

Candidates for a bachelor's degree must normally complete at UVic a minimum of 30 units at the 100 level or above, including at least 18 of the minimum 21 upper-level units required for all degree programs. Students may take at another institution:

- no more than 6 of the 18 to 24 upper-level units required for the Honours Program
- no more than 3 of the 15 upper-level units required for the Major Program
- no more than 3 of the 9 upper-level units required in each area of the General program
- no more than 3 of the 9 upper-level units required for a Minor

LIMIT ON THE NUMBER OF DEGREES AWARDED

A student proceeding towards a BA or BSc degree in a Double Honours, Joint Honours and Major, Double Major, Combined Major, Interfaculty or General Program may receive no more than one degree upon completion of any of these programs. Students seeking a second bachelor's degree should refer to Second Bachelor's Degree, page 40.

GRADUATION

Once a degree, diploma or certificate has been awarded by the University Senate, no change can be made to the programs that constitute that credential (see "Application for Graduation", page 39).

DECLARING A PROGRAM

All students continuing in the faculty must declare a program by filing a Record of Degree Program (RDP) with the Academic Advising Centre prior to graduation. If a degree program has been chosen and program entry requirements satisfied, students may file an RDP once they have attained second-year standing (credit for at least 12 units of course work) and should do so once they have attained third-year standing (credit for at least 27 units of course work). The purpose of this RDP is to ensure that proposed courses will meet the requirements of the selected program. Any subsequent change to a declared program also must be filed with the Academic Advising Centre.

Students who have not satisfied the University English Requirement must do so before they declare their program.

The RDP is approved in writing by the Academic Advising Centre and, in the case of students who wish to pursue an Honours Program, by the department(s) concerned. Students who satisfactorily complete the program of courses set out in the RDP with the required grades are normally recommended for the degree.

Students who do not have an RDP approved, or who follow a program different from that set out in the approved RDP, may not be eligible to graduate.

Note: Students should be aware that limitations may apply to proposed combinations of the following: concurrent degree programs, degree/diploma combinations and degree/minor options.

GUIDELINES FOR ETHICAL CONDUCT

The Faculty of Humanities expects students to adhere to a code of ethical conduct. The faculty supports models of ethical conduct based on the following guidelines:

- exercise of personal discipline, accountability and judgement
- acceptance of personal responsibility for continued competency and learning
- the duty to recognize the dignity and worth of all persons in any level of society
- the duty to recognize one's own limitations
- maintenance of confidentiality of information appropriate to the purposes and trust given when that information was acquired

REGULATIONS CONCERNING PRACTICA

General

The faculty reserves the right to approve any institution that provides placements for student practica, and to change any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any change in placement.

Attendance

Attendance at practicum activities is required. Students are expected to notify the host institution whenever practicum appointments cannot be kept, and also to inform the course instructor.

Denial and Withdrawal

Practicum Denial

Teachers or administrators who refuse a student's continued participation in a practicum for misconduct or repeated absences, or where the educational progress of the institution's students is in jeopardy, must immediately discuss the matter with the Chair of the department. The Chair will then either inform the student of the conditions under which he or she may resume participation in the practicum or require the student to withdraw from the practicum and inform the student in writing of the reasons. Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by their instructors and by the Chair of the department in the Faculty of Humanities.

Temporary Withdrawal of Students Pending Report

The Chair may require a student to withdraw temporarily from a practicum if, during the course of a term, there are reasonable grounds to believe that the conduct or lack of competence of a student enrolled in the practicum has adversely affected or may adversely affect:

- students or clients, or
- personnel, including students associated with the practicum

The student will be required to withdraw temporarily pending the receipt of a report on the conduct and lack of competence of the student.

Required Withdrawal

After giving the student an opportunity to be heard, the Chair may require a student to withdraw from the practicum if the Chair is satisfied that the student's conduct or lack of competence may adversely affect members of any of the groups identified in the paragraph above.

Voluntary Withdrawal

Students seeking voluntary withdrawal from a practicum, whether permanent or temporary, must receive permission to do so from their faculty supervisor in the department.

Notification of Records Services

Students who withdraw temporarily from a practicum must notify Records Services in writing. Students who are required to withdraw from a practicum will be withdrawn from any course involved by written notification from the Chair to Records Services.

Appeals

The normal avenues of final appeal, page 40, are available to students who have been required to withdraw from a practicum, at every stage of the process. Students in the Faculty of Humanities may follow regular appeal procedures within the faculty.

Faculty Program Requirements

REQUIREMENTS COMMON TO ALL BACHELOR'S DEGREES

Each candidate for a bachelor's degree is required to include, in the first 30 units presented for the degree:

1. a maximum of 15 units in one of the following areas of study:
 - Applied Linguistics
 - Canadian Studies
 - Chinese Studies
 - English
 - French
 - Germanic Studies
 - Greek and Latin Language and Literature
 - Greek and Roman Studies
 - Hispanic Studies
 - History
 - Indigenous Studies
 - Italian Studies
 - Japanese Studies
 - Latin American Studies
 - Linguistics
 - Mathematics¹
 - Medieval Studies
 - Mediterranean Studies
 - Pacific and Asian Studies
 - Philosophy
 - Religious Studies
 - Russian
 - Southeast Asian Studies
 - Statistics¹
 - Women's Studies

Each candidate for a bachelor's degree is also required:

2. to include at least 1.5 units from each of two other areas of study in the above list
3. to take at least 6 units outside the Faculty of Humanities
4. to include in the remaining units presented for the degree at least 21 units of courses numbered at the 300 or 400 level, at least 18 of which must be taken at UVic
5. to present credit in a minimum of 60 units of courses, at least 30 of which must normally be completed at UVic
6. to have completed the Undergraduate English Requirement, page 29

1. See *BA in Mathematics or Statistics*, page 143.

HONOURS PROGRAM

The Honours Program requires specialization in one or more disciplines in the last two or three years of a degree program and is intended for students of higher academic achievement. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

Admission to an Honours Program

Admission to an Honours Program is restricted to students who have satisfied the prerequisites and met the minimum GPA specified by the department(s) concerned, and who are judged by the department(s) to have the ability to complete the Honours Program. A student who wishes to be considered for admission to an Honours Program should apply to the Chair or Honours Adviser of the department (approval from both departments is required for admission to Combined Honours programs).

Requirements of the Honours Program

A student in an Honours Program must satisfy the requirements common to all bachelor's degrees in the Faculty of Humanities, listed above.

Each department has its own requirements for its Honours Programs, which are specified in individual department entries elsewhere in the Calendar. Of the 300- and 400-level course units specified by the department concerned, not more than 6 may be taken at another acceptable post-secondary institution, and then only with the prior approval of the department's Honours Adviser.

Continuation in an Honours Program requires satisfactory performance as dictated by the department. If, in the opinion of the department, a student's work at any time is not of Honours standard, the student may be required to transfer to a Major or General program.

Normally, a student should complete the requirements for an Honours Program in four academic years (five years for those students enrolled in the Co-operative Education Program). Students who are undertaking a degree on a part-time basis, and who wish to be considered as candidates for Honours, should discuss the options with the department(s) concerned.

Honours Programs

Applied Linguistics
English
French
Germanic Studies

Greek and Latin Language and Literature
Greek and Roman Studies
Hispanic Studies
History
Latin American Studies (Language and Literature or multi-disciplinary)
Linguistics (BA and BSc)
Mathematics
Medieval Studies
Pacific and Asian Studies
Philosophy
Statistics
Women's Studies

Combined Honours Programs

Combined English Honours and Medieval Studies Minor

Double Honours Program

With the joint approval of the departments concerned, a student may be permitted to meet the requirements for an Honours Program in each of two departments in the Faculty of Humanities.

The degree received will be a BA, unless one of the two programs followed leads to a BSc in Linguistics, in which case the student will have the option of receiving a BA or a BSc degree, depending on which of the two programs is listed first.

Interfaculty Double Honours Program

If a student elects to complete an Honours Program in the Faculty of Humanities and a second Honours Program in another faculty, with one program leading to a BA and the other leading to a BSc, the program leading to the degree selected (BA or BSc) must be listed first on the student's Curriculum Advising and Program Planning (CAPP) form. If the second department listed offers both a BA Honours Program and a BSc Honours Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Students completing an Interfaculty program will be subject to the regulations of the faculty in which they are registered.

Joint Honours and Major Program

A student may elect to complete an Honours Program in one area of study together with a Major Program in another area of study, both within the Faculty of Humanities. The Honours Program will be listed first on the student's Curriculum Advising and Program Planning (CAPP) form.

The degree received will be a BA, unless the Honours Program followed leads to a BSc in Linguistics, in which case the degree will be a BSc.

Interfaculty Joint Honours and Major Program

A student may elect to complete an Honours Program in one faculty together with a Major Program in another faculty. The Honours Program will be listed first on the student's Curriculum Advising and Program Planning (CAPP) form, and students will be subject to the regulations of the faculty in which they are registered.

If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a

BSc, depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

MAJOR PROGRAM

The Major Program requires specialization in one discipline in the last two years of a degree program and may permit a student to proceed to graduate study if sufficiently high standing is obtained. The Major Program generally is also a good preparation for a professional or business career.

Requirements of the Major Program

A student in a Major Program must satisfy the requirements common to all bachelor's degrees in the Faculty of Humanities, listed above.

Each department has its own requirements for its Major Programs, which include the specification of 15 units, and not more than 15 units, of 300- and 400-level course work. At least 12 of these 15 units must be completed at UVic. A department may also specify and require up to 9 units of courses offered by other departments at the 300 or 400 level.

Major Programs

Applied Linguistics
English
French
Germanic Studies
Greek and Latin Language and Literature
Greek and Roman Studies
Hispanic Studies
History
Italian Studies
Latin American Studies (Language and Literature or multi-disciplinary)
Linguistics (BA and BSc)
Mathematics
Medieval Studies
Mediterranean Studies
Pacific and Asian Studies
Philosophy
Religious Studies
Russian
Statistics
Women's Studies

Combined Major Programs

Combined Major in English and French (Canadian Literature)
Combined Major in Hispanic and Italian Studies

Double Major Program

A student may complete the requirements for a Major Program in each of two disciplines in the Faculty of Humanities.

The degree received will be a BA, unless one of the two programs followed leads to a BSc in Linguistics, in which case the student will have the option of receiving a BA or a BSc degree, depending on which of the two programs is listed first.

Combined Major with a Major Program

A student can complete one of the Combined Major Programs listed above with another Major Program (in this faculty or in another faculty), but the discipline of the Major Program must not be either of the disciplines of the Combined Major Program.

Interfaculty Program

A student may elect to complete an Interfaculty Double Major or a Joint Honours and Major Program. In a Double Major Program, if one of the two departments concerned offers both a BA Major Program and a BSc Major Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

In a Joint Honours and Major Program, the Honours Program will be listed first on the student's Curriculum Advising and Program Planning (CAPP) form, and students will be subject to the regulations of the faculty in which they are registered. If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

BA or BSc Major in Environmental Studies

A Major Program in Environmental Studies can only be taken as the second component of a Double Major or Joint Honours and Major Program.

BA in Mathematics or Statistics

Students who wish to obtain a BA in Mathematics or Statistics should register in either the Faculty of Humanities or the Faculty of Social Sciences, and complete the requirements common to all bachelor's degrees in that faculty.

GENERAL PROGRAM

The General Program provides students with the opportunity to study broadly in two disciplines in the last two years of a degree program. It is not intended to prepare students for graduate study, although some graduate schools may accept graduates of a General Program if they have achieved sufficiently high standing.

Requirements of the General Program

A student in a General Program must satisfy the requirements common to all bachelor's degrees in the designated faculty determined by the first subject area listed on the Curriculum Advising and Program Planning (CAPP) form.

The General Program requires:

- Completion of 9 units of course work at the 300 and 400 level in each of the two disciplines, as specified in the General Program requirements of the departments concerned
- At least 6 of the 9 units in each discipline must be completed at UVic

A student may complete a General Program in any two of the following or by completing one of the following and one of the Generals offered in

another faculty. The degree awarded will be a BA.

Chinese Studies
English
French
Germanic Studies
Greek and Roman Studies
Hispanic Studies
History
Italian Studies
Japanese Studies
Latin American Studies
Linguistics
Medieval Studies
Mediterranean Studies
Pacific and Asian Studies
Philosophy
Religious Studies
Russian
Southeast Asian Studies
Women's Studies

A student may also complete a General Program that combines one of the above disciplines/areas of study with one of the following. The degree awarded will be a BA.

Arts of Canada (see page 220)
Film Studies (see page 220)
Indigenous Studies (see page 221)
Music (see page 111)
Professional Writing in Journalism and Publishing (see page 116)

MINOR PROGRAM

A Minor is an optional program that allows students to study in an area outside their Honours, Major or General Program areas. Requirements vary and are specified in the Minor requirements of the department concerned. Where not specified, the requirements for a Minor follow the requirements for the department General Program in one area only.

- No more than 3 units of the 300- and 400-level course work required for the Minor can be taken elsewhere, and at least 6 of the units required for the Minor must be completed at UVic.
- If the Minor requires 9 units of 300- and 400-level course work, these 9 units cannot form part of the 300- and 400-level department requirements for a student's Honours or Major Program. Corequisite courses in other programs may be counted toward the Minor.
- If the Minor requires less than 9 units of 300- and 400-level course work, no courses at the 300 or 400 level can form part of the requirements for a student's Honours, Major or General Program or Option. Required or corequisite courses at the 200 level or higher in other programs or options may not be counted toward the Minor.

Only one Minor can be declared on a student's program.

In addition to department Minors, the following Minors are offered:

Interdisciplinary Minors

Applied Ethics (see page 222)
Arts of Canada Program (see page 220)

European Studies (see page 221)

Film Studies (see page 220)

Human Dimensions of Climate Change (see page 223)

Indigenous Studies (see page 221)

Social Justice Studies (see page 223)

Student-Designed Minor

Students may undertake an interdisciplinary Minor that is not listed in the Calendar. In addition to the requirements of the Minors listed above, this student-designed Minor must:

- include courses from at least two departments, with a minimum of 3 units from each department
- consist of courses taken only at UVic
- have structure, coherence and theme; it cannot consist of unrelated courses
- be approved by the Chair/Adviser of the departments concerned
- be approved by the Director of Academic Advising of Humanities, Science and Social Sciences
- be declared by the end of the student's third year

Students must discuss their proposed Student-Designed Minor with department Chairs/Advisers before submitting their request to the Director of Academic Advising. The Student-Designed Interdisciplinary Minor form is available from the Academic Advising Centre, A205, University Centre.

HUMANITIES, FINE ARTS AND PROFESSIONAL WRITING CO-OPERATIVE EDUCATION PROGRAM

Don Bailey, BA (UNB), MEd (UBC), Coordinator

The Humanities, Fine Arts and Professional Writing Co-operative Education Program is a year-round program which, through work terms of employment in a variety of organizations, enables students to combine work experience with an education in the Fine Arts and/or Humanities.

Applications and further information about the Humanities, Fine Arts and Professional Writing Co-operative Education Program are available from the Co-op Coordinator, Room D128, Clearview building.

Program Requirements

Any student registered in a BA, BFA, BSc, BMus, MA, MFA or PhD degree in the Faculty of Fine Arts or the Faculty of Humanities or registered in the Cultural Resource Management Program, the Intercultural Education and Training Program, the English Minor in Professional Writing, the Minor in Professional Writing in Journalism and Publishing, or the Diploma Program in Intercultural Education and Training will be admitted to the Humanities, Fine Arts and Professional Writing Co-operative Education Program. Prior to seeking their first co-op work term, students must:

1. be registered in a full course load (at least 6 units of course work per term)
2. have achieved at least a 5.0 GPA in a full course load in the previous term
3. complete satisfactorily the Work Term Preparation Seminars

4. submit an acceptable résumé and cover letter stating their co-op goals

To continue in the program, a student must:

1. be enrolled full time in a program leading to a BA, BFA, BSc, BMus, MA, MFA or PhD degree in a discipline offered in the Faculty of Humanities or the Faculty of Fine Arts or a Diploma in the Cultural Resource Management Program, the English Minor in Professional Writing in Journalism and Publishing, or the Diploma Program in Intercultural Education and Training

2. maintain a GPA of at least 5.5 in the courses in the degree area

3. maintain a GPA of at least 5.0 overall

To receive the Co-op notation upon graduation, undergraduate students must perform satisfactorily in each of the required work terms.

The Humanities, Fine Arts and Professional Writing Co-op Program is designed to provide students with an academic background and certain skills appropriate to a wide range of careers. In particular, students will be required to select a program of studies intended to ensure they are:

- capable of using appropriate computer technology
- capable of conducting project-based research
- capable of clear and precise oral and written communication in English and, where appropriate, a second language
- aware of the cultural, historical, social, political or economic context pertaining to their course of study

General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 46. Students are advised that a Co-op Education Program fee is charged.

Department of English

Kim Blank, BA (S Fraser), MA (Wales), PhD (Southampton), Professor

Evelyn M. Copley, BA (BYU), MA, PhD (Brit Col), Professor

Misao Anne Dean, BA, MA (Car), PhD (Queen's), Professor

Arnold Keller, BA (George Williams), MA (Claremont), MA, PhD (Con), Professor

Robert Miles, B.A. (SFU), M.Phil. (London), PhD (Sheffield), Professor and Chair of the Department.

Michael Nowlin, BA (UWO), MA (Toronto), PhD (Calif-LA), Professor

Ray Siemens, BA (Waterloo), MA (Alta), PhD (UBC), CRC Humanities Computing and Professor

Lisa A. Surridge, BA (Queen's), MA, PhD (Tor), Professor

John J. Tucker, BA, MA (Tor), BLitt (Oxon), PhD (Tor), Professor

Luke Carson, BA (McG), MA, PhD (Calif-LA), Associate Professor

Alison Chapman, M.A. (Oxford), PhD (Glasgow), Associate Professor

James A. Dopp, BA (W Laurier), MA (UVic), PhD (York), Associate Professor

Christopher D. Douglas, BA (UBC), MA, PhD (Toronto), Associate Professor

Gordon D. Fulton, BA (Tor), MA, PhD (Lond), Associate Professor

Elizabeth Grove-White, BA (Dublin), PhD (Trinity), Associate Professor

Iain Higgins, BA, MA (Brit Col), PhD (Harvard), Associate Professor

Gary Kuchar, BA (Winn), MA, PhD (McM), Associate Professor

Eric Miller, BA (Tor), MA, PhD (Virginia), Associate Professor

Judith I. Mitchell, BA, MA, (Sask), PhD (Alta), Associate Professor

Sheila M. Rabillard, BA (Queen's), BEd (W Ont), MA (Queen's), PhD (Prin), Associate Professor

Stephen Ross, BA (SFU), MA, PhD (Queen's), Associate Professor

Nicholas Bradley, BA (UBC), PhD (Toronto), Assistant Professor

Janelle A. Jenstad, BA (UVic), MA, PhD (Queen's), Assistant Professor

Magdalena Kay, BA (Harvard), PhD (Calif-Berkeley), Assistant Professor

Erin E. Kelly, BA (American U.), MA, PhD (U of Maryland), Assistant Professor

Mary Elizabeth Leighton, BA (Trent), MA (Guelph), PhD (Alta), Assistant Professor

J. Allan Mitchell, BA (UVic), MA, PhD (Dalhousie), Assistant Professor

Lincoln Shlensky, BA, (Brown), MA, PhD (Calif-Berkeley), Assistant Professor

Nicole Shukin, BA, MA (Calgary), PhD (Alta), Assistant Professor

Cheryl L. Suzack, BA, MA (Guelph), B.Ed. (Nipissing), PhD (Alta) Assistant Professor

Richard van Oort, BA, MA (UVic), MA (Western), PhD (Calif-Irvine), Assistant Professor

Adrienne Williams Boyarin, BA, MA, PhD (Calif-Berkeley), Assistant Professor

Gerald V. Baillargeon, BA, MA (Windsor), PhD (Brit Col), Senior Instructor

Lisa Chalykoff, BSc, BA (Queen's), MA, PhD (UBC), Senior Instructor

Susan M. Doyle, BA, MA (UVic), Senior Instructor

Susan Huntley, BA, MA (Acadia), PhD (Queen's), Senior Instructor

Richard Pickard, BA, MA (Uvic), PhD (Alta), Senior Instructor

Limited Term and Sessional Instructor Appointments

Michael Best, BA, MA, PhD (Adelaida), Emeritus Professor, Sessional Lecturer

Sheila Burgar, BA (Brit Col), MA (UVic), Sessional Lecturer

Sally J. Carpentier, BA (Malaspina), PhD (Sunderland), Sessional Lecturer

Kathryn Curtis, BA (Kansas), MA (Michigan), Sessional Lecturer

Brian Day, BA, MA (UVic), PhD (Queen's), Sessional Lecturer

Janis Dawson, BA, BEd, MA, PhD (Alberta), MA (UVic), Sessional Lecturer

Celeste Derksen, BA (Simon Fraser), MA, PHD (UVic), Sessional Lecturer

Rebecca Gagan, BA, MA (McMaster), Sessional Lecturer

Joseph Gibson, BA (Guelph), MA, PhD (McMaster)

Joseph Grossi, BA (Providence), MA, PhD (Ohio), Sessional Lecturer

Eric Henderson, BA, MA, PhD (UWO), Sessional Lecturer

Stephanie Keane, BA, MA (UBC), Sessional Lecturer

Sandra Kirkham, BA, MA, PhD (UVic), Sessional Lecturer

Hilary Knight, BA, MA (UVic), Sessional Lecturer

Susan Last, BA, MA (Regina), Sessional Lecturer

Bernard LaVie, BA, MA, DESS (UPPA-France), Sessional Lecturer

Yisrael Levin, BA, MA (Tel Aviv), Sessional Lecturer

Paul MacRae, BA, (Toronto), MA (UVic), Sessional Lecturer

Matthew Manera, BMus (UVic), BA (Western), MMus (U of C), MA (Carleton), PhD (Sherbrooke), Sessional Lecturer

William Markham, BA (Stirling), MA (McMaster), Sessional Lecturer

Luke Maynard, BA (Huron), MA (UWO), Sessional Lecturer

Andrew Murray, BA (Regina), MA (UVic), Sessional Lecturer

Candice Neveu, BA, MA (UVic), Sessional Lecturer

Leina Pauls, BA (Missouri), MA (Kansas), Sessional Lecturer

Peter Perkins, BA, MA (UVic), Sessional Lecturer

Harbindar Sanghara, BA (Uvic), MA (Brit Col), PhD (UVic), Sessional Lecturer

Antonia Smith, BA (McGill), MA (UVic), PhD (Alberta), Sessional Lecturer

Monica Smith, BA (London), MA (UVic), Sessional Lecturer

Madeline Walker, BA (Toronto), MA, PhD (UVic), Sessional Lecturer

Valerie A. Warder, BA, MA (Saskatchewan), Sessional Lecturer

Susan Wilson, BA (Toronto), MA, PhD (UVic), Sessional Lecturer

Samuel G. Wong, BA (Col), PhD (Princ), Sessional Lecturer

Sandra Wynands, MA, PhD (UVic), Sessional Lecturer

ENGLISH PROGRAMS

The Department of English offers Honours, Major and General programs leading to the degree of Bachelor of Arts. The department also offers a Combined Major in English and French (Canadian Literature) and a Minor in Professional Writing.

Additional detailed information on programs and courses is published annually in the department's *Programs and Upper-level Course Guide*, available from the department, and at the department's website.

Co-operative Education Programs
Please, see page 147.

ACADEMIC REGULATIONS

Admission to English Courses

All students registering for an English course must satisfy the Undergraduate English requirement, page 29. Students with an LPI (Language Proficiency Index) score of 4 will take English 115. Those with an LPI score of 5 or a school or interim grade of 86% or higher in English 12 or English 12 First Peoples may take ENGL 135, 146 or 147. Those with an LPI score of 6 are exempted from an English course unless their degree program requires one.

Students who, on the basis of their LPI score, are required to take ENGL 099 must register in 099 in their first term and in ENGL 115 in their second term, and may not take any other English course until the satisfactory completion of 099. Students who fail 099 in the first term must repeat the course in the second term; any who fail a second time must take and pass the course during the following Winter Session or they will normally be denied permission to return to the University until they have demonstrated the required level of competence in English.

Students who are required to register in ENGL 099 (or LING 099), on the basis of their LPI results, may not change their original placement once they have registered in the Winter Session. Further placement test results will only be processed if the test is undertaken, and results received, following the end of Winter Session and before registration in a further Winter Session. For further information, see Undergraduate English Requirement, page 29.

At least 3 units of credit in English are prerequisites to courses at the 200 level and higher.

Advanced Placement

Students taking Advanced Placement examinations should speak to the Literature Program Adviser about placement in 200-level courses by the beginning of the registration period for the Winter Session.

Course Challenge

The English department does not permit students to gain credit by course challenge; students may, however, apply to the appropriate Adviser (Literature or Honours) for a waiver of prerequisites in special cases.

Requests for Special Admission

Requests for special admission to courses must be in writing to the appropriate Adviser (Writing, Literature, Honours). Please allow a minimum of five working days for processing.

PROGRAM REQUIREMENTS

Students considering a degree program in English are invited to see the department secretaries, who will arrange consultation with departmental advisers about their choice of courses.

Every student should own a good dictionary; e.g., *The Concise Oxford Dictionary*, *The American College Dictionary*, *Webster's Collegiate Dictionary*, *Gage Canadian Dictionary*, *The Random House Dictionary of the English Language (College Edition)*.

Course Prerequisites

The prerequisite for all English courses numbered 200 and above is 3 units of English. This

prerequisite is normally satisfied by two of: ENGL 115, 135, 146, 147; or by 3 units of appropriate transfer credit in English. However, with permission of the department, some students may take 200-level courses in their first year. Second-year students may take courses numbered 300 and above, but will be required to meet the normal standards of senior courses.

Course Exclusions

Courses in Professional Writing may not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Suggested Electives

The department encourages its students to take elective courses that support their General, Major or Honours Program. In making their choice of electives, students may wish to give special consideration to relevant courses in:

- Anthropology (e.g., ANTH 200)
- Courses in the literature of other languages
- Greek and Roman Studies (e.g., GRS 100, 200)
- History (e.g., HIST 130, 220)
- History in Art (e.g., HA 120, 221)
- Linguistics
- Music (e.g., MUS 120A, 120B)
- Philosophy (e.g., PHIL 100, 238)
- Political Science
- Psychology
- Sociology
- Theatre (e.g., THEA 100)
- Writing

Directed Reading Courses

ENGL 490 and 491 (Directed Reading) are tutorials intended primarily for students in the Honours Program, and must be approved by the Honours Adviser and the Chair of the department.

Variable Content Courses

The English department offers a number of variable content courses, with topics advertised annually (ENGL 353, 360, 362, 372, 385, 388, 391, 392, 393, 394, 395, 400, 404, 406, 413, 415, 425, 426, 438, 439B, 448, 449, 462, 463, 470, 471, 473). Where content differs, such courses may be taken more than once for credit, to a maximum of 3 units.

Preparation for Graduate School

Major and Honours students planning graduate study are reminded that graduate schools generally require competence in at least one language other than English, and some schools require credits in Old English and/or History of the Language.

Honours Program

The Honours Program allows students of proven ability to study English language and literature more intensively than is possible in the Major or General Programs. While enjoying a comprehensive course structure, Honours students also participate in special seminars and receive the guidance of individual faculty members in connection with ENGL 490 and 499. Students who take a special interest in English language or literature, or who are contemplating graduate work in English, are strongly advised to enrol in Honours rather than in the General or Major Program.

An Honours degree requires a graduating GPA of at least 3.5 with at least B- in ENGL 499.

Program Approval

The programs of Honours students are subject to the approval of the Honours Program Adviser, and the choice of electives is subject to modification in light of the student's entire program. Special counselling for students entering the Honours Program, as well as for those already enrolled in it, is available from the Adviser, who should be consulted as early as possible.

Second Language Requirement

English Honours students must demonstrate a basic knowledge of a language other than English (normally Greek, Latin, French, German, Italian, Spanish or Russian; a student may petition, however, to substitute another language). Students will normally fulfill the requirement by successfully completing any 6 units of credit in a language course (or the equivalent) or by successfully completing 3.0 units of FRAN courses numbered 160 or higher, or GER 149, or GER 390.

In certain instances students already fluent in a language may request a translation examination, which will be arranged by the Honours Program Adviser.

Honours Program Course Sequence

Normally, Honours students will follow this pattern:

First Year

ENGL 146 and 147.

Second Year

ENGL 200A, 200B; ENGL 310; plus some electives (e.g., Greek and Roman Studies, History, Philosophy) and/or upper-level English courses, with reference to the course structure below.

Students may take ENGL 310 in their third year, but this option tends to limit their choice of electives in third and fourth years. For the same reason, it is to a student's advantage to begin work on the second language requirement by the beginning of the second year.

Third and Fourth Years

For admission to Third Year, Honours students are required to maintain an average of at least B+ in their English courses. The approval of the department is also required. Honours students must present at least 24 units of English courses numbered 300 and above, to be distributed according to the following course structure:

- ENGL 310 (Practical Criticism, 3.0 units) (if not already completed)
- ENGL 467 and 468 (Honours courses, 1.5 units each)
- ENGL 499 (Fourth-year Honours course, 1.5 units)
- ENGL 344A (The Canterbury Tales, 1.5 units)
- 1.5 units from ENGL 360, 366B and C, 366D and E
- at least 1.5 additional units from the period before 1660: ENGL 337, 338, 339, 340, 341, 342, 343, 344B, 348, 350, 353, 359, 360, 362, 364, 365, 366B, 366C, 366D, 366E, 369, 410, 473
- at least 1.5 units from the period 1660-1800: ENGL 372, 373, 374, 375, 376A, 376B
- at least 1.5 units of American or British literature from the period 1800-1900: ENGL 379, 380, 381, 382, 383, 385, 386, 387, 427, 428A, 428B, 474
- at least 1.5 units of 20th Century American, British or Postcolonial literature: ENGL 388,

425, 426, 429A, 429B, 429C, 431A, 431B, 432A, 432B, 433, 434A, 434B, 435, 436A, 436B, 437A, 437B, 438, 439A, 439B, 475, 477, 478 (Students with 201 or 203 may apply for a waiver of this requirement.)

- at least 1.5 units of Canadian literature: ENGL 448, 450, 451, 452, 453, 455, 456, 457, 458, 459, 476 (Students with 202 may apply for a waiver of this requirement.)
- electives to make up 24 units of senior English courses

At the end of the fourth year, there will be an interview at which students will defend their project undertaken for ENGL 499.

Note: Students are strongly encouraged to take at least one of the following courses: ENGL 340, 341, 409, 410, 440, 460, GRS 200, LING 390. LING 390 may be counted towards the 24 units of senior English courses required for an Honours degree.

Combined English Honours and Medieval Studies Minor

Students in the Medieval Studies Program who are also enrolled in the English Honours Program may earn a Combined English Honours and Medieval Studies Minor degree. To do so they must complete:

- Three units of MEDI 301, 302, 303, or 304
- MEDI 401 or 402 or 451 or 452
- 1.5 units selected from the courses (apart from English courses) in the list of eligible courses for the Medieval Studies Program (see page 156).
- at least 1.5 additional units from the period before 1660: ENGL 337, 338, 339, 340, 341, 342, 343, 344B, 348, 350, 353, 359, 360, 362, 364, 365, 366B, 366C, 366D, 366E, 369, 410, 473
- 1.5 units of electives from the following list: ENGL 337, 338, 339, 340, 341, 342, 343, 344B, 348, 350, 353

Major Program

The department strongly recommends that students undertaking a Major in English have a reading knowledge of a second language or take courses in literature in translation of another culture.

Students who have credit for English courses no longer included in the Calendar should see the Literature Program Adviser for advice in following the course structure.

First Year

English majors are required to take 3 units from ENGL 115, 135, 146, 147.

Second Year

English majors require at least 3 units from the following courses:

ENGL 200A	ENGL 200B	ENGL 201
ENGL 202	ENGL 203	ENGL 207
ENGL 208	ENGL 209	

The department suggests 4.5 units from this list for breadth of coverage.

Students planning a Major in English are strongly advised to take ENGL 200A and 200B, as well as 209.

Third and Fourth Years

Majors are required to take a total of 15 units of English (excluding Professional Writing courses) at the senior level:

1. 7.5 units chosen from the following Course Structure:
 - At least 3 units from courses in literature before 1660: ENGL 337, 338, 339, 340, 341, 342, 343, 344A, 344B, 348, 350, 359, 360, 362, 364, 365, 366B, 366C, 366D, 366E, 369, 410, 473
 - At least 3 units from literature 1660-1900: ENGL 372, 373, 374, 375, 376A, 376B, 379, 380, 381, 382, 383, 385, 386, 387, 427, 428A, 428B, 459, 474
 - At least 1.5 units from 20th Century Canadian, American, British or Postcolonial literature: ENGL 388, 413, 429A, 429B, 429C, 431A, 431B, 432A, 432B, 433, 434A, 434B, 435 (formerly 465) 436A, 436B, 437A, 437B, 438, 439A, 439B, 448, 449, 450, 451, 452, 453, 455, 456, 457, 458, 475, 476, 477, 478
2. 7.5 additional units of courses numbered 300 and above

At least 12 of these 15 units must be completed at the University of Victoria.

Combined Major in English and French (Canadian Literature)

The Combined Major in English and French (Canadian Literature) is not a Double Major in English and French, but a single BA degree program composed of selected courses from each department. The term "Canadian Literature" will be formally recognized on the transcript. Students should consult either department about their choice of courses.

First and Second Years

Two of ENGL 115, 135, 146, 147	3.0
Two of ENGL 200A, 200B, 201, 202, 203	3.0
FRAN 280 and 290	3.0
FRAN 275 with a minimum grade of C+ or equivalent language skill	1.5
HIST 130, or HIST 131 and 132 (may be taken in a later year)	3.0

Third and Fourth Years

FRAN 375 ¹ or one of FREN 302, 302A, 302B, 302C ⁵	1.5
1.5 units of FRAN courses numbered 325 to 340	1.5
3.0 units of FRAN courses numbered 420 to 470 ⁵	3.0
Courses selected as specified under the English Major Program Course Structure	7.5
FRAN 417 (ENGL 458)	1.5
10.5 units of Canadian Literature courses (a minimum of 4.5 units must be taken in each department):	
ENGL 448, 450, 451, 452, 453, 455, 456, 457, 459, 476; FRAN 410-419 ^{3, 4}	10.5

1. Students with a DEC from a francophone CEGEP, a baccalauréat from France, or equivalent may substitute 1.5 units of courses numbered 390 or above for FRAN 375.

2. For students with 3 units of FREN 302, 302A, 302B, 302C, only 6 units numbered 325 and above are required.

3. Students with credit for FREN courses numbered 400 and above should consult the department in order to apply them to this requirement.

4. FRAN 325, 335, 340 or 470 may also be counted as Canadian Literature courses with permission of the department if the topic is appropriate.

5. For students with 3 units of FREN 302, 302A, 302B, 302C, only 1.5 units numbered 325 and above are required.

General and Minor Programs

Students wishing to take English as one of the fields of concentration in their General program or as a Minor must take:

- 3 units of English in the first year
- at least 3 units of 200-level literature courses in the second year
- 9 units of English courses numbered 300 and above in the third and fourth years

Minor in Professional Writing

The Department of English offers a Minor in Professional Writing. The goal of the program is to provide students from all disciplines with the high level of skills required to succeed as professional writers and Web professionals in the high-technology sectors of science, business, industry, government and the professions. The emphasis in the program is on using new media to solve problems of professional communication. Graduates of the program will be able to produce documents in both printed and Web-based form, using the latest and most appropriate new media technologies. The program is open only to students who concurrently pursue a Major or Honours degree.

More information about the Professional Writing Minor is available at <web.uvic.ca/pwengl>.

Application to the Program

Admission to the program will normally be after the student's second year of study; students who plan to apply should take the appropriate prerequisites. Students applying for the Minor must have:

- an average grade of B or better in the prerequisite writing courses (see below) and a B average overall, or
- permission of the Director of Professional Writing

Prerequisite Courses

Before declaring the Professional Writing Minor, students must take 3 units from the following courses, with a grade of B or better in each course: ENGL 115, 135, 146, 147, 181, 182, 215, 225; ECON 225; ENGR 240.

Program Requirements

Students must complete ENGL 303: Copy Editing for Professional Writers (1.5 units) and an additional 7.5 units of courses from those listed below for a Minor in Professional Writing.

ENGL 301	Report Writing
ENGL 302	Writing for Government
ENGL 304	Writing Popular Science
ENGL 305	Visual Rhetoric for Professional Writers
	Web Design
ENGL 401	Special Topics in Professional Writing
ENGL 406	Computer-mediated Communication
ENGL 407	Electronic Documentation
ENGL 408	

ENGL 412	Research for Professional Writers
ENGL 416	Electronic Expression
ENGL 492	Directed Reading: Advanced Topics in Professional Writing

Humanities, Fine Arts and Professional Writing Co-operative Education Program

Students accepted into the Professional Writing Minor Program may apply to enter the Humanities, Fine Arts and Professional Writing Co-op Program.

The Humanities, Fine Arts and Professional Writing Co-op Program offers paid employment to students who are working towards careers as professional writers in high-technology sectors. The Co-op is open to students admitted to the Minor in Professional Writing.

General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 46. For information on the Humanities, Fine Arts and Professional Writing Co-op, please see the Faculty of Humanities entry, on page 143.

Department of French

Catherine Caws, BA, MA (Nantes), PhD (BritCol), Associate Professor and Chair

Claire Carlin, BA (San Diego St), MA, PhD (Calif-Santa Barb), Professor

Yvonne Hsieh, BA (BritCol), MA, PhD (Stan), Professor

Marc Lapprand, BA, MA (Besançon), PhD (Tor), Professor

Sada Niang, MA (Tor), PhD (York), Professor

Hélène Cazes, ENS (Paris), MA-DEA (Paris, Sorb), PhD (Paris X), Post-Doc (Mont), Associate Professor and Graduate Adviser

Marie Vautier, BA (Ott), MA (Laval), PhD (Tor), Associate Professor

Emile Fromet de Rosnay, BA (York), MA, PhD (Queen's), Assistant Professor

Emmanuel Hérique, MA, D de IIIe cycle (Nancy), Assistant Professor

Annye Castonguay, BA, MA (UVic), Sessional Lecturer

Danielle Shepherd, BA (Poitiers), MA, PhD (Sherbrooke), Sessional Lecturer

Christine Wadge, BA (Warwick), Sessional Lecturer

FRENCH PROGRAMS

The Department of French offers Honours, Major and General and Minor programs leading to the degree of Bachelor of Arts. The department also offers a Combined Major in English and French (Canadian Literature).

Students interested in pursuing a program in French should consult with a departmental adviser as early as possible (see the department's website).

Co-operative Education Programs
Please, see page 143.

ACADEMIC REGULATIONS

Entry Levels

Students must consult the department website for information about placement, and contact the department for further information and testing, if necessary.

Language Course Exclusion

Once the language skills program requirement has been satisfied, no student may receive credit for courses numbered FRAN 100 to 275 (220 excluded) except with permission of the department.

Course Challenge

The department does not offer course challenges.

Francophone Students

A francophone is defined for the purposes of these regulations as a person who has spoken French since childhood and who has received sufficient secondary instruction in French to be literate in French.

Francophone students may not obtain credit for FRAN 100, 120, 160, 180, 300 or 350. They should consult the department about placement.

Limitation on First-Year Credit (Including Transfer Credit)

The department places the following limitations on first-year credit:

- 12 units for students with no knowledge of French
- 10.5 units for students with less than French 12
- 7.5 units for students with French 12
- 4.5 units for students with Français 12

Transfer Credit

Students are encouraged to study at Francophone universities; the department recognizes a broad variety of courses in language, literature, cultural studies and French linguistics for transfer credit. The faculty regulation for the Major Program that at least 12 of the 15 units numbered 300 or 400 are required to be taken at UVic may be lowered to 9 units for students who complete at least 12 units at a Francophone university, or to 10.5 units for students who complete at least 7.5 units at a Francophone university, and who in each case have completed 3 units of 200-level courses at UVic.

Students must obtain a Letter of Permission (see page 29) before undertaking studies at a Francophone university or elsewhere. To ensure that the correct transfer credit is granted for courses taken elsewhere, students also MUST consult with the department's transfer credit adviser (see the department's website) BEFORE applying for a Letter of Permission.

PROGRAM REQUIREMENTS

Language Skills

Access to courses numbered 350 and above and offered in French is restricted to students who have C+ or higher in 275, or equivalent skill in the French language.

Literature requirement

One of the following qualifications or the equivalent is required for all programs in French, and

is also the prerequisite for FRAN 390 and all 400-level literature courses:

- completion of FRAN 280 and 290, or two of FRAN 286, 287, 288;
- DEC from a francophone CEGEP;
- French baccalauréat or equivalent.

Experience requirement for Honours and Major Programs

One of the following is required for all programs in French:

- a minimum of 1.5 transferrable units from a francophone university obtained through a UVic International Exchange program;
- a minimum of 1.5 transferrable units from a francophone university obtained through a Letter of Permission;
- a minimum of one Co-op work term in a francophone environment through the Humanities Co-operative Education Program;
- completion of FRAN 250.

Students for whom this requirement would be an undue hardship may apply to the department for a waiver.

Honours Program

First and Second Years

See Program Requirements, above.

3 units of a language other than English or French (Latin recommended); may be taken in a later year.

All FRAN courses must be completed with a minimum GPA of 6.0 before admission to the Honours Program.

Third and Fourth Years

Admission to the third-year Honours program requires the approval of the Chair of the department. The programs of Honours students are subject to the approval of the Honours Adviser. Admission to the fourth-year Honours Tutorial (FRAN 499) requires a minimum grade of B in FRAN 390.

FRAN 375 ¹ or one of FREN 302, 302A, 302B, 302C ²	1.5
FRAN 390 or FREN 390	1.5
FRAN 499 or FREN 499	1.5
One of FRAN 380, 385, 400 to 409 ³	1.5
One of FRAN 400 to 409	1.5
One of FRAN 410 to 419	1.5
One of FRAN 420 to 429	1.5
One of FRAN 430 to 449	1.5
One of FRAN 450 to 459	1.5
7.5 additional units numbered 325 and above ^{2,6}	7.5

Major Program

First and Second Years

See Program Requirements, above.

Third and Fourth Years

FRAN 375 ¹ or one of FREN 302, 302A, 302B, 302C ²	1.5
One of FRAN 400 to 410	1.5
One of FRAN 410 to 419	1.5
One of FRAN 420 to 429, 450 to 459	1.5
One of FRAN 430 to 449	1.5
7.5 additional units numbered 325 and above ^{2,3,6}	7.5

General and Minor Programs

First and Second Years

See Program Requirements, above.

Third and Fourth Years

FRAN 375 ¹ or one of FREN 302, 302A, 302B, 302C	1.5
7.5 unit of FRAN or FREN courses numbered 350 and above and offered in French ²	7.5

Combined Major in English and French (Canadian Literature)

The Combined Major in English and French (Canadian Literature) is not a Double Major in English and French, but a single BA degree program composed of selected courses from each department. The term "Canadian Literature" will be formally recognized on the transcript. Students should consult either department about their choice of courses.

First and Second Years

Two of ENGL 115, 135, 146, 147	3.0
Two of ENGL 200A, 200B, 201, 202, 203	3.0
FRAN 280 and 290	3.0
FRAN 275 with a minimum grade of C+ or equivalent language skill	1.5
HIST 130, or HIST 131 and 132 (may be taken in a later year)	3.0

Third and Fourth Years

FRAN 375 ¹ or one of FREN 302, 302A, 302B, 302C ⁵	1.5
1.5 units of FRAN courses numbered 325 to 340	1.5
3.0 units of FRAN courses numbered 420 to 470 ⁵	3.0
Courses selected as specified under the English Major Program Course Structure	7.5
FRAN 417 (ENGL 458)	1.5
10.5 units of Canadian Literature courses (a minimum of 4.5 units must be taken in each department):	
ENGL 448, 450, 451, 452, 453, 455, 456, 457, 459, 476; FRAN 410-419 ^{3, 4}	10.5

1. Students with a DEC from a francophone CEGEP, a baccalauréat from France, or equivalent may substitute 1.5 units of courses numbered 390 or above for FRAN 375.
2. For students with 3 units of FREN 302, 302A, 302B, 302C, only 6 units numbered 325 and above are required.
3. Students with credit for FREN courses numbered 400 and above should consult the department in order to apply them to this requirement.
4. FRAN 325, 335, 340 or 470 may also be counted as Canadian Literature courses with permission of the department if the topic is appropriate.
5. For students with 3 units of FREN 302, 302A, 302B, 302C, only 1.5 units numbered 325 and above are required.
6. No more than 3.0 units may be chosen from courses offered in English

Department of Germanic and Slavic Studies

Peter Gözl, BA (Mannheim), MA (Wat), PhD (Queen's), Associate Professor, Chair of the Department

Helga Thorson, BA (Earlham College), MA (U of Minnesota), PhD (U of Minnesota), Associate Professor

Serhy Yekelchuk, BA (Kiev U), MA (Ukrainian Academy of Sciences), PhD (Alberta), Associate Professor

Elena Pnevmonidou, BA (McG), MA (Queen's), PhD (McG), Assistant Professor

Charlotte Schallié, BC (Brit Col), MA (Brit Col), PhD (Brit Col), Assistant Professor

Ulf Schuetze, Staatsexamen I und II (Kiel); PhD (Brit Col), Assistant Professor

Megan Swift, BA (McG), MA (U of Toronto), PhD (U of Toronto), Assistant Professor

Matthew Pollard, BA (Queen's), MA (Queen's), PhD (McG), Senior Instructor

Julia Rochtchina, MA, PhD (Moscow), Senior Instructor

Emeriti

Angelika F. Arend, Staatsexamen (Kö), MA (Car), DPhil (Oxon), Professor Emeritus

Nicholas V. Galichenko, BA, MA (Brit Col), PhD (McG), Professor Emeritus

Michael Hadley PhD (Queen's), Professor Emeritus

Peter G. Liddell, MA (Edin), PhD (Brit Col), Professor, Professor Emeritus

Rodney T. K. Symington, PhD (McG), Professor Emeritus

GERMANIC STUDIES PROGRAMS

The Department of Germanic and Slavic Studies offers a full complement of courses leading to a Bachelor of Arts degree in Germanic Studies in the General, Major or Minor Programs.

Undergraduate work is done at two successive levels: introductory at the 100/200 level, and advanced at the 300/400 level. Students may not enrol in introductory courses after having completed an advanced course in the same area. They may, however, enrol concurrently in both introductory and advanced courses with departmental permission.

Course Challenge

The Department of Germanic and Slavic Studies does not permit students to gain credit by course challenge. Students with prior knowledge of German may, however, apply to the Chair of the department for a waiver of lower-level program requirements.

Native Speakers

Native speakers of German may not obtain credit for first- or second-year language courses. A native speaker is defined in this context as a person who has spoken German since childhood and/or has received sufficient instruction in the language to be literate in it. The department will assign students with previous knowledge to the appropriate level.

Transfer Credit

Students are encouraged to take courses at universities in German-speaking countries; the department recognizes a broad variety of courses in German language, literature and cultural studies for transfer credit. The faculty regulation for the Major Program that at least 12 of the 15 units numbered 300 or 400 are required to be taken at UVic may be lowered to 9 units for students who complete at least 12 units of German courses at a university in a German-speaking country, or to 10.5 units for students who complete at least 7.5 units of German courses at a university in a German-speaking country, and who in either case have completed 3 units of 200-level courses at UVic.

Students must obtain a Letter of Permission (see page 29) before undertaking studies at universities in German-speaking countries. To ensure that the transfer credit is granted for courses taken elsewhere, students MUST consult with the department's Transfer Credit Adviser (see departmental website) BEFORE applying for a Letter of Permission.

Co-operative Education Programs

Please, see page 143.

Honours Program

The Honours Program provides qualified students of German the opportunity to study German Language, Literature and Culture more intensively than in other programs, develop advanced analytical competence and deepen their understanding. It also prepares students for graduate studies.

Admission to the Honours Program requires a GPA of at least 5.5 in at least 7.5 units of introductory courses (including at least one of GERS 254 and GERS 261 with a minimum B+) and the permission of the department. Applications for admission are usually made at the end of the second year of studies; students interested in pursuing an Honours program in Germanic Studies should consult the department at an early stage in their undergraduate studies.

The Honours Program requires a minimum of 21 units of upper-level courses, including GER 300 and GER 499. An Honours degree requires a graduating GPA of 3.5 to 6.49 and at least a B- in 499.

Major Program

To be admitted into a Major Program, a student must have at least a C+ average in a minimum of 7.5 units of introductory courses (including at least one of GERS 254 and GERS 261 with a minimum C+).

The Major Program consists of 15 units of upper-level courses, including GER 300. Students interested in pursuing a Major in Germanic Studies are advised to consult the department very early during their undergraduate studies, possibly in their first year of studies. Majors must have their third- and fourth-year programs approved by the department.

General and Minor Programs

Students wishing to take Germanic Studies in one of these programs must take 7.5 units of introductory courses (including at least one of GERS 254 and GERS 261) and 9 units of upper-level courses, including GER 300.

Course Index**Courses in German language**

GER 100A	Beginners' German I
GER 100B	Beginners' German II
GER 200	Intermediate German
GER 252	Conversational German
GER 300	Advanced German
GER 352	Advanced Oral German I
GER 390	German Reading Course
GER 400	Advanced Writing
GER 452	Advanced Oral German II
GER 453	Advanced Translation
GER 471	The Evolution of Early German
GER 472	The Evolution of Modern German
GER 499	Honours Graduating Essay

Courses open to all students: No knowledge of German required

The following courses are open to all students. The timetable for courses marked * will be two hours of classtime in English and a one hour seminar in either English or German, at the option of the student.

GER 160	Major Figures of German Culture
GER 254	Introduction to German Literature
GER 260	German Expressionism (1910-1933)
GER 261	Modern Germany
GER 305*	Novelle and Short Story
GER 306	German Drama
GER 307	History of the Novel
GER 308*	Poetry
GER 333	Literature and Film of the Holocaust and "Third Reich"
GER 354*	Introduction to Twentieth Century Literature (Pre-1945)
GER 356	A Short History of German Film
GER 370	Portraits of Women in German Literature from Medieval to Postmodern Times
GER 411*	Medieval German Literature
GER 417*	Storm and Stress to Classicism: Revolution and Tradition
GER 420*	Faust
GER 422	Romanticism
GER 424*	Nineteenth Century: Realism
GER 427	The Dark Side of the Enlightenment: Madness in Literature
GER 433	"Overcoming the Past" in Film and Text
GER 436*	Literature Since 1945
GER 437	Major German Filmmakers
GER 438A*	Special Topics
GER 438B*	Special Topics
GER 439	The New German Cinema
GER 440	Kafka
GER 441	Brecht
GER 443	Christa Wolf
GER 444*	Women Writers
GER 481*	German Literature: The Last Two Decades
GER 483	Recent German Film

GER 485

Popular Culture

GER 487

A Cultural History of Vampires in Literature and Film

SLAVIC STUDIES PROGRAMS

The Department of Germanic and Slavic Studies offers a full complement of courses in Russian Studies leading to the Bachelor of Arts degree in the General or Major Programs.

All students planning a program in the Department of Germanic and Slavic Studies should consult the departmental Adviser concerning their selection of courses both within and outside the department. Students specializing in particular programs will find that they have sufficient electives to enable them to concentrate (Double Major) in a second field. A wise selection of courses is therefore important, particularly to those students who may wish to enter graduate school, teaching, library work or government service.

Course Challenge

The Department of Germanic and Slavic Studies does not permit students to gain credit by course challenge. Students with prior knowledge of Russian may, however, apply to the Chair of the department for a waiver of lower-level program requirements.

Native Speakers

Native speakers of Russian may not obtain credit for first- or second-year language courses. A native speaker is defined in this context as a person who has spoken Russian since childhood and/or has received sufficient instruction in the language to be literate in it. The department will assign students with previous knowledge to the appropriate level.

Transfer Credit

Students are encouraged to take courses in Russian at universities in the former Soviet Union; the department recognizes a broad variety of courses in Russian language, literature and cultural studies for transfer credit. The faculty regulation for the Major Program, that at least 12 of the 15 units numbered 300 or 400 are required to be taken at UVic, may be lowered to 9 units for students who complete at least 12 units of Russian courses at a university in the former Soviet Union, or to 10.5 units for students who complete at least 7.5 units of Russian courses at a university in the former Soviet Union, and who in each case have completed 3 units of 200-level courses at UVic.

Students must obtain a Letter of Permission (see page 29) before undertaking Russian studies at universities of the former Soviet Union. To ensure that the correct transfer credit is granted for courses taken elsewhere, students MUST consult with the department's Transfer Credit Adviser (see departmental website) BEFORE applying for a Letter of Permission.

Program Requirements

Students planning to take either a General or Major BA in Russian must have a satisfactory standing in courses at the 200 level. Students with advanced credit, or those competent in Russian, will be placed at an appropriate level. Students wishing to select Russian as a teaching area in the Faculty of Education's Secondary Curriculum should refer to item (o), page 71.

Programs in Russian**Major**

To be admitted to a Major Program, a student must have at least a C+ average in a minimum of 7.5 units of introductory courses. In the third and fourth years, the Major program consists of a minimum of 15 units at the 300 and 400 levels and must include one of RUSS 300A, 300B, 303, and in addition must include one of RUSS 308A, 308B. Students interested in pursuing a major in Russian Studies are advised to consult the department very early during their undergraduate studies, possibly in their first year of studies. Majors must have their third- and fourth-year programs approved by the department.

General and Minor Programs

Students wishing to take Russian Studies in one of these programs must take 7.5 units of introductory courses and 9 units at the 300 or 400 level, including at least one of RUSS 300A, 300B, 303.

Course Index

RUSS 100A	Beginner's Russian I
RUSS 100B	Beginner's Russian II
RUSS 161	The Culture of the Russian Revolution (in English)
RUSS 200A	Intermediate Russian I
RUSS 200B	Intermediate Russian II
RUSS 203	Conversational Russian
RUSS 261	Stalinism: Society and Culture (in English)
RUSS 300A	Advanced Russian I
RUSS 300B	Advanced Russian II
RUSS 301A	Russian Cultural History I (in English)
RUSS 301B	Russian Cultural History II (in English)
RUSS 303	Advanced Russian Conversation and Practice I
RUSS 304A	Cinema in the Soviet and Post-Soviet Periods I (in English)
RUSS 304B	Cinema in the Soviet and Post-Soviet Periods II (in English)
RUSS 308A	Russian Literature in Translation I (in English)
RUSS 308B	Russian Literature in Translation II (in English)
RUSS 310	Tolstoy (in English)
RUSS 311	Dostoevsky (in English)
RUSS 312	Chekhov (in English)
RUSS 315	Sculpting in Time: The Cinematic Art of Andrei Tarkovsky (in English)
RUSS 331	Nations and Cultures of the Former Soviet Union (in English)
RUSS 360	Russian Comedy on Stage and Screen (in English)
RUSS 400A	Advanced Grammar and Stylistics I
RUSS 400B	Advanced Grammar and Stylistics II
RUSS 403	Advanced Russian Conversation and Practice II
RUSS 416	Stalinist Cinema (in English)
RUSS 421	Seminar on St. Petersburg (in English)

RUSS 434	Special Topics
RUSS 460	Forbidden Books, Forbidden Film (in English)
SLAV 334	Topics in Cultural Development (in English)
SLAV 341	Seminar in a Slavic Language
SLAV 374	Imperial Russia, 1689-1917 (in English)
SLAV 376	The Soviet Union and its Successor States, 1917-2000 (in English)
SLAV 377	Modern Ukraine (in English)
SLAV 390	Directed Studies in a Slavic Language
SLAV 477	Nikolai Gogol/Mykola Hohol (in English)

Department of Greek and Roman Studies

John P. Oleson, BA, MA, PhD (Harvard), FRSC, Professor

Ingrid E. Holmberg, BA (Vermont), MA, PhD (Yale), Associate Professor

Cedric A. J. Littlewood, BA, MA, DPhil (Oxford), Associate Professor

Gregory D. Rowe, BA (Michigan), DPhil (Oxford), Associate Professor

Laurel M. Bowman, BA (Toronto), MA (British Columbia), PhD (California, Los Angeles), Assistant Professor

Brendan Burke, BA (Florida), MA, PhD (California, Los Angeles), Assistant Professor

Josiah E. Davis, BA (Brown), MPhil (Cambridge), PhD (Pennsylvania), Assistant Professor

Geoffrey Kron, BSc, MA, PhD (Toronto), Assistant Professor

GREEK AND ROMAN STUDIES PROGRAMS

The Department of Greek and Roman Studies (formerly the Department of Classics) offers the student an opportunity to study Greek and Roman language, literature, history, archaeology and philosophical thought at any of three levels of concentration in the original languages or through English translations. The department offers the following programs leading to the degree of Bachelor of Arts:

- Greek and Roman Studies: General, Major and Honours programs
- Greek and Latin Language and Literature: Major and Honours programs

While a degree in Greek and Roman Studies can be focused to some extent on ancient art and archaeology, history, social history or literature in translation, the department strongly recommends that some courses in Greek or Latin language be taken for the Greek and Roman Studies degrees.

Study towards the degrees in Greek and Latin Language and Literature may be focused to some extent on either Greek or Latin, but the department strongly recommends that at least 6 units be taken in the second language.

It is assumed that students following the General or Major Programs will be taking advanced

courses in other departments. Students following an Honours Program with the Department of Greek and Roman Studies should note that it may be possible for them to complete an Honours program in another field if they have the joint consent of that department and the Department of Greek and Roman Studies.

Students are welcome at any time to discuss their program with members of the department and are encouraged to do so in the first or second years of their studies.

Many of the advanced courses in Greek and Roman Studies are open to second-year students, and a Major in Greek and Roman Studies may be completed in two years. Nevertheless, students are encouraged to plan their programs, since the lack of prerequisites may limit their choice of courses. Greek and Latin courses above the 100 level require prerequisites.

Co-operative Education Programs
Please, see page 143.

PROGRAM REQUIREMENTS

Course Regulations

- GRS 100 may not normally be taken for credit by students who have already received credit for any courses in Greek and Roman Studies at the 300 level.
- First-year students may take Greek and Roman Studies courses above the 200 level only with departmental permission. Any student in second year may register for courses in Greek and Roman Studies at the 300 level.
- Appropriate credit in the Department of History may be given for GRS 331, 332, 333, 341, 342, 345, 346, 347, 480A or 480C. PHIL 301 and 303 are acceptable for credit in all programs in the Department of Greek and Roman Studies in lieu of any 300-level course in Greek and Roman Studies.

Course Requirements

Honours in Greek and Roman Studies

- 6 units of departmental offerings at the 100 or 200 level
- 24 units of departmental offerings at the 300 or 400 level, including GRS 499

Total: 30 units

Honours in Greek and Latin Language and Literature

- 21 units of Greek and/or Latin
- 9 units of departmental offerings, including GRS 499

Total: 30 units

Of these 30 units, at least 21 units must be at the 300 or 400 level.

Students applying to enter the Honours Program should have a GPA of at least 6.0 in departmental courses, and should normally have completed at least 6 units of departmental offerings. Students accepted into the Honours Program whose GPA in departmental courses falls below 6.0 may be required to transfer to the Major Program.

Major in Greek and Roman Studies

- 6 units of departmental offerings at the 100 or 200 level
- 15 units of departmental offerings at the 300 or 400 level

Total: 21 units

Major in Greek and Latin Language and Literature

- 15 units of Greek and/or Latin
- 6 units of departmental offerings

Total: 21 units

Of these 21 units, at least 15 units must be at the 300 or 400 level.

General and Minor Programs

- 3 units of departmental offerings normally at the 100 or 200 level
- 9 units of departmental offerings at the 300 or 400 level

Total: 12 units

Department of Hispanic and Italian Studies

Pablo Restrepo-Gautier, BA, MA, PhD (Brit Col), Associate Professor and Chair of the Department
Gregory Peter Andrachuk, BA, MA, PhD (Tor), Professor

Lloyd H. Howard, BA (Brit Col), MA, PhD (Johns H), Professor

Beatriz de Alba-Koch, BA (ITESM), MA (Paris III), MA (Princeton), MA (Queen's), PhD (Princeton), Associate Professor

Maria Bettaglio, BA (Genova), MA (Ohio), PhD (New York-Buffalo), Assistant Professor

Dan Russek, BA, MA (UNAM), PhD (Chicago), Assistant Professor

Silvia Colás Cardona, BA (Autónoma de Barcelona), MA (Calg), PhD, ABD (Calg), Senior Instructor

Daniela Lorenzi, BA (UVic), MA (UVic), Senior Instructor

Rosa L. Stewart, BA (Ohio Wesleyan), MA (Mich), Senior Instructor

Christine Forster, BA, MA (UBC), Sessional Lecturer

Matthew Koch, BA (Queen's), MA (Johns H), PhD, ABD (Johns H), Sessional Lecturer

Gabriela McBee, BA, MA (UVic), Sessional Lecturer

Alicia Ulysses, BA, MA (UVic), Sessional Lecturer

Adjunct Appointments

Peter Fothergill-Payne, BA, MA (Oxford), Adjunct Associate Professor

Emeritus

Caroline Monahan, BA, MA (Brit Col), PhD (Lond)

Judith A. Payne, BA (Spalding), MA (U of Louisville), PhD (Penn St)

Elena Rossi, BA (Vassar), MA, PhD (Tor)

HISPANIC AND ITALIAN STUDIES PROGRAMS

The Department of Hispanic and Italian Studies offers Honours, Major and General programs in Hispanic Studies, a Combined Major in Hispanic and Italian Studies, and Major and General programs in Italian Studies and in Mediterranean

Studies (Spain Concentration or Italy Concentration).

Upper-level courses used in one Honours, Major, or General Program cannot be counted toward any other Honours, Major, or General Program within or without the department.

The department now offers a graduate program. The program offers two streams leading to a Master's degree: Hispanic Studies, and Hispanic and Italian Studies. For more information, please contact the department.

Native Speakers

For all programs, native speakers may not obtain credit for 100- or 200-level courses. A native speaker is defined as a person who has spoken Spanish, Italian, or Portuguese since childhood and/or has received sufficient instruction in the language to be literate in it. The department will assign students with previous knowledge to the appropriate level.

Course Challenge

The Department of Hispanic and Italian Studies does not permit students to gain credit by course challenge; students may, however, apply to the department for advanced placement to a higher language level.

Co-operative Education Programs

Please, see page 143.

HISPANIC STUDIES PROGRAMS

The Department of Hispanic and Italian Studies offers Honours, Major, General and Minor Programs in Hispanic Studies, as well as a Combined Major in Hispanic and Italian Studies.

Students pursuing an Honours or Major in Hispanic Studies will find that they have sufficient electives to enable them to concentrate in a second field (for example, Italian or another language, Greek and Roman Studies, English, History or Linguistics).

Prerequisites

Students wishing to take 300- and 400-level courses in Spanish must achieve an average grade of B- or higher in SPAN 250A, 250B, and 260 or 265, with a minimum grade of C+ in each (these courses should be taken in second year). Students must also take SPAN 350A as a pre- or corequisite or have permission of the department (this course should be taken in the third year). Students continuing to 400-level literature courses must have as a pre- or corequisite one of SPAN 370, 375, 380, 385. Students pursuing a General or Minor Program in Hispanic Studies must take at least two of these four courses. Students pursuing a Major or Honours Program must take at least three of these four courses, but all four are recommended. Exceptions may be made under certain circumstances, after consultation with the department.

Hispanic Courses in English

Hispanic Studies courses conducted in English may be credited to an Honours, Major or General Degree in Hispanic Studies to a maximum of 3 units.

Program Requirements

Students are advised to consult with the department in the selection of their courses.

Honours Program

Students wishing to enrol in the Honours Program must first obtain the approval of the department Chair. Admission to the Honours Program normally requires a minimum GPA of 7.0 in upper-level Hispanic Studies courses.

First Year

- SPAN 100A and 100B

Second Year

- SPAN 250A and 250B
- SPAN 260 or 265

Third and Fourth Years

- SPAN 350A and 350B
- SPAN 499
- 4.5 units from SPAN 370, 375, 380, 385
- 10.5 additional units of 400-level Hispanic Studies courses which may include no more than 1.5 units of LAS 300

Graduation from the Honours Program requires a minimum graduating GPA of 6.0 in upper-level Hispanic Studies courses, and a minimum B+ in SPAN 499.

Major

First Year

- SPAN 100A and 100B

Second Year

- SPAN 250A and 250B
- SPAN 260 or 265

Third and Fourth Years

- SPAN 350A and 350B
- 4.5 units from SPAN 370, 375, 380, 385
- 7.5 additional units of 400-level Hispanic Studies courses which may include no more than 1.5 units of LAS 300

General (Minor)

First Year

- SPAN 100A and 100B

Second Year

- SPAN 250A and 250B
- SPAN 260 or 265

Third and Fourth Years

- SPAN 350A and 350B
- 3.0 units from SPAN 370, 375, 380, 385
- 3.0 additional units of 400-level Hispanic Studies courses which may include no more than 1.5 units of LAS 300

ITALIAN STUDIES PROGRAMS

The Department of Hispanic and Italian Studies offers Major, General and Minor Programs in Italian Studies, as well as a Combined Major in Hispanic and Italian Studies.

Prerequisites

Students wishing to take courses in Italian Studies at the third- and fourth-year levels taught in Italian are reminded that they must have the prerequisites of the first two years, including ITAL 250A and 250B, with a minimum average GPA of 4.0 and a minimum grade of C+ in each. Exceptions may be made under certain circumstances after consultation with the department. Students pursuing a Major in Italian Studies will find that they have sufficient electives to enable them to concentrate in a second field.

Program Requirements

Students are advised to consult with the department in the selection of their courses.

Major

First Year

- ITAL 100A, 100B

Second Year

- ITAL 250A, 250B

Third and Fourth Years

- ITAL 350
- ITAL 351
- ITAL 306
- Two of ITAL 473, 474, 478
- 7.5 additional units of 300- or 400-level Italian courses*

*Up to 3 units may be substituted from the supporting course list below.

General (Minor)

First Year

- ITAL 100A, 100B

Second Year

- ITAL 250A, 250B

Third and Fourth Years

- ITAL 350 or 351
- One of ITAL 473 or 474 or 478
- 6 additional units of 300- or 400-level Italian courses*

*Up to 3 units may be substituted from the supporting course list below.

Supporting Course List

Students combining an Italian Minor or Major with a second concentration may not count the same course for both concentrations.

GRS 341 (1.5)	Roman History
GRS 342 (1.5)	Roman Society
GRS 348 (1.5)	The City of Rome
GRS 349 (1.5)	Jews and Christians in the Roman World
GRS 372 (1.5)	Art and Architecture of the Roman World
GRS 441 (1.5)	The Fall of the Roman Empire
GRS 442 (1.5)	Roman Law and Society
HA 321 (1.5)	Late Antique and Early Christian History in Art
HA 326 (1.5)	Early Medieval History in Art
HA 328 (1.5)	Gothic Art and Architecture
HA 341A (1.5)	The 15th Century in Italy
HA 341B (1.5)	The 16th Century in Italy
HA 342A (1.5)	The 17th Century in Italy
HA 343A (1.5)	The 18th Century in Italy
HA 420 (1.5)	Advanced Seminar in Medieval Art (with the approval of the department)
HA 445 (1.5)	Advanced Seminar in Renaissance Art (with the approval of the department)
MEST 300 (1.5)	The Mediterranean Region from the Perspective of Spain and Italy (in English)
MEST 308 (1.5)	Fascism in the Hispanic and Italian World (in English)
MEST 310 (1.5)	The Portrayal of the Family in Mediterranean Culture (in English)

COMBINED HISPANIC AND ITALIAN STUDIES PROGRAM

Combined Major in Hispanic and Italian Studies

First Year

- ITAL 100A and 100B (3.0)
- SPAN 100A and 100B (3.0)

Second Year*

- ITAL 250A and 250B (3.0)
- SPAN 250A and 250B (3.0)

Third and Fourth Years

- ITAL 350 and 351 (3.0)
- SPAN 350A and 350B (3.0)
- ITAL 479A or SPAN 479A (1.5)
- 3.0 units from upper-level Italian courses conducted in Italian
- 1.5 units from SPAN 370, 375, 380, 385
- 3.0 units from upper-level courses conducted in Spanish

*ITAL 265, SPAN 260 are strongly recommended optional courses.

MEDITERRANEAN STUDIES PROGRAMS

The Mediterranean Studies Program offers insight into Mediterranean culture from the perspective of two key cultures: those of Spain and Italy. Students may opt for one of the two streams: Mediterranean Studies: Spain Concentration or Mediterranean Studies: Italy Concentration.

Programs in Mediterranean Studies: Spain Concentration

Major

Prerequisite

- SPAN 250A and 250B or equivalent

Required Courses

- MEST 300 (1.5)
- MEST 308 (1.5)
- MEST 310 (1.5)
- SPAN 350A (1.5)
- SPAN 350B (1.5)
- SPAN 370, 375 (3.0)
- 1.5 units of SPAN 400-level courses dealing with Spain
- 3.0 units of 300- or 400-level courses from outside the department*

SPAN 208A and 408A are strongly recommended.

*Chosen from an approved list of courses offered by other departments in the Faculties of Humanities, Fine Arts and Social Sciences.

General (Minor)

Prerequisite

- 3 units of SPAN language courses at the 100 or 200 level (further language study is strongly recommended)

Required Courses

- MEST 300 (1.5)
- MEST 308 (1.5)
- MEST 310 (1.5)
- 4.5 units of 300- or 400-level courses from outside the department*

SPAN 208A and 408A are strongly recommended.

*Chosen from an approved list of courses offered by other departments in the Faculties of Humanities, Fine Arts and Social Sciences.

Programs in Mediterranean Studies: Italy Concentration

Major

Prerequisite

- ITAL 250A and 250B or equivalent

Required Courses

- MEST 300 (1.5)
- MEST 308 (1.5)
- MEST 310 (1.5)
- ITAL 350 or 351 (1.5)
- ITAL 306 (1.5)
- 4.5 units of ITAL 400-level courses
- 3.0 units of 300- or 400-level courses from outside the department*

ITAL 203 is strongly recommended.

*Chosen from an approved list of courses offered by other departments in the Faculties of Humanities, Fine Arts and Social Sciences.

General (Minor)

Prerequisite

- 3 units of ITAL language courses at the 100 or 200 level (further language study is strongly recommended)

Required Courses

- MEST 300 (1.5)
- MEST 308 (1.5)
- MEST 310 (1.5)
- ITAL 306 (1.5)
- 3.0 units of 300- or 400-level courses from outside the department*

*With the approval of the department and chosen from an approved list of courses offered by other departments in Humanities, Fine Arts and Social Sciences.

Department of History

Lynne S. Marks, BA (UofT), MA, PhD (York), Associate Professor and Chair of the Department

Robert S. Alexander, BA (W Ont), MA (UofT), PhD (Cantab), Professor

A. Perry Biddiscombe, BA, MA (UNB), PhD (LSE), Professor

Andrew Rippin, BA (UofT), MA, PhD (McGill), Professor

Eric W. Sager, BA, PhD (UBC), Professor

Paul Wood, BA (W Ont), MPhil (Lond), PhD (Leeds), FRHistS, Professor

Guoguang Wu, BA (Beijing), MA (Chinese Academy Social Sciences), MA, PhD (Princeton), Professor

David Zimmerman, BA (UofT), MA, PhD (UNB), Professor

Sara Beam, BA (McGill), MA, PhD (Calif Berk), Associate Professor

Gregory R. Blue, BA (St Vincent de Paul), B Phil (U Catholique Louvain), PhD (Cantab), Associate Professor

Paul Bramadat, BA (Winnipeg), MA (McGill), PhD (McMaster), Associate Professor

Penny Bryden, BA (Trent), MA, PhD (York), Associate Professor

Martin Bunton, BA (UBC), MA, DPhil (Oxon), Associate Professor

Zhongping Chen, BA, MA (Nanjing), PhD (Hawaii), Associate Professor

Simon Devereaux, BA, MA, PhD (UofT), Associate Professor

M. L. (Mariel) Grant, BA (Trent), DPhil (Oxon), Associate Professor

John S. Lutz, BA, MA (UVic), PhD (Ott), Associate Professor

Andrea McKenzie, BA (UBC), MA (York), PhD (UofT), Associate Professor

John Price, BA, MA, PhD (UBC), Associate Professor

Richard Rajala, BA, MA (UVic), PhD (York), Associate Professor

Thomas J. Saunders, BA (York), MA, PhD (UofT), Associate Professor

Oliver Schmidtke, Diplom (Philipps Univistaet Marburg), PhD (European University Institute), Associate Professor

Jordan Stanger-Ross, BA (McGill), PhD (Pennsylvania), Associate Professor

Elizabeth Vibert, BA (Dal), MA (E Anglia), DPhil (Oxon), Associate Professor

Wendy Wickwire, BMus (W Ont), MA (York), PhD (Wesleyan), Associate Professor

Serhy Yekelchuk, BA (Kiev), MA (UkrAcadSci), PhD (Alta), Associate Professor

Rachel Cleves, BA (Columbia), MA, PhD (Berkeley), Assistant Professor

Jason M. Colby, BA (Whitman), MA, PhD (Cornell), Assistant Professor

Peter Cook, BA (Toronto), MA (Ottawa), PhD (McGill), Assistant Professor

Timothy S. Haskett, BA, MA, PhD (UofT), Assistant Professor

Mitchell Lewis Hammond, BA, MAR (Yale), MA, PhD (Virginia), Assistant Professor

Christine O'Bonsawin, BSM (Brock), MA, PhD (Western Ontario), Assistant Professor

Jillian Walshaw, BA (Calgary), MA (Toulouse-Mirail), PhD (York-UK), Assistant Professor

C. John D. Duder, BA (UVic), PhD (Aberdeen), Senior Instructor

Adjunct Appointments

John D. Belshaw, BA (UBC), MA (SFU), PhD (LSE), Adjunct

Patrick Dunae, BA (UVic), PhD (Manchester), Adjunct

Lorne Hammond, BA, MA (UVic), PhD (Ottawa), Adjunct

Larry Hannant, BA (Calgary), MA (Waterloo), PhD (UBC), Adjunct

John Hinde, BA (UVic), MA (Queen's), PhD (SUNY, Buffalo), Adjunct

Frank Leonard BA (UBC), MA (UofT), PhD (York), Adjunct

Daniel Marshall, BA, MA (UVic), PhD (UBC), Adjunct

Gordon Martel, BA (SFU), MA (Tufts and Harvard), PhD (UofT)

Rosemary Ommer, BA (Glasgow), PhD (McGill), Adjunct

Alison Prentice, BA (Smith Coll), MA, PhD (UofT),
FRSC, Adjunct

Emeritus

Peter A. Baskerville, BA (UofT), MA, PhD
(Queen's)

Harold G. Coward, BA, MA (Alta), PhD (McM)

Ralph C. Croizier, BA (UBC), MA (Wash), PhD
(Calif. Berk)

Brian W. Dippie, BA (Alta), MA (Wyo), PhD (Tex),
Charlotte Girard, BA (UBC), MA, PhD (Bryn
Mawr)

James Hendrickson, BA (Sask), BEd (Alta), MA,
PhD (Ore)

Sydney W. (Toby) Jackman, BS, MA (Wash) AM,
PhD (Harvard)

Angus G. McLaren, BA (UBC), MA, PhD
(Harvard), FRSC

Robert McCue, BA, BEd (Alta), MA, PhD (BYU)

G. R. Ian MacPherson, BA (Assumption U of
Windsor), MA, PhD (W. Ont)

John Money, BA, MA, PhD (Cantab), FRHistS

Patricia E. Roy, BA (UBC), MA (UofT), PhD (UBC)

Reginald H. Roy, BA, MA (UBC), PhD (Wash)

Donald Senese, AB, PhD (Harvard)

Phyllis M. Senese, BA (UofT), MA (Car), PhD
(York)

E. Patricia Tsurumi, BA (UBC), AM, PhD
(Harvard)

HISTORY PROGRAMS

The department offers undergraduate course work at two levels: introductory courses at the 100-200 level, open to first and second-year students, and advanced courses at the 300-400 level, open to students in both third and fourth years.

A brochure is available through the department office at the start of the advance registration period that includes any changes in scheduling made after publication of the Calendar, as well as additional information not available at that time.

Co-operative Education Programs
Please, see page 143.

Course Regulations

Students are strongly advised to complete introductory courses in a given area before undertaking advanced courses in the same area. However, in specific areas students may not be allowed to register in an introductory course if they have credit in or are concurrently registered in an advanced course in the same area. Such prohibitions are noted in individual course descriptions.

History courses are organized by area: American history, British history, Canadian history, European history, Asian history, world and comparative history, and specialized courses. Please note that enrolment in seminars is limited. All students are strongly encouraged to take at least one course in pre-1800 history.

All History courses require substantial written and reading assignments. Information about textbooks in all courses is available from the bookstore. Students are advised to consult the Faculty of Humanities' regulations governing undergraduate degree programs, on page 140.

PROGRAM REQUIREMENTS

Honours Program

In the Honours Program, students have the opportunity to study history more independently and intensively than is normally possible in the Major and General Programs. Through the Honours Seminar (HIST 480) and individual instruction in writing and research (HIST 398, 497), the Honours Program encourages students to think critically and to deepen their understanding of both the content and craft of history. While the primary intent of the Honours Program is to help any interested and talented student of history achieve an excellent education in the liberal arts, the program should be especially useful for students contemplating graduate work in history or careers in senior secondary teaching, journalism, law, library science or government service.

Admission to the Honours Program normally requires a minimum overall GPA of 6.0 as well as a minimum of 6.0 in 6 units of History courses, of which at least 3 units should be at the 100 or 200 level. These 6 units are not counted towards the 18 units of upper-level History required within the Honours Program.

Application for admission to the Honours Program should normally be made in the spring, during the student's second year, although a small number of third-year applications may also be accepted. In certain cases, applications may be accepted any time up to the beginning of a student's fourth year.

Honours candidates are required to have their program of courses approved by the Honours Adviser. To avoid overspecialization, Honours students must study more than one area of History and are strongly encouraged to take at least one course in pre-1800 history.

An Honours degree requires a graduating GPA of at least 5.0 and a GPA of at least 5.0 in Honours courses (HIST 398, 480, 497).

Candidates whose performance is unsatisfactory may be required to transfer from the Honours Program to the Major Program. Admission to the fourth-year Honours Program is conditional upon satisfactory performance in the third year.

Third- and Fourth-year Requirements

Students in the Honours Program must take 18 units of history courses numbered 300 or above:

HIST 480 ¹	3.0
HIST 497 ²	3.0

History courses numbered 300 and above (may include HIST 398) which must include at least 3 units in areas outside their regional specialization.....12.0

A maximum of 3.0 units taken from GRS 331, 332, 333, 334, 341, 342, 346, 347, 348, 349, 441, 461, 480A, 480C, MEDI 451 and MEST 308 may be accepted in lieu of a course in European history.*

1. Usually completed by the end of third year

2. As part of HIST 497 an oral examination will be conducted by a committee comprising the faculty supervisor of the paper, the second reader and the departmental Honours Adviser. The examination will be open to other interested members of the department.

Students are also required to demonstrate a reading knowledge of a language other than English by passing, with a grade of C or higher

in each course, 3.0 units of 200-level language courses (FRAN 180 is also acceptable), or by passing a special translation examination administered by the Department of History.

Major Program

To be admitted to the Major Program, students require a minimum GPA of 2.0 in 6 units of introductory History courses.

Students interested in pursuing a Major in History are advised to consult a Majors' Adviser in their first year if possible, and History Majors are strongly encouraged to consult a Majors' Adviser regarding their third- and fourth-year programs.

Students in the Major Program must complete 15 units of History courses numbered 300 and above. Of these 15 units, a minimum of 6 and a maximum of 12 units should be selected from one area of interest. Students are strongly encouraged to take at least one course in pre-1800 history.

A maximum of 3.0 units taken from GRS 331, 332, 333, 334, 341, 342, 346, 347, 348, 349, 441, 461, 480A, 480C, MEDI 451 and MEST 308 may be accepted in lieu of a course in European history.*

General and Minor Programs

History may be taken as one field of concentration in a General Program, or as a Minor. Normally, a student should complete:

1. 6 units of introductory History courses at the 100 or 200 level
2. 9 units of History courses at the 300 or 400 level

Students are strongly encouraged to take at least one course in pre-1800 history.

A maximum of 1.5 units taken from GRS 331, 332, 333, 334, 341, 342, 346, 347, 348, 349, 441, 461, 480A, 480C, MEDI 451 and MEST 308 may be accepted in lieu of a course in European history.*

* Other than these, courses in the various studies programs (CS, ES, EUS, GERS, GRS, IS, MEDI, MEST, PAAS, RS, RUSS, WS) cannot be counted towards the General and Minor, the Major or the Honours degrees (exception: Special Topics courses may be considered on an ad hoc basis).

Latin American Studies Program

Director: Dr. Beatriz de Alba-Koch, BA (ITESM), MA (Paris III), MA (Princeton), MA (Queen's), PhD (Princeton), Associate Professor, Department of Hispanic and Italian Studies

Website: <web.uvic.ca/latinamerican>

Encompassing the enormous area of México to Tierra del Fuego, Latin America is home to an ethnically diverse and culturally vibrant population of over five hundred million. With a rich history extending over several centuries, Latin America is also a major player in the world economy.

The Latin American Studies Program provides students with a broad interdisciplinary understanding of this important geocultural area and a command of the Spanish language. It offers Hon-

ours, Major and General and Minor programs in two streams leading to the degree of Bachelor of Arts: the Language and Literature Concentration; the Interdisciplinary Concentration. Students are encouraged to develop specialized fields of expertise by combining these programs with concentrations in other disciplines such as Anthropology, Business, Education, Geography, History, History in Art, Political Science, and others (see "Faculty Program Requirements", page 141).

Latin American Language and Literature Concentration

Prerequisites and Corequisite

- SPAN 100A, 100B, 250A, 250B, 260 or 265, and 350A
- Students wishing to take 300- and 400-level courses in Spanish must achieve a minimum GPA of 4.0 or higher in SPAN 250A, 250B and 260 or 265 (these courses should be taken in second year).

Honours

Students wishing to enrol in the Honours Program must first obtain the approval of the Program Director. Admission to the Honours Program normally requires a minimum GPA of 7.0 in upper-level Hispanic Studies courses.

SPAN 350A, 370, 380, 385	6.0
LAS 300, 499	3.0
At least 7.5 units from SPAN 481A, 481B, 481C, 481D, 482B, 483A, 483B, 483C	7.5
3.0 units from SPAN 350B, 408B, 450A, 484A, 484B, 484C, 484D, 485B, 490A, 490B, 490C, 495 or interdisciplinary courses	3.0
Total:	19.5

Graduation from the Honours Program requires a minimum graduating GPA of 6.0 in upper-level Hispanic Studies courses, and a minimum grade of B+ in LAS 499.

Major

SPAN 350A, 370, 380, 385	6.0
LAS 300	1.5
At least 4.5 units from SPAN 481A, 481B, 481C, 481D, 482B, 483A, 483B, 483C	4.5
3.0 units from SPAN 350B, 408B, 450A, 484A, 484B, 484C, 484D, 485B, 490A, 490B, 490C, 495 or interdisciplinary courses	3.0
Total:	15.0

General and Minor

SPAN 350A, 380, 385	4.5
4.5 units from LAS 300, SPAN 408B, 481A, 481B, 481C, 481D, 482B, 483A, 483B, 483C, 484A, 484B, 484C, 484D, 485B	4.5
Total:	9.0

Hispanic Courses in English

Hispanic Studies courses conducted in English may be credited to an Honours, Major, General or Minor Program in Latin American Studies (Language and Literature) to a maximum of 3.0 units.

Latin American Studies Interdisciplinary Concentration

Prerequisites

- 3.0 units of SPAN language courses at the 100 or 200 level (further language study is highly recommended).
- For interdisciplinary course prerequisites, please see the respective department.

Honours

Students wishing to enrol in the Honours Program must first obtain the approval of the Program Director. Admission to the Honours Program normally requires a minimum GPA of 7.0 in upper-level Hispanic Studies courses.

LAS 300, 499	3.0
16.5 units from the interdisciplinary courses below	16.5
Total:	19.5

Graduation from the Honours Program requires a minimum graduating GPA of 6.0 in the 19.5 units of upper-level courses, and a minimum grade of B+ in LAS 499.

Major

LAS 300	1.5
13.5 units from the interdisciplinary courses below	13.5
Total:	15.0

General and Minor

9.0 units from the interdisciplinary courses below	9.0
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Interdisciplinary Courses on Latin America

Students must take at least one course from a minimum of two departments.

- ANTH 325; if focusing on Latin America: ANTH 391, 392, 393, 394, 395
- GEOG 347B
- HA 375A, 375B
- HIST 465; if focusing on Latin America: HIST 457, 468, 469
- LAS 300
- MUS 319; if focusing on Latin America: MUS 320
- POLI 372
- SPAN 380, 385, 408B, 484A, 484B, 484C, 484D, 485B

Department of Linguistics

John H. Esling, BA (Northw), MA (Mich), PhD (Edin), FRSC, Professor and Chair of the Department

Hossein Nassaji, BA, MA (Isfahan U), PhD (OISE/Tor), Professor

Ewa Czaykowska-Higgins, BA (Brit Col), MA (Tor), PhD (MIT), Associate Professor

Hua Lin, BA (Lanzhou), MEd, PhD (UVic), Associate Professor

Leslie Saxon, BA, MA (Tor), PhD (Calif, San Diego), Associate Professor

Suzanne Urbanczyk, BSc, MA (UVic), PhD (U of Mass), Associate Professor

Sonya Bird, BA (Brit Col), MA, PhD (U of Arizona), Assistant Professor

Alexandra D'Arcy, BA (Brit Col), MA (MUN), PhD (Tor), Assistant Professor

Li-Shih Huang, BA (York), MEd, PhD (OISE/Tor), Assistant Professor

Lorna B. Williams, BA (SFU), PhD (U of Tennessee), Assistant Professor and Canada Research Chair in Indigenous Knowledge and Learning

Ming Xiang, BA (Beijing), MA, PhD (Michigan State), Assistant Professor

Sessional Lecturer Appointments

Sandra Kirkham, BA, MA, PhD (UVic), Sessional Lecturer

David A. McKercher, BSc (Calgary), BEd, MA (UVic), PhD (Stanford), Sessional Lecturer

Judith Nylvek, BA, MA, PhD (UVic), Sessional Lecturer

Adjunct Appointments

Arthur C. Brett, BSc (Kansas), PhD (Missouri), Adjunct Associate Professor (2009-12)

Suzanne Cook, BA (Honours), MA (UVic), Adjunct Assistant Professor (2008-11)

B. Craig Dickson, BA, MA (UVic), Adjunct Assistant Professor (2009-11)

Sandra S. Fotos, BA (Berkeley), MPhil (East Africa), MS (Hawaii), EdD (Temple, Japan), Adjunct Professor (2009-11)

Jimmy G. Harris, BA, MA (Wash), MEd (USC), Adjunct Professor (2007-10)

Terry J. Klokeid, BA (Honours) (UVic), PhD (MIT), Adjunct Assistant Professor (2009-11)

Brent McNeill, BA, MA (Western Wash), Adjunct Assistant Professor (2009-11)

Tadao Miyamoto, BA, MA, PhD (UVic), Adjunct Professor (2008-10)

Ronald Wardhaugh, BA (Durham), BEd (Alberta), MA (Michigan), PhD (Alberta), Adjunct Professor (2009-11)

Adam Werle, BA (Wash), PhD (U of Mass), Adjunct Assistant Professor, 2009-11)

Andrea Wilhelm, BA (Tübingen), MA, PhD (Calgary), Adjunct Assistant Professor (2009-11)

Emeritus

James Arthurs, BA (Durham), MA (UVic), PhD (Brit Col)

Barbara P. Harris, BA (Carleton), MA, PhD (UVic)

Thomas E. Hukari, BA (Ore), MA, PhD (Wash)

Joseph F. Kess, BSc (Georgetown), MA, PhD (Hawaii), FRSC

LINGUISTICS PROGRAMS

The Department of Linguistics offers the following degree and diploma programs:

- General, Major and Honours BA in Linguistics
- Major and Honours BA in Applied Linguistics (emphasis on teaching English as a Second Language)
- Major and Honours BSc in Linguistics
- Diploma in Applied Linguistics (emphasis on teaching English as a Second Language)
- Certificate Program in Aboriginal Language Revitalization (CALR)

Co-operative Education Programs

Please, see page 143.

PROGRAM REQUIREMENTS

Practicum Requirement

Students should be aware that a practicum is required in order to complete the course of study for a BA or Diploma in Applied Linguistics and is an elective in the Certificate Program in Aboriginal Language Revitalization.

Please refer to "Guidelines for Ethical Conduct" and "Regulations Concerning Practica", page 141.

BA In Linguistics

Honours Program

Students who wish to take an Honours degree in Linguistics begin the program in the third year with the permission of the department. Honours students must:

1. Achieve at least a B average in all Linguistics courses taken in each of third and fourth years and maintain a GPA of at least 3.5 in all work of the third and fourth years;
2. In addition to the requirements for the Major, students intending to pursue an Honours degree in Linguistics must present LING 410B, 441 and 499 for a total of 21 units of upper-level courses;
3. Achieve a graduating average of at least 3.5 and a letter grade of at least B in 499.

All Honours students are required to submit their proposals for Honours thesis research at the beginning of their final year.

Students who meet the above requirements and successfully complete all prescribed courses will be recommended for an Honours degree.

Major Program

The requirements for a Major in Linguistics are:

- LING 100A
 - LING 200
 - LING 203
 - LING 325 or 326
 - LING 409, 410A, 440
 - 9.0 units of upper-level courses in Linguistics
- Some knowledge of a language other than English is recommended.

General and Minor Programs

Students following a General or Minor Program in Linguistics are required to take LING 100A and at least 9 units of courses in Linguistics at the 300 or 400 level.

BA in Applied Linguistics

The BA in Applied Linguistics prepares students for teaching English as a second language in many foreign countries and in Canadian programs outside the public school system.

The BA in Applied Linguistics does not qualify students to teach in the schools of British Columbia. Those who wish to be teachers in the British Columbia school system must either hold an Education degree or have successfully completed the professional program for graduates offered by Education faculties in BC. For information, contact Education Advising.

Honours Program

In addition to the requirements for the Major, students intending to pursue an Honours degree in Applied Linguistics must complete successfully LING 410B, 441 and 499 for a total of 21 units of upper-level courses. The regulations regarding the required level of achievement are the same as those stated above for the BA in Linguistics.

Note: LING 440 is a prerequisite for LING 441.

Major Program

Required Courses: First and Second Years

- LING 100A
- LING 200
- LING 203
- 4.5 units of first- and second-year English courses
- PSYC 100A and 100B
- 6 units of modern second language courses, of which at least 1.5 units are at the second-year level or higher, or equivalent

Required Courses: Third and Fourth Years

15 units:

- LING 373
- LING 374
- LING 375
- LING 376*
- LING 388
- LING 409
- LING 410A
- LING 438 or 440
- 3 units selected from LING 325 or 326, 370A, 377, 386, 389, 390 or 392, 395, 397 or 398, 495 (1.5 of these 3 units may also be selected from LING 396, 401, 403, 405, 450)

Corequisite Courses:

- 3 units selected from upper-level English or Writing

* LING 376 will normally be taken in the final year of study.

BSc in Linguistics

The BSc in Linguistics is a suitable preparation for post-graduate study in the Speech and Hearing Sciences and for advanced studies in Psycholinguistics and the Phonetic Sciences.

General and Minor programs leading to a BSc degree are not available.

Honours Program

Students intending to pursue a BSc Honours degree in Linguistics should ensure that they have completed LING 410A and 440 as part of the 15 units required for the Major degree. In addition to the requirements for the Major, Honours students must present LING 410B, 441 and 499 for a total of 21 units of upper-level courses. The regulations regarding the required level of achievement and the class of Honours awarded are the same as those stated above for the BA in Linguistics.

Major Program

Required Courses: First and Second Years

- LING 100A
- LING 200
- LING 203
- BIOL 150A
- BIOL 150B or EPHE 141
- MATH 100 or 102
- 3 units from PHYS 102, 112, 120, 130, 220
- PSYC 100A, 100B and 201

Recommended Electives

- CSC 100, 110, 115
- EPHE 241A and 241B (prerequisite 141)
- PHYS 214
- PSYC 215A, 340
- MUS 306, 307
- Course(s) in a second language.

Required Courses: Third and Fourth Years

- LING 370A
- LING 370B
- LING 380
- LING 381
- LING 382
- 4.5 units selected from LING 300, 325 or 326, 409, 410A, 410B, 440, 441
- 3 additional units of upper-level Linguistics courses, selected from the following: LING 373, 386, 482, 483, 484, 495 and from the following not already selected: LING 300, 325 or 326, 409, 410A, 410B, 440, 441

Note: Only one of LING 325, 326 may be used to satisfy the senior-level requirements of the B.Sc. in Linguistics.

Corequisite Courses

- PSYC 300A
- 4.5 units selected from PSYC 300B, 313, 315, 317A, 317B, 323, 335, 413, 415A, 415B, 450.

Diploma in Applied Linguistics

Program Admission and Regulations

Applicants must have completed a University of Victoria Bachelor's degree or its equivalent including at least 6 units of courses in English and 6 units of modern second language courses.

Applicants whose previous instruction was given in a language other than English will be required to have a major in English or permission of the Applied Linguistics Adviser.

Students who have completed the University of Victoria degree in Applied Linguistics or its equivalent may not register in the Diploma Program.

The program may be completed within one year of full-time study, but can also be taken part time. It must be completed within five years. For part-time students, LING 376 will normally be taken in the final year of study.

Courses taken for the Diploma program cannot be applied towards another degree.

Applicants who wish to be teachers in the British Columbia school system must either hold an Education degree or have successfully completed the professional program for graduates offered by Education faculties in the province. (For information, contact Education Advising.)

Diploma Requirements

The Diploma requires a minimum of 15 units of course work in addition to those credited towards a degree. Applicants who have received credit for some of these courses (or equivalent) previously will be allowed to substitute up to 6 units of courses recommended by the department. Students whose degrees are from universities other than the University of Victoria must complete the entire 15 units at UVic. Students with a UVic degree may negotiate to have transfer credit from other universities apply to the Diploma program.

Required Courses (15 units)

- LING 100A
- LING 200 or 203
- LING 373
- LING 374
- LING 375
- LING 376
- LING 388

- 4.5 units from LING 370A, 377, 386, 389, 390 or 392, 395, 397 or 398, 438

Note: Diploma students who wish to pursue the MA in Applied Linguistics should complete both LING 200 and 203.

Certificate in Aboriginal Language Revitalization (CALR)

This program is offered by the Department of Linguistics in partnership with the Division of Continuing Studies and the En'owkin Centre of the Okanagan Nation. Admission is open to all those committed to the revitalization of Indigenous languages in Canada or anywhere on the globe.

It is possible to undertake coursework on the Certificate concurrently with progress toward a degree program (Bachelor's, Master's, or PhD). Please consult with program staff regarding this articulation.

The goal of the Certificate Program is to develop understanding of the complex dynamics of language loss, maintenance, and recovery while also providing practical strategies for work in Aboriginal communities to preserve and revitalize threatened languages. This program is designed to honour traditional knowledge and practices, to recognize and accommodate the realities and needs of diverse communities, and to provide a foundation for both language revitalization activities and for further study in linguistics, education, and/or cultural resource management.

Certificate Requirements

Participants in the Certificate Program in Aboriginal Language Revitalization must complete six core courses (9 units) and three elective courses (4.5 units). To ensure that students are themselves actively engaged in the process of learning an Aboriginal language, students must take an elective course in an Aboriginal language or demonstrate other comparable experience. Please see below under "Aboriginal Language Requirement."

The core courses are offered in Summer Institutes at the En'owkin Centre in Penticton or at the University of Victoria, and at varying times during the year in other locations. Elective courses are offered at the En'owkin Centre, at the University of Victoria, or in community settings. It is possible to arrange transfer credits for elective courses from other programs or other colleges and universities; please consult program staff for details.

Core Courses (9.0 units)

- LING 180A (1.5 units)
- LING 180B (1.5 units)
- LING 181 (1.5 units)
- LING 182 (1.5 units)
- LING 183A (1.5 units)
- LING 183B (1.5 units)

Elective Courses (4.5 units to be chosen)

- LING 159 First Nations Language I
- LING 259 First Nations Language II
- LING 359 First Nations Language III
- LING 172 Introduction to the Languages of BC
- LING 184 Aboriginal Language Materials Development
- LING 185 Aboriginal Language Revitalization Practicum

- LING 186 Language in First Nations Culture
- LING 187 Special Topics in Language Revitalization

For students who choose LING 185, please consult program staff for procedures and requirements of the practicum. Also, please refer to "Guidelines for Ethical Conduct" and "Regulations Concerning Practica," page 141.

Aboriginal Language Requirement

Students must complete at least one course offered under LING 159, 259 or 359, or take a course in an Aboriginal language at a college or university for transfer credit, in order to strengthen knowledge of processes associated with learning an Aboriginal language.

For students who have already successfully completed a college or university course in an Aboriginal language and/or are fluent speakers of an Aboriginal language, consult with the program's academic advisers to transfer the credit or challenge this elective course requirement.

For more information, please contact:

Certificate Program in Aboriginal Language Revitalization
Cultural Management Programs,
Division of Continuing Studies
University of Victoria
PO Box 3030 STN CSC
Victoria, BC V8W 3N4
Email: calr@uvcs.uvic.ca
Phone: 250-721-8457
Fax: 250-721-8774
Website: <continuingstudies.uvic.ca/calr>

Aboriginal Language Revitalization Course Challenge

The course challenge process is intended to allow you to receive up to 2 units of elective credit, based on your proficiency in an aboriginal language. If that proficiency has been gained through the completion of formal coursework at a local college or university, the most straightforward way to have it recognized as elective credit is to transfer that credit. However, if your proficiency has been gained through life experience, you can challenge LING 159 and/or 259 as described below.

To challenge a course, you are required to provide a letter from a local language authority certifying that you have achieved a degree of proficiency in that language. As well, you will be required to complete a course challenge application form and to submit a fee equivalent to 50% of the tuition assessed for a 1.5 unit course. Based on this application, the academic advisers to the Certificate in Aboriginal Language Revitalization will determine if the course challenge is successful, establish the equivalency to LING 159 and/or 259 and arrange for the credit to be entered on your academic record.

Please have your language authority complete and sign the LING 159 and/or 259 challenge form and return it to us with the course challenge application and fee.

You are urged to complete the course challenge process upon admission to the Certificate Program so that you can plan your elective requirements accordingly.

Please mail your course challenge materials to:

Academic Adviser
Aboriginal Language
Revitalization Programs
Department of Linguistics
University of Victoria
PO Box 3045
Victoria, BC V8W 3P4

Medieval Studies Program

Director: Marcus Milwright, DPhil (Oxford), Associate Professor, History In Art

Medieval Studies Program Committee

Lloyd H. Howard, B.A. (UBC), M.A., PhD (John Hopkins), Professor, Department of Hispanic and Italian Studies. Term expires July 1, 2011

Hélène Cazes, PhD (Paris), Associate Professor, Department of French. Term expires July 1, 2011

Iain MacLeod Higgins, BA, MA (UBC), AM, PhD (Harvard), Associate Professor, Department of English. Term expires July 1, 2012

Catherine Harding, B.A. (McG), PhD (Lond), Associate Professor, Department of History in Art. Term expires July 1, 2012

Website: <web.uvic.ca/medieval>

Office: Clearihue D264

MEDIEVAL STUDIES PROGRAMS

Medieval culture, which flourished in Europe from about CE 300-1500, and has analogues in many non-European cultures, lends itself well to interdisciplinary study. This Program seeks to train students in the principles, methods, and problems of Medieval Studies and to introduce them to the written, visual, and material sources required for a thoughtful, critical study of the medieval world.

Medieval Studies offers Honours, Major, General and Minor programs leading to the degree of Bachelor of Arts. Students may also undertake the Major in Medieval Studies together with a Major Program in another department (see Double Major, page 142), or with a Major in another faculty (see Interfaculty Program, page 142). By completing the requirements for the General Program together with a Major or Honours Program in another department or faculty, students may obtain a Minor (see Minor, page 143).

Students interested in pursuing a program in Medieval Studies should consult with the program Director.

Course Work By Education Students

Students applying to the Post-Degree Professional Program in the Faculty of Education may use up to 3 units of credit from the following Medieval Studies courses to fulfill a portion of the Social Studies (see History emphasis) teaching area requirements: MEDI 303, 304, 305, 360 and 401, 402 (MEDI 360 and 401, 402 with the approval of the Faculty of Education only). Students who wish to pursue this option should contact the Director of Medieval Studies.

Co-operative Education Programs

Please, see page 143.

PROGRAM REQUIREMENTS

Honours Program

In the Honours Program in Medieval Studies, students have the opportunity to work more independently and intensively on a special research essay. The graduating essay will be done under the guidance of an individual tutor assigned in the final year of the degree.

Admission

Admission to the Honours Program normally requires a minimum overall GPA of 6.0 in 3.0 units of Program courses at the 300 and 400 level.

Normally a student applies for Honours at the end of the second year. Honours candidates are required to have their program of courses approved by the Director of Medieval Studies.

Third- and Fourth-year Requirements

MEDI 303 The Medieval World.....	1.5
MEDI 304 Encountering the Middle Ages.....	1.5
MEDI 451 Reading, Writing and the Book in the Medieval World.....	1.5
MEDI 499 Honours Graduating Essay.....	1.5
15.0 units of courses numbered 300 or above selected from MEDI offerings and the list of Eligible Courses (with no more than 4.5 units selected from any one department)	15.0
Total.....	21.0

Students whose GPA in MEDI courses numbered 300 and above falls below 3.5 at the end of any session will be required to transfer to the Major Program. Students whose graduating average, or whose average in Program courses taken in MEDI at the 300 and 400 level, is below 3.5, but who otherwise meet the University requirements for graduation, will receive a BA with a Major in Medieval Studies.

Language Requirement for Honours

Honours students must complete either GREE 101 and GREE 102, or LATI 101 and LATI 102.

In addition, before graduation, each student will be required to demonstrate a reading knowledge of a language other than English appropriate to the area of special interest. Normally, this requirement will be satisfied by passing, with a minimum grade of C in each course, 3.0 units of 200-level language courses (FRAN 180 is also acceptable). The language requirement may also be satisfied by 3.0 units of ENGL 340, 341, 346, 347. These courses cannot be counted again in fulfilment of Honours requirements.

Major Program

Admission

To be admitted to the Major Program, students require at least second-year standing or permission of the Director of Medieval Studies; HIST 236 Medieval Europe (3.0) is suggested.

Requirements for the Major

MEDI 303 The Medieval World.....	1.5
MEDI 304 Encountering the Middle Ages.....	1.5
3 units of the following:.....	3.0
MEDI 360 Selected Topics in Medieval Culture	
MEDI 401 Seminar in Medieval Culture	
MEDI 402 Cross-Cultural Encounters and Exchanges	
MEDI 451 Reading, Writing and the Book in the Medieval World	

MEDI 452 Special Topics in Medieval Manuscript Studies

9.0 units of courses, selected from MEDI offerings and the list of Eligible Courses numbered 300 or above (with no more than 3.0 units selected from any one department)9.0
Total.....15.0

Language Requirement

Before graduation, each student will be required to demonstrate a reading knowledge of a language other than English appropriate to the area of special interest. Normally, this requirement will be satisfied by passing, with a minimum grade of C in each course, 3.0 units of 200-level language courses (FRAN 180 is also acceptable). The language requirement may also be satisfied by 3.0 units of ENGL 340, 341, 346, 347. These courses cannot be counted again in fulfilment of Major requirements.

Double Major

Student pursuing a Double Major may select courses on the Eligible Courses list from their second field of concentration, but the same units cannot be used for both Majors.

General and Minor Programs

MEDI 303.....	1.5
MEDI 304.....	1.5
MEDI 360 or 401 or 451 or 452	1.5
4.5 units of course offerings numbered 300 or above, selected from MEDI offerings and the list of Eligible Courses list, to be approved by the Director of Medieval Studies	4.5
Total	9.0

Combined English Honours with Medieval Studies Minor

Students in the Medieval Studies Program who are also enrolled in the English Honours Program may earn a Combined English Honours and Medieval Studies Minor degree. To do so they must complete:

- 3.0 units from MEDI 301, 302, 303, or 304
- 1.5 units from MEDI 401, 402, 451, or 452
- 1.5 units selected from the courses (apart from English courses) in the list of Eligible Courses for the Medieval Studies Program.
- 1.5 units selected from the period before 1660: ENGL 340, 341, 346, 347, 352, 353, 354, 357, 359, 360, 362, 364, 365, 366B, 366C, 366D, 366E, 369, 410, 473
- 1.5 units selected from the following list: ENGL 340, 341, 346, 347, 352, 353, 354, 357

Eligible Courses

ENGL 337 (1.5)	Medieval British Literature in Translation
ENGL 338 (1.5)	Introduction to Old Icelandic
ENGL 339 (1.5)	Old Icelandic Literature
ENGL 340 (1.5)	Introduction to Old English
ENGL 341 (1.5)	Old English Literature
ENGL 342 (1.5)	Early Middle English Literature
ENGL 343 (1.5)	Later Middle English Literature
ENGL 344A (1.5)	Chaucer: Canterbury Tales
ENGL 344B (1.5)	Chaucer: Troilus and Minor Works
ENGL 348 (1.5)	Alliterative Traditions

ENGL 350 (1.5)	Medieval and Renaissance Scottish Literature
ENGL 353 (1.5)	Studies in Medieval English Literature
ENGL 409 (1.5)	The Bible in English
ENGL 473 (1.5)	Women Writers in English from the Medieval to the Augustan Age
FRAN 404 (1.5)	History of French Language
FRAN 431 (1.5-3.0)	Medieval Literature
FRAN 432 (1.5)	(also MEDI 442) Common Grounds in European Medieval Literature
FRAN 434 (1.5)	Medieval and Renaissance Theatre
FRAN 430* (1.5)	Studies in French Literature before 1800
GERS 411 (1.5)	Medieval German Literature
HIST 320 (1.5-3.0)	Seminar in Medieval England
HIST 320A (1.5-3.0)	Crime and Criminality in Medieval England
HIST 380A (1.5-3.0)	Seminar in Medieval Europe
HIST 380D (1.5-3.0)	Individual, Family and Community in Medieval Society
HIST 380E (1.5-3.0)	Medieval Foundations of the Western Legal Tradition
HIST 380G (1.5)	Medieval Law and Literacy
HA 321 (1.5)	Late Antique and Early Christian History in Art
HA 323 (1.5)	Byzantine History in Art
HA 326 (1.5)	Early Medieval History in Art
HA 328 (1.5)	Gothic Art and Architecture
HA 340A (1.5)	The 15th Century in Northern Europe
HA 352 (1.5)	Genesis of Islamic Art and Architecture
HA 354 (1.5)	Medieval Islamic Art and Architecture
HA 357 (1.5)	Amirates and Sultanates of the Muslim Empire
HA 420 (1.5)	Advanced Seminar in Medieval Art
HA 450 (1.5-3.0)	Advanced Seminar in Islamic Art and Civilization
ITAL 303 (1.5)	Medieval Italian Culture and Literature (in English)
ITAL 470 (1.5)	Dante's Divine Comedy (in English)
ITAL 472A (1.5)	Boccaccio's Decameron (in English)
ITAL 472B (1.5)	Francis Petrarch: His Life as Literature (in English)
PHIL 305A (1.5)	Early Medieval Philosophy
PHIL 305B (1.5)	Later Medieval Philosophy
POLI 300A (1.5)	Ancient and Medieval Political Thought
SPAN 470 (1.5)	Medieval Literature
SPAN 490A (1.5)	History of the Spanish Language
THEA 315 (1.5)	Studies in Medieval Theatre

* Permissible if the topic of the course addresses the Medieval period

Background and Comparative Courses

Students, especially those considering graduate studies in the field of Medieval Studies, are

urged to take advantage of the Latin courses offered by the Department of Greek and Roman Studies. Since the study of ancient Greece and Rome provides an excellent background for Medieval Studies, and because medieval culture has a number of analogues in non-European cultures, the following background and comparative courses are useful electives. HIST 236 (Medieval Europe) is also suggested.

ANTH 304 (1.5)	Technology in Culture
ANTH 305 (1.5)	Anthropology of the Arts
ANTH 306 (1.5)	Folklore in Contemporary Society
ANTH 310 (1.5)	Anthropological Approaches to Comparative Religion
ANTH 332 (1.5)	Ethnology of Europe
ENGL 410 (3.0)	Backgrounds to English Literary Traditions
GRS 300 (1.5)	Greek Epic
GRS 301 (1.5)	Tradition and Originality in Classical Literature
GRS 322 (1.5)	Greek and Roman Comedy
GRS 335 (1.5)	Women in the Greek and Roman World
GRS 341 (1.5)	Roman History
GRS 342 (1.5)	Roman Society
GRS 372 (1.5)	Art and Architecture of the Roman World
GRS 375 (1.5)	Cities and Sanctuaries of the Ancient World
GRS 376 (1.5)	Ancient Technology
GRS 381 (1.5)	Greek and Roman Religion
GRS 442 (1.5)	Roman Law and Society
GRS 480 (1.5)	Seminar in Ancient History and Archaeology
HA 348 (1.5)	Introduction to Islamic Archaeology
HA 351A (1.5)	Painting in Medieval Islam
HA 358 (1.5)	Islam and Asia
HA 371 (1.5)	Early Chinese Art
LATI 301 (1.5)	Vergil
LATI 402 (1.5)	Roman Drama
LATI 404 (1.5)	Roman Satire
LATI 406 (1.5)	Roman Epic
PHIL 301 (1.5)	Plato
PHIL 303 (1.5)	Aristotle
SPAN 471A (1.5)	The Female Voice in Medieval Poetry
SPAN 471B (1.5)	Miracle Stories in the Marian Tradition
SPAN 471C (1.5)	Special Topics in Medieval Literature (in English)

Department of Pacific and Asian Studies

M. Cody Poulton, BA, MA, PhD (U of T), Professor and Chair of the Department

Martin Adam, BA (Calgary), MA (Waterloo), PhD (McGill), Associate Professor

Michael H. Bodden, BA, MA, PhD (Wis, Madison), Associate Professor

Leslie Butt, BA (Trent), MA (SFU), PhD (McGill), Associate Professor

Timothy Iles, BA, MA (UBC), PhD (U of T), Associate Professor

Richard King, BA, MA (Cantab), PhD (UBC), Associate Professor

Hiroko Noro, BA, MA (Aoyama Gakuin), PhD (U of T), Associate Professor

Shelly Chan, BA, MA (UBC), MA, PhD (UC Santa Cruz), Assistant Professor

Katsuhiko Endo, BA (SUNY Binghamton), MA (Cornell), PhD (NYU), Assistant Professor

Tsung-Cheng Lin, BA (FJU, Taiwan), MA (IU Bloomington), PhD (UBC), Assistant Professor

R. Christopher Morgan, BA, MA (UVic), PhD (ANU), Assistant Professor

Daromir Rudnycky, BA (UChicago), MA, PhD (UC Berkeley), Assistant Professor

Yasuko France, BA (Tokyo), MEd (UMass), Senior Instructor

Mika Kimura, BA, MA (UVic), Senior Instructor

Nozomi Riddington, BA (Tokyo Women's Christian), MA, MFA (UMass), MA (UBC), Senior Instructor

Karen Kai-Ying P. Tang, BA (National Taiwan Normal U), MA (UBC), Senior Instructor

Jun Tian, BA (Shaanxi Normal U, China), MA (NW Polytechnical U, China), MA (York), Senior Instructor

Adjunct, Emeritus, Visiting and Cross-listed Appointments

James A. Boutilier, BA (Dal), MA (McM), PhD (Lond), Adjunct Professor

Daniel J. Bryant, BA, PhD (UBC), Professor Emeritus

Robert E. Florida, MechEng (Cincinnati), BD (Tufts), MA, PhD (McM), Adjunct Professor

Harry Hsin-i Hsiao, BA (Tunghai), MA, PhD (Harv), Associate Professor Emeritus

David Chuenyan Lai, BA, MA (HK), PhD (Lond), Adjunct Professor

Joe B. Moore, BA (Wyo), MA (UC Berkeley), PhD (Wis), Associate Professor Emeritus

Jordan Paper, AB (UChicago), MA, PhD (Wis, Madison), Adjunct Professor

Yuen-fong Woon, BA, MA (HK), PhD (UBC), Professor Emeritus

PACIFIC AND ASIAN STUDIES PROGRAMS

The Department of Pacific and Asian Studies offers BA programs that address a cross-regional, multi-disciplinary and multi-cultural approach to the study of the Asia-Pacific, with courses in three languages (Chinese, Japanese and Indone-

sian-Malay), four regions (China, Japan, South-east Asia and Oceania) and a wide range of academic disciplines in both the Humanities and the Social Sciences.

The department offers the following programs leading to the degree of Bachelor of Arts:

- Chinese Studies (General/Minor)
- Japanese Studies (General/Minor)
- Pacific and Asian Studies (Honours, Major, General/Minor)
- Southeast Asian Studies (General/Minor)

Co-operative Education Programs

Please, see page 143.

Admission to Courses

Students are advised that because of limited staff and facilities it may be necessary to restrict enrolment in some courses.

Students proceeding toward a Major or General degree in Pacific and Asian Studies will be given priority over students in other programs. Students who wish to repeat a course at any level will be given lower priority than students taking the course for the first time.

For admission to most language courses numbered 111, 121, or 131 or above, a minimum grade of B, or in some cases higher, in the prerequisite course is required. As language courses are limited to 25 students per section, the department reserves the right to rank students according to their grades for the prerequisite course. Students are warned that all Pacific and Asian Studies degree programs include a language requirement; students who fail to complete the language requirement will not be permitted to graduate in the program.

Satisfaction of the University English Requirement is prerequisite to registration in all courses numbered 300 or higher.

Placement Tests of Transfer Students

Although transfer students may be given credit for language courses taken at their previous institution, they will not be guaranteed admittance to more advanced language courses in this department.

Students who may be considered native speakers of Indonesian, Japanese or any form of Chinese should consult the statements on "native speakers" at the head of the course listings.

Students who wish to continue their language studies should consult the department before registration and may be required to take a placement test to determine the level at which they should register. Transfer students who register in language courses without such consultation are advised that the department's policies concerning minimum grades in prerequisite courses apply to them; if they register for a language course without consulting the department they may be required to drop the course or transfer to a different level once classes begin.

Transfer Credit

Students are encouraged to study at Universities in the Asia Pacific region; the department recognizes a range of courses in language and other topics from these institutions for transfer credit. In specific circumstances, the faculty regulation for the Major Program that at least 12 of the 15 units numbered 300 or 400 are required to be

taken at UVic may be lowered to 9 for students who complete at least 9 units at a university in the Asia-Pacific region.

PACIFIC AND ASIAN STUDIES PROGRAM REQUIREMENTS

Honours Program

Students interested in the Honours Program should consult with the Pacific and Asian Studies Honours Adviser. Program requirements are the same as for the Major, with the addition of:

- 1.5 units of PAAS courses numbered 300 or higher;
- PAAS 499 (1.5)

Major Program

The Major Program includes core courses required for all students, as well as courses of both an integrative and specialized nature, from which students may choose. The requirements provide for both breadth and specialization in terms of geographical or linguistic interest.

- PAAS 100 (1.5)
- PAAS 200 (1.5)
- One of PAAS 300, 301, 302 (1.5)
- PAAS 400 (1.5)
- 12 units of PAAS courses numbered 300 or higher
- 9.0 units of Chinese or Japanese language; or 6 units of study in Indonesian/Malay language plus 3.0 units of lower-level courses related to Southeast Asia chosen from PAAS 170, 171, 205, 295.

General and Minor Program

Chinese Studies

- PAAS 100 (1.5)
- 9.0 units of PAAS courses numbered 300 or higher chosen from 350-359, 450-459

Language Requirement for Native Speakers of Chinese:

- 6.0 units of Chinese language chosen from PAAS 212, 312, 313, 410, 459, 497

Language Requirement for non-Native Speakers of Chinese:

- 6.0 units of Chinese language chosen from PAAS 110, 111, 210, 211, 310, 311

Japanese Studies

- PAAS 100 (1.5)
- 9.0 units of PAAS courses numbered 300 or higher chosen from PAAS 380-399, 480-488
- 6.0 units of Japanese language courses chosen from PAAS 130, 131, 230, 330, 331, 332, 333, 334 (Native speakers may substitute other Japan-related courses chosen in consultation with the program adviser.)

Pacific and Asian Studies

- PAAS 100 (1.5)
- PAAS 200 (1.5)
- 4.5 units of 100-200 level PAAS courses
- 9.0 units of PAAS courses numbered 300 or higher chosen from PAAS 303, 307, 308, 364, 365, 401, 403, 405, 406, 409, 464, 465, 466

Southeast Asian Studies

- PAAS 100 (1.5)
- 9.0 units of PAAS courses numbered 300 or higher chosen from PAAS 368 to 373; 467, 468

- 6.0 units of Indonesian/Malay language courses chosen from PAAS 120, 121, 220, 221 (Native speakers may substitute other South-east-Asia-related courses chosen in consultation with the program adviser.)

Department of Philosophy

James O. Young, BA (S Fraser), MA (Wat), PhD (Bost), Professor and Chair of the Department

Conrad Brunk, BA (Wheaton), MA, PhD (Northwestern), Professor

Eike-Henner W. Kluge, BA (Calg), AM, PhD (Mich), Professor

Jeffrey E. Foss, BA (Alta), MA, PhD (W Ont), Professor

James H. Tully, BA (UBC), PhD (Cambridge), Professor

Cindy L. Holder, BA (McGill), MA (Dal), PhD (Arizona), Associate Professor

Colin Macleod, BA (Queen's), MA (Dalhousie), PhD (Cornell), Associate Professor

Patrick W. Rysiew, BA (S Fraser), MA (Dal), PhD (Arizona), Associate Professor

David Scott, BA, MA (Memorial), PhD (Reading), Associate Professor

Scott Woodcock, BA (BC), MA, PhD (Tor), Associate Professor

Margaret Cameron, BA (Tor), MA (Dal), PhD (Tor), Assistant Professor and Canada Research Chair in the Aristotelian Tradition

Michael J. Raven, BA (Reed College), MA (NYU), PhD (NYU), Assistant Professor

Audrey Yap, BA (UBC), PhD (Stanford), Assistant Professor

Joshua Wilburn, BA (Texas), PhD (Princeton)

Key Contact: Philosophy Chair, 721-7512

PHILOSOPHY PROGRAMS

The Department of Philosophy offers Honours, Major and General programs leading to the Bachelor of Arts degree. The department also offers courses toward an interdisciplinary Minor in Applied Ethics. See page 222 for further information.

Program Planning

Although PHIL 100 is not required for a Major or Honours degree in Philosophy, students planning to take a Philosophy degree are advised to take this course in their first year. They are strongly advised to satisfy the logic requirement (at least two of PHIL 201, 203, 370) by the end of their second year of study. Students are advised that some 200-level courses (PHIL 201, 203, 211, 220, 236, 240, 260) are prerequisites for advanced courses. Students are advised to take, in their second year of study, the 200-level courses which are the prerequisites for the advanced courses they plan to take. Students intending to take a Major or Honours degree are strongly advised to discuss their plans with the department's undergraduate adviser.

Co-operative Education Programs
Please, see page 143.

PROGRAM REQUIREMENTS

Honours Program

30 units of courses in Philosophy: Of these, at least 21 must be numbered 300 or higher.

In completing an Honours degree in Philosophy, students must include these courses in their degree programs:

at least two of PHIL 201, 203, 370.....	3.0
PHIL 301.....	1.5
PHIL 303.....	1.5
PHIL 306.....	1.5
PHIL 308.....	1.5
PHIL 309.....	1.5
PHIL 335.....	1.5
PHIL 338.....	1.5
PHIL 499.....	1.5

An additional 9.0 units of Philosophy courses numbered 300 and above (excluding PHIL 321, 330, 331, 333, 381, 383)9.0

6.0 units of Philosophy courses (any level)3.0
PHIL 232, 335 and 337 may not be counted toward both an Honours degree in Philosophy and a Minor in Applied Ethics.

To obtain an Honours degree, a student must have at least a 3.5 graduating GPA and have at least a 5.0 average in all credit courses taken in Philosophy.

Major Program

21 units of courses in Philosophy. Of these, at least 15 must be numbered 300 or above.

In completing a Major degree in Philosophy, students must include these courses in their degree programs:

at least two of PHIL 201, 203, 370	3.0
PHIL 301	1.5
PHIL 303	1.5
PHIL 306	1.5
PHIL 308	1.5
PHIL 309	1.5
PHIL 335	1.5

An additional 6.0 units of Philosophy courses numbered 300 and above (excluding 321, 330, 331, 333, 381, 383) 6.0

3.0 units of Philosophy courses (any level)3.0
PHIL 232, 335 and 337 may not be counted toward both a Major degree in Philosophy and a Minor in Applied Ethics.

General and Minor Programs

9.0 units of courses in Philosophy numbered 300 or above with all prerequisites satisfied 9.0
PHIL 232, 335 and 337 may not be counted toward both a General or Minor degree in Philosophy and a Minor in Applied Ethics.

Religious Studies Program

Director: Martin Adam, BA (Calgary), MA (Waterloo), PhD (McGill), Assistant Professor, Department of Pacific and Asian Studies

The program introduces students to the academic discipline of Religious Studies with a particular focus on the place and function of religions in society both today and in the past. Formal study of the religious traditions that one finds throughout the world and throughout history is widely considered to be an integral part of humanistic studies. The program reflects the growing diversity of belief systems within Canada and emphasizes the need to understand differences between religions in our increasingly interconnected world. Students will be introduced to the major world religions and contemporary religious issues, learn ways of understanding religion and develop their knowledge of specific religious subjects.

Religious Studies offers Major, General and Minor programs leading to the degree of Bachelor of Arts. Students may also undertake the Major in Religious Studies together with a Major Program in another department (see Double Major, page 142), or with a Major in another faculty (see Interfaculty Program, page 143). By completing the requirements for the General Program together with a Major or Honours Program in another department or faculty, students may obtain a Minor (see Minor, page 143).

Students interested in pursuing a program in Religious Studies should consult with the Program Director, c/o Faculty of Humanities Interdisciplinary Office, Clearihue D264.

Website: <web.uvic.ca/rels>

Co-operative Education Programs
Please see page 143.

PROGRAM REQUIREMENTS

Major Program

The Religious Studies Major requires 6 units of courses at the 100 or 200 level and 15 units at the 300 or 400 level.

Required Courses

Lower-Level:

RS 200A Introduction to Judaism, Christianity and Islam.....1.5
RS 200B / PAAS 204 Introduction to Hinduism, Buddhism, Sikhism and the Chinese Religions.....1.5
3 units of courses, selected from the list of Eligible Courses at the 100 or 200 level.....3.0

Upper-Level:

RS 301 Contemporary Religious Issues1.5
RS 302 Ways of Understanding Religion.....1.5
RS 401 Topics in Religious Studies or RS 403 Studies in Religion and Society1.5
RS 450 Capstone Seminar1.5
9 units of courses numbered 300 and above selected from RS offerings and from the list of Eligible Courses (no more than 4.5 units may be selected from any one department).....9.0

General and Minor Programs

Religious Studies may be taken as part of a General Program or, as a Minor, together with an Honours or Major program in another department or faculty. If any upper-level course forms part of the student's Honours, Major, or General program, it cannot be used to fulfill the requirements for the Minor in Religious Studies.

Required Courses

Lower-Level:

RS200A Introduction to Judaism, Christianity and Islam.....1.5
RS200B / PAAS 204 Introduction to Hinduism, Buddhism, Sikhism and the Chinese Religion1.5

Upper-Level:

RS301 Contemporary Religious Issues1.5
RS302 Ways of Understanding Religion.....1.5
6 units of courses numbered 300 and above selected from the list of Eligible Courses6.0

Eligible Courses

See <web.uvic.ca/rels/electeddepartments.htm> for a list of courses that are available each year.

ANTH 310	Anthropological Approaches to Comparative Religion
ENGL 393	Myth and Literature
ENGL 409	The Bible in English
GRS 200	Greek & Roman Mythology
GRS 328	Myth and Theory
GRS 349	Jews and Christians in the Roman World
GRS 381	Greek & Roman Religion
HA 221	The Christian Tradition in Western Art & Architecture
HA 270	Religion, Philosophy, and the Arts in China & Japan
HA 321	Late Antique & Early Christian History in Art
HA 323	Byzantine History in Art
HA 348	Introduction to Islamic Archaeology
HA 352	The Genesis of Islamic Art and Architecture
HA 354	Medieval Islamic Art and Architecture
HA 358	Islam and Asia
HA 358	Islamic Art from the Mongol Conquests to the Dawn of the Modern Era
HA 371	Early Chinese Art
HIST 328	Death and the Afterlife in Early Modern England
HIST 361	The Reformation
HIST 443	Religion and the State in the Modern Middle East
HIST 455	Foundations of Islamic Civilization
MEDI 200	Myths and Legends of the Middle Ages
MEDI 303	The Medieval World
PAAS 270	Ethical Issues in Contemporary Asian Societies
PAAS 295	Islam in the Asia-Pacific
PAAS 305	Religions of East Asia
PAAS 306	Indo-Tibetan Religious Traditions

PAAS 307	Spiritual Economies: Globalization and Religion
PAAS 308	Religion and Power
PAAS 493	Readings in Buddhism
PHIL 204	Eastern Philosophy: The Chinese Tradition
PHIL 205	Eastern Philosophy: The Indian Tradition
PHIL 206	Eastern Philosophy: The Japanese Tradition
PHIL 208	Introduction to Arabic Philosophy
PHIL 209	Philosophy and First Nations Thought
PHIL 261	Philosophy of Religion
SOCI 310	Religion in Society

Additional Eligible Courses:

"Topics" courses (especially in English, History and Medieval Studies) will be accepted for credit at the Program Director's discretion, dependent upon the applicability of the material covered in the course, the approach of the course, and the assignments completed by the student.

Department of Women's Studies

Annalee Lepp, BA (Winnipeg), MA (Manitoba), PhD (Queen's), Associate Professor and Chair of the Department

Christine St. Peter, BA (Tor), MA (York), PhD (Tor), Professor

Sikata Banerjee, BA (Dartmouth), MA (Denv), PhD (Wash), Professor

Jo-Anne Lee, BA (S Fraser), MA (Brit Col), PhD (Sask), Associate Professor

Christine Welsh, BA (Regina), Associate Professor

Laura Parisi, BA (Vermont), MA (Arizona), PhD (Arizona), Assistant Professor

Heather Tapley, BA, MA (Valdosta State), PhD (Alberta), Assistant Professor

Visiting, Adjunct and Cross-listed Appointments

Jennifer Waelti-Walters, BA (Lond), L-ès-L. (Lille), PhD (Lond), Professor Emerita

Deborah R. Yaffe, BA (Calif, Los Angeles), BEd (Lond), MA (UVic), Senior Instructor Emerita

Joan Coldwell, BA, MA (Lond), PhD (Harvard), Adjunct Professor

Brishkai Lund, BA (San Diego), MA, ABD (Wash), Adjunct Assistant Professor

Student Information: 250-721-7378

WOMEN'S STUDIES PROGRAMS

Women's Studies offers Honours, Major and General programs leading to a Bachelor of Arts (BA). The Women's Studies program examines the complex and fascinating ways power circulates through the lives of individuals and groups. Both teaching and research practices explore the meanings of analytical categories including gender, race, class, sexual orientation, age, ability, citizenship, and national identity. Women's Studies explores the ways these cate-

gories dynamically intersect to create a world with complex systems of inequities both within Canada and across the globe. Women's Studies scholarship uses diverse feminist theories to explore social structures, histories of ideas, and varieties of cultural production.

Students interested in pursuing a program in Women's Studies should consult the department Chair or Student Adviser at an early stage in their undergraduate studies. See page 141 for information on declaring a degree program. Students must have declared their Women's Studies program to be eligible for Women's Studies bursaries and scholarships.

The Division of Continuing Studies offers non-degree courses on a variety of themes focusing on women. For more information, call Continuing Studies at 250-472-4747.

Co-operative Education Programs

Please, see page 143.

Graduate Program

While the Women's Studies department does not have a graduate program, it occasionally offers courses under the auspices of the Faculty of Graduate Studies. See the UVic Graduate Calendar for details, or contact Women's Studies, 250-721-7378.

PROGRAM REQUIREMENTS

Admission to Courses

Women's Studies courses are open to all University of Victoria students. In all required courses, registration priority will be given to students with:

1. A declared Major or Honours in Women's Studies
2. A declared Minor or General Program in Women's Studies
3. Previous courses in Women's Studies

Honours Program

Students interested in the Honours Program should consult with the Honours Adviser during their third year. All terms of acceptance must be met no later than June 30 of the term preceding their enrolment in WS 499.

Terms of acceptance for the Honours Program:

- A GPA of at least 6.5 in five upper-level Women's Studies courses
- A minimum GPA of 4.5 in all other courses
- Written permission of their proposed WS 499 supervisor

Honours Requirements

- WS 104
- One of WS 203, 204, 205, 206, 207, 219
- 21 units of upper-level credit, which must include WS 400A, 430 and 499
- May NOT include WS 400B

Students may take more than the required units of Women's Studies courses as electives.

Major Program

Students may combine the requirements of a Major Program in Women's Studies and a Major in another discipline to obtain a Double Major.

Major Program Requirements

- WS 104
- One of WS 203, 204, 205, 206, 207, 219
- 15 units of upper-level credit, which must include WS 400A, 400B and 430

Students may take more than the required units of Women's Studies courses as electives.

General and Minor Programs

A General Program leading to a BA is also offered. Students may obtain a Minor degree in Women's Studies by combining the General Program requirements in Women's Studies with a Major or Honours in another department or faculty.

General Program Requirements

- WS 104
- One of WS 203, 204, 205, 206, 207, 219
- 9 units of upper-level WS credit, which may include WS 430 (recommended)

Students may take more than the required units of Women's Studies courses as electives.

Course Index

First Year

WS 104 (1.5) Introduction to Women's Studies

Second Year

(Prerequisites are specified under individual course descriptions)

WS 203 (1.5) Popular Culture
 WS 204 (1.5) Fast Feminisms: Past and Present
 WS 205 (1.5) Women, Food and Culture
 WS 206 (1.5) Globalization and Resistance
 WS 207 (1.5) Indigenous Women in Canada
 WS 219 (1.5) Topics in Women's Studies

Third Year

(Prerequisites are specified under individual course descriptions)

Economies, States and Global Issues

WS 311 (1.5) Sex Work, Trafficking and Human Rights
 WS 314 (1.5) Women, Race and Empire
 WS 315 (1.5) Gender and International Human Rights
 WS 316 (1.5) Gender and International Development
 WS 319 (1.5) Topics in Economies, States and Global Issues

Power, Identities and Difference

WS 321A (1.5) Topics in Queer Theory
 WS 322 (1.5) Women, Law and Resistance: Historical Perspectives
 WS 323 (1.5) Topics in Women's Health
 WS 325 (1.5) Women in Contemporary India
 WS 326 (1.5) Gender, Nation and War
 WS 329 (1.5) Topics in Power, Identities and Difference

Feminist Theories and Activism

WS 332A (1.5) Monstrous Women
 WS 334 (1.5) What's Race Got to Do With It? Theories of Race, Racism and Racialization
 WS 335A (3.0) Applied Principles and Practices in Feminist Participatory Action Research (FPAR)
 WS 336 (1.5) Anti-Racist Feminisms and Democratic Futures
 WS 337 (1.5) The Body
 WS 338 (1.5) Transnational Feminist Theories
 WS 339 (1.5) Topics in Feminist Theories and Activism

Film, Literature and Cultural Production

WS 340 (1.5) Indigenous Cinema: De-Colonizing the Screen
 WS 341 (1.5) Narrated Lives: Indigenous Women's Auto/biographies
 WS 343 (1.5) Topics in Irish Women's Studies
 WS 344 (1.5) Reimagining History in Contemporary Women's Fiction
 WS 345 (1.5) Lesbian and Queer Literature
 WS 349 (1.5) Topics in Film, Literature and Cultural Production

Fourth Year

(Prerequisites are specified under individual course descriptions)

WS 400A (1.5) Feminist Research Practices
 WS 400B (1.5) Research Seminar for Independent Project
 WS 430 (1.5) Theorizing Feminisms
 WS 450 (3.0) Practising Feminism in the Field
 WS 480 (1.5) Advanced Seminar in Women's Studies
 WS 490 (1.5) Directed Studies
 WS 499 (3.0) Honours Graduating Essay

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Faculty of Law



Legal studies equip students with the foundation of legal knowledge and skills needed for the practice of law and for the many professional roles in which legal training is invaluable. As well as introducing students to the concepts, processes and institutions of our legal system, the LLB program seeks to develop in students an understanding of the context—social, economic, historical, philosophical and cultural—in which our legal system has developed and continues to evolve. Students in the program have opportunities to explore the many specialized areas of legal training and to gain practice in the skills of legal research and writing, argument, advocacy and other applications of the law.

Faculty and Other Officers

Elizabeth Adjim-Tettey, LLB (Ghana), LLM (Queen's), LLM (Calgary), DJur (Osgoode), Barrister-at-Law (Ghana), Professor and Associate Dean Administration and Research

Benjamin L. Berger, BA Honours (Alberta), LLB (UVic), LLM (Yale), JSD (Yale), of the Bar of Ontario, Associate Professor

John Borrows, BA, MA, JD, LLM (Toronto), PhD (Osgoode), Law Foundation Professor of Aboriginal Justice and Governance. On leave

Gillian Calder, BA, LLB (UBC), Diploma in University Teaching (UNB), LLM (Osgoode), of the Bar of British Columbia, Associate Professor

Neil A. Campbell, BA Honours (UBC), LLB (UVic), MLS (UBC), of the Bar of British Columbia, Associate Professor and Law Librarian

James L. Cassels, QC, BA (Carleton), LLB (Western), LLM (Columbia), of the Bar of British Columbia, Professor. On leave

M. Cheryl Crane, BA, LLB (Saskatchewan), LLM (Cambridge), of the Bar of Saskatchewan, Associate Professor

Maneesha Deckha, BA (McGill), LLB (Toronto), LLM (Columbia), Associate Professor

Gerard A. Ferguson, BA (St Patrick's), LLB (Ottawa), LLM (NY), of the Bar of Ontario, University of Victoria Distinguished Professor

Hamar Foster, BA (Queen's), MA (Sussex), LLB (UBC), MJur (Auckland), FR Hist S, of the Bar of British Columbia, Professor

Judy Fudge, BA Honours (McGill), MA (York), LLB (Osgoode), DPhil (Oxford), Lansdowne Chair in Law and Director of the Graduate Program in Law

Glenn Gallins, QC, BA (Wisconsin), MS (Wisconsin), LLB (UBC), LLM (London), of the Bar of British Columbia, Associate Professor and Director of the Law Centre Clinical Legal Education Program

J. Donald Galloway, LLB (Edinburgh), LLM (Harvard), Professor

Mark R. Gillen, BComm (Toronto), MBA (York), LLB (York), LLM (Toronto), Professor

Donna Greschner, BComm (Saskatchewan), LLB (Saskatchewan), BLC (Oxford), of the Bars of California and Saskatchewan, Professor and Dean

Andrew J. Harding, MA (Oxford), LLM (Singapore), PhD (Monash), Professor of Asia Pacific Legal Relations and Director of the Centre for Asia Pacific Initiatives (CAPI)

Kim Hart Wensley, BA (Trent), LLB (UVic), of the Bar of British Columbia, Senior Instructor. On leave

James C. Hopkins, BA, JD (Toronto) LLM/ITP (Harvard), of the Bar of Ontario, National Aboriginal Economic Development Chair

Robert G. Howell, LLB (Wellington), LLM (Illinois), of the Bar of New Zealand, Professor

Rebecca Johnson, BMus (Calgary), MBA (Alberta), LLB (Alberta), LLM (Michigan), Diploma in University Teaching (UNB), SJD (Michigan), of the Bar of Alberta, Professor

Freya Kodar, BA (McGill), LLB (UVic), LLM (York), Assistant Professor

Hester A. Lessard, LLB (Dalhousie), LLM (Columbia), Professor

Colin Macleod, BA (Queen's), MA (Dalhousie), PhD (Cornell), Associate Professor

Maureen A. Maloney, QC, LLB (Warwick), LLM (Toronto), of the Bar of British Columbia, Lam Chair in Law and Public Policy and Director of the Institute for Dispute Resolution

Maxine Matilpi, LLB (UVic), of the Bar of British Columbia, Director of the Academic and Cultural Support Program

Theodore McDorman, BA (Toronto), LLB, LLM (Dalhousie), of the Bar of Nova Scotia, Professor

R. Michael M'Gonigle, BA (UBC), LLB (Toronto), MSc (LSE), LLM, JSD (Yale), of the Bars of the District of Columbia and British Columbia, Eco Research Chair in Environmental Law and Policy

Andrew Newcombe, BSc Honours (King's College), LLB (UVic), LLM (Toronto), of the Bar of British Columbia, Associate Professor

Martha O'Brien, BA, LLB (UVic), LLM (Université Libre de Bruxelles), of the Bar of British Columbia, Associate Professor

Andrew J. Pirie, BA (Waterloo), LLB (Dalhousie), LLM (Wellington), of the Bar of Ontario, Professor

D. Heather Raven, BA, LLB (UBC), of the Bar of British Columbia, Senior Instructor and Associate Dean Academic and Student Relations

Chris Tollefson, BA (Queen's), LLB (UVic), LLM (Osgoode), of the Bar of British Columbia, Professor

Jim Tully, BA (UBC), PhD (Cambridge), Distinguished Professor of Political Science, Law, Indigenous Governance and Philosophy

Mary Anne Waldron, QC, BA (Brandon), LLB (Manitoba), LLM (UBC), of the Bar of British Columbia, Professor.

Jeremy Webber, BA (UBC), LLB (McGill), LLM (Osgoode), Canada Research Chair in Law and Society

Professional Staff

Yvonne M. Lawson, BA (McGill), Manager of Academic Administration and Student Services

Jennifer Moroskat, BSc (Alberta), Law Careers Officer

Anne Pappas, BA, BEd, LLB (Windsor), Barrister and Solicitor of Osgoode Hall, Manager of Development, Alumni and External Relations

Holly Pattison, BFA (UVic), Program Administrator, Environmental Law Centre

Stephen Perks, BA (UVic), LLB (UVic), of the Bar of British Columbia, Assistant Director of the Law Centre Clinical Law Program

Janet L. Person, BBA (SFU), Admissions Officer

Francine Proctor, BEd (UBC), LLB (UVic), of the Bar of British Columbia, Law Cooperative Education Coordinator

Krista Sheppard, BHSc (Western), Development and External Relations Coordinator

Tom Winterhoff, Communications Officer

Dawn Zacour, Admissions and Financial Aid Officer

Visiting, Adjunct, Emeritus and Cross-listed Appointments

Donald Casswell, BSc (Toronto), LLB (Osgoode), LLM (Toronto), of the Bar of Ontario, Professor Emeritus

Deborah L. Curran, BA Honours (Trent), LLB (UVic), LLM (California at Berkeley), Senior Instructor and Program Director of the Environmental Law Centre

Meinhard Doelle, BSc, LLB (Dalhousie), LLM (Osgoode), JSD (Dalhousie), Adjunct Professor

Peter A. Gall, QC, BA (Manitoba), LLB (Osgoode), LLM (Harvard), of the Bar of British Columbia, Adjunct Professor

George C. Glover, BA (Western), LLB (Toronto), of the Bar of Ontario, Adjunct Professor

Rod Hayley, BA Honours (UVic), PhD (London), LLB (Queen's), of the Bars of British Columbia and Saskatchewan, Adjunct Professor

Hudson Janisch, BA (Rhodes), MA, LLB (Cambridge), MCL, LLM, JSD (Chicago), Adjunct Professor

Nils Jensen, BSc (Ottawa), LLB (Osgoode), LLM (London), of the Bar of British Columbia, Adjunct Professor

Keith Jobson, BA, BEd (Saskatchewan), LLB (Dalhousie), LLM, JSD (Columbia), of the Bar of British Columbia, Professor Emeritus

John R. Kilcoyne, LLB (UVic), LLM (Osgoode), called to the Bar of British Columbia, Professor Emeritus

Peter D. Maddaugh, BA (Queen's), LLB, MA (Toronto), LLM (Harvard), of the Bar of Ontario, Adjunct Professor

Sandra K. McCallum, BJur, LLB (Monash), LLM (UBC), of the Bar of British Columbia, Professor Emeritus

Michael Manson, BSc (McGill), DipEd (UBC), LLB (UBC), of the Bar of British Columbia, Adjunct Professor

John P. S. McLaren, LLB (St Andrews), LLM (London), LLM (Michigan), LLD (Calgary), Professor Emeritus

Catherine Morris, BA, LLB (Alberta), LLM (UBC), of the Bar of British Columbia, Adjunct Professor

William A. W. Neilson, BComm (Toronto), LLB (UBC), LLM (Harvard), of the Bar of British Columbia, Professor Emeritus

T. Murray Rankin, QC, BA (Queen's), LLB (Toronto), LLM (Harvard), of the Bar of British Columbia, Adjunct Professor

Tim Richards, BA (Carleton), LLB, BEd, (UVic), Senior Instructor and Legal Research and Writing Program Instructor

Lyman R. Robinson, QC, BA, LLB (Saskatchewan), LLM (Harvard), of the Bar of British Columbia, Professor Emeritus

Calvin Sandborn, of the Bar of British Columbia, Adjunct Assistant Professor and Legal Director of the Environmental Law Centre

Judith Sayers, LLB (UBC), of the Bars of Alberta and British Columbia, Adjunct Professor

Donovan W.M. Waters, QC, FRSC, BA, BCL, MA (Oxford) PhD (London), DCL (Oxford), LLD (UVic), of the Bar of England and the Bar of British Columbia, Professor Emeritus

General Information

The Faculty of Law offers a three-year program leading to the Bachelor of Laws (LLB) degree. The faculty's LLB program qualifies students for articles and the practice of law in all provinces and territories except Quebec.

The faculty also offers the following programs:

- Concurrent LLB/Master of Business Administration
- Concurrent LLB/Master of Public Administration
- LLB/BCL (Civil Law Degree Graduates)

Co-operative Education Programs

Please, see page 168.

LIMITATION OF ENROLMENT

Applicants for admission to the Faculty of Law should be aware that the number of applicants who meet the minimum requirements for eligibility far exceeds the number of places available. Candidates who meet admission requirements are not guaranteed admission to the faculty.

Faculty Admissions

APPLICATION FOR ADMISSION

Information concerning admission is available from the Law Admissions Office or our website at <law.uvic.ca>. Our on-line application form can also be accessed through the website.

All first year applications must be submitted by February 1. However, applicants in the Regular category are strongly encouraged to submit applications as early as possible, as offers will be made on a continual basis beginning in November.

Inquiries relating to admission to the Faculty of Law should be addressed to the Law Admissions Office:

Faculty of Law
University of Victoria
PO Box 2400 STN CSC
Victoria BC V8W 3H7
Phone: 250-721-8151
Fax: 250-721-6390
Email: lawadms@uvic.ca
Web: <law.uvic.ca>

Please note that admission to the Law Faculty is at the sole discretion of the Faculty's Admissions Committee.

ADMISSION TO THE FIRST-YEAR PROGRAM

Regular Applicants

To be considered for admission to the Faculty of Law, Regular applicants must:

- present proof of having received, with standing satisfactory to the Faculty of Law, a degree from the University of Victoria or an equivalent degree from a recognized college or university; or
- present proof of having completed, with standing satisfactory to the Faculty of Law, at least the first three years (45 units) of a program leading to a degree at the University of Victoria, or the equivalent at a recognized institution.

In addition, each applicant must submit a Law School Admission Test (LSAT) score that is not more than five years old and satisfy such other requirements as may be prescribed from time to time.

Determination of Admissibility

Admission decisions are primarily determined by a candidate's pre-law academic record and Law School Admission Test (LSAT) score. Where an applicant has multiple LSAT scores, the highest score is considered. A preliminary index number is calculated using an applicant's grade point average (weighted 70 percent) and LSAT score (weighted 30 percent). Added to this number is a subjective assessment of the applicant's extra-curricular activities, community involvement, work experience and personal characteristics.

Special Access Applicants

To qualify under the Special Access category, an applicant's academic achievements or LSAT score must have been adversely affected by:

- cultural background, economic circumstances, medical or learning disability or other relevant factors; or
- family or similar responsibilities and the consequent need to attend to these responsibilities or to maintain employment.

Selection from qualified Special Access applicants will be made on the basis of the applicant's:

- achievements in occupational endeavours, and community, public service and cultural activities that indicate an ability to succeed in law school;
- academic performance in any educational or training programs or courses; and
- LSAT score.

An applicant who has not completed the minimum academic requirements for admission in the Regular category should demonstrate why it would be unreasonable to expect the applicant to complete the minimum academic requirements prior to the commencement of law school.

Applicants who have less than three years of post-secondary education at the university or college level are very rarely admitted. Any such applicant must demonstrate the ability to write effectively at a law school level.

Aboriginal Applicants

The Faculty of Law desires that the number of people of First Nations, Metis and Inuit backgrounds among the ranks of the legal profession increase substantially and, accordingly, encourages inquiries and applications from Aboriginal people.

Applications from Canadian Aboriginal people will be considered on an individual basis, taking into account such factors as academic performance, results of the LSAT, employment history, letters of reference, and past, present and future connection with the Aboriginal community. Applicants with less than three academic years of post-secondary education are rarely offered admission.

If an applicant's academic background makes it appropriate, the Admissions Committee may make an offer of admission conditional upon successful completion of the Program of Legal Studies for Native People, conducted by the Na-

tive Law Centre at the University of Saskatchewan. The faculty fully endorses this program, and considerable weight is placed upon the evaluation submitted by its director. For more complete information concerning the Program of Legal Studies for Native People, please contact:

The Director
Program of Legal Studies for Native People
Native Law Centre
University of Saskatchewan
101 Diefenbaker Place
Saskatoon, Saskatchewan
Canada S7N 5B8
Phone: 306-966-6189
Email: native.law@usask.ca

Applicants must supply satisfactory evidence of their eligibility to apply in the Aboriginal category.

Applicants Whose First Language is Not English

Applicants whose first language is not English and who have not completed a minimum of three full academic years of post-secondary study that was taught and assessed in English, must write the Test of English as a Foreign Language (TOEFL). Applicants who have written the TOEFL iBT need a minimum score of 100, with no less than 25 on each of the individual components, whereas those who wrote the paper and pencil test need a score of 600 out of a possible 677. Applicants who do not meet these TOEFL minimums will not normally be admitted to the Law Faculty. Students applying to the joint Common Law/Civil Law Degree Program are exempt from this requirement.

Part-Time Students

A limited number of positions in the faculty are available for part-time legal studies. Students must demonstrate to the satisfaction of the faculty that they are unable to attend on a full-time basis because of health reasons, physical disability or exceptional family or financial hardship.

Students must ensure that their part-time program conforms to the Law Society requirements in the province in which they wish to practice. Requests for part-time studies should be made in writing and submitted to the Law Admissions Office once an applicant has been admitted to the faculty.

ADMISSION AS AN UPPER-LEVEL STUDENT

Applications are considered from students in other law schools or with foreign law degrees who wish to attend the Faculty of Law as upper-level students. The number of applicants accepted is limited in order to ensure that the size of the class these students will be entering is not significantly altered.

Applications for upper-level positions commencing in September should be submitted by June 30 (date subject to change.) Where appropriate, the faculty may consider applications for entry in January of the Winter Session or May of the Summer Session.

Transfer Student Applications

Applicants who wish to transfer to the Faculty of Law must complete a minimum of two years of legal education in the faculty in order to obtain a Bachelor of Laws (LLB) degree from the Uni-



versity of Victoria. Applications must be accompanied by the following:

1. the applicant's academic record from law school and post-secondary studies; and
2. the applicant's reasons and motivation for seeking to transfer to the Faculty of Law.

Applications will be considered if:

1. the applicant meets all of the eligibility requirements for admission to the first-year program of the Faculty of Law (including the LSAT); and
2. the law courses which have been completed by the applicant are compatible with the curriculum of the Faculty of Law.

Preference is given to students who are academically outstanding and who have the potential to make a unique contribution to the academic program of the Faculty of Law. While consideration is given to an applicant's reasons for wanting to transfer, compassionate grounds for transferring will not compensate for less competitive law school grades. Students who have undertaken their previous legal education at a Canadian law school will be given preference over applicants whose previous legal training was undertaken outside Canada.

Visiting Students

Applications from law students currently attending another university who wish to visit the faculty for one or two terms will be considered. A letter of permission from the student's current law school is required prior to enrolment in UVic's regular fall or spring terms as well as the summer session. If accepted, a visiting student's course program must be approved by the Deans of both law schools or their designates.

Applicants with Canadian Civil Law Degrees

Please see section "LLB for Civil Law Graduates" on page 168.

Applicants with Foreign Law Degrees

The Faculty of Law will consider applicants who have credentials in law from universities outside Canada. Such applicants should arrange to have their academic record evaluated by the National Committee on Accreditation before applying to the faculty. The National Committee is responsible for granting Certificates of Qualification, which are recognized by the various Canadian Law Societies for admission to the Bar. Decisions of the National Committee regarding requirements for the Certificate do not guarantee admission to the Faculty of Law. Admission to the faculty is competitive and subject to the availability of space. Normally the Law Faculty will not accept NCA applicants who are required to take the first year of the LLB program. Information about the Certificate may be obtained by writing to:

National Committee on Accreditation
c/o Federation of Law Societies of Canada
World Exchange Plaza
45 O'Connor, Suite 1810
Ottawa ON, Canada K1P 1A4
Email: nca@flsc.ca
Web: <www.flsc.ca/en/foreignLawyers/foreignLawyers.asp>

Registration Information

COMPLETION OF REGISTRATION

In addition to completing the requirements for admission (see page 164), all students are required to register at the times announced by the Faculty of Law. All new students will be informed of the procedures for registration. Course registration for first year is handled by the faculty administration. First-year students are required to attend the opening assembly in September when they will receive their course schedules and other information.

All Letters of Admission or Authorizations to Reregister that are not used to register in the term or session to which they apply have no further validity.

Registration in any course is not confirmed until:

1. all course prerequisites have been met;
2. the required registration procedures have been completed;
3. all required fees have been paid (see Payment Due Dates, page 41); and
4. classes in the course have begun and the student is in attendance.

The faculty reserves the right to cancel the registration in a course of any student who fails to attend that course within seven calendar days of the commencement of the term, or of any student who is not able to demonstrate that all course prerequisites have been met.

A student who for medical or compassionate reasons is unable to attend a course during the first seven calendar days of the term may apply to the Associate Dean Academic and Student Relations within that time to confirm registration in that course, and the Associate Dean may confirm the registration.

Student Responsibility

Students are responsible for ensuring that:

- their courses have been chosen in conformity with Calendar regulations;
- their registration is complete and accurate;
- there is no discrepancy between the program they are following and the approved program recorded in the Associate Dean's Office of the Faculty of Law; and
- any changes to their mailing address, email address or telephone number are promptly updated on their student record through uSource.

Students may not take courses for which they have not registered. Students may not register in a course for which they have previously received credit without the consent of the Associate Dean Academic and Student Relations.

A letter mailed to a student's address as currently on record in the Associate Dean's Office of the Faculty of Law or on the student's record in uSource will be deemed adequate notification to the student for all matters concerning the University.

Registration For Both Terms in Winter Session

Students planning to undertake studies in both terms of the Winter Session **must** register by September for all courses they intend to take, including single-term courses beginning in January.

Changes in Registration

Courses may not be changed after the designated add/drop period at the start of each term without permission of the Associate Dean Academic and Student Relations. Failure to drop a course which a student does not intend to take will result in a failing grade.

Please refer to the information on fee reductions, page 42, for dropped courses.

Any student who after registration decides to drop all courses is withdrawing from the University and must notify the Associate Dean's Office of the Faculty of Law in writing, which will in turn notify Records Services.

TEMPORARY WITHDRAWAL AND REREGISTRATION

Upon successful completion of first year, a student may, with the permission of the Associate Dean Academic and Student Relations, stop out of the LLB program for a single period not exceeding two academic years, or on more than one occasion not exceeding a cumulative total of two years.

When a student stops out part way through an academic year or session, the regulations that are normally applicable to an academic year, including regulations for achieving standing in a year, will be applied to a program consisting of the term completed prior to stopping out and the next term that the student completed after re-enrolment.

When a student stops out after the completion of an academic year and the student re-enrolls in the second term of Winter Session, regulations that are normally applicable to an academic year, including regulations for achieving standing in a year, will be applied to a program consisting of the next two academic terms completed by the student.

In no case may a student retain partial credit for a full-year course that has not been fully completed.

Faculty Academic Regulations

In addition to the specific regulations stated below, students registered in the Faculty of Law are subject to the general academic regulations of the University.

Notwithstanding anything contained in the following regulations, the faculty shall exercise an equitable discretion in a particular case so as to achieve a fair and reasonable result.

GRADING

Review of an Assigned Grade

Students are referred to the general University regulations (see page 31) and to the regulations adopted by the Faculty of Law. The following specific regulations apply to students in the Faculty of Law:

1. Any request for a review of a final grade must normally reach the office of the Associate Dean Academic and Student Relations within 21 days after the release of grades by the Associate Dean's Office.
2. Where a final grade is based wholly or in part on any written materials other than an



Faculty of Law Grading

Passing Grades	Grade Point Value	Percentage Value	Narrative Description
A+	9	90-100%	Exceptional, outstanding and excellent performance, normally achieved by a minority of students. These grades indicate a student who is self-initiating, exceeds expectation and has an insightful grasp of the subject matter.
A	8	85-89%	
A-	7	80-84%	
B+	6	75-79%	Very good, good and solid performance, normally achieved by the largest number of students. These grades indicate a good grasp of the subject matter or excellent grasp in one area balanced with satisfactory grasp in the other area.
B	5	70-74%	
B-	4	65-69%	
C+	3	60-64%	Satisfactory, or minimally satisfactory performance. These grades indicate a satisfactory performance and knowledge of the subject matter.
C	2	55-59%	
D	1	50-54%	Marginal Performance. A student receiving this grade demonstrates a superficial grasp of the subject matter.
COM	N/A	N/A	Complete (pass). Used only for 0-unit courses and those credit courses designated by the Senate. Such courses are identified in the course listings.
Failing Grades	Grade Point Value	Percentage Value	Narrative Description
F	0	49% or below	Unsatisfactory performance.
N	0	N/A	Did not write examination or complete course requirements by the end of term or session; no supplemental exam. In exceptional circumstances, the Faculty may authorize the removal of an N grade and the replacement of it by another grade. In accordance with Senate Regulations, an instructor shall advise students at the beginning of term of the circumstances under which they would be assigned a final grade of N.
N/X	Excluded Grade	N/A	Did not complete course requirements by the end of the term; no supplemental. Used only for co-op work terms and for courses designated by Senate. Such courses are identified in the course listings. The grade is EXCLUDED from the calculation of all grade point averages.
F/X	Excluded Grade	N/A	Unsatisfactory performance. Completed course requirements; no supplemental. Used only for co-op work terms and for courses designated by Senate. Such courses are identified in the course listings. The grade is EXCLUDED from the calculation of all grade point averages.
Temporary Grades	Grade Point Value		Narrative Description
DEF	N/A		Deferred examination granted. Used only for courses in which a deferral of course work has been granted because of illness, or other circumstances.

examination paper, such materials will, for the purpose of these procedures, be treated as if they are examination papers.

GRADUATION REQUIREMENTS FOR THE LLB

To be awarded an LLB, students must successfully complete the 15.0 units in the compulsory first year curriculum and a minimum of 29.0 upper year units. They must achieve standing in each of the three years of the law program, and must achieve standing in the program.

To be granted standing in first, second or third year, a student must:

1. Pass all of the courses in the student's approved program for the year without any N, F, or DEF grades in any course; and
2. Obtain a GPA of at least 3.00 in the courses not graded on a pass/fail basis.

Standing in the program will be granted when a student:

1. Achieves standing in each of the first, second and third years; and
2. Completes a research paper of not less than 7,500 words (exclusive of footnotes, endnotes,

bibliography and appendices) on an approved subject with a grade of C+ or better during the second or third year. The requirement may be satisfied within an existing course or through directed research, upon approval of the supervising faculty member.

3. Successfully completes the compulsory upper-level courses: LAW 307 Civil Procedure, and LAW 309 The Law of Evidence.

The graduating GPA for law students will be calculated on all courses taken in the LLB degree, including non-law electives and supplementals, regardless of course level.

Part-time Students

In addition to satisfying the above requirements, part-time students in second year or third year must satisfy the following requirements at the end of each academic session. In order to proceed to the next academic session, a part-time student must pass all of the courses in the student's approved program for the academic session and attain a grade point average of at least 3.0 in the courses for the academic session.

SUPPLEMENTAL EXAMINATIONS

- a) A full-time student who does not achieve standing as specified above, but attains a GPA of at least 2.0 will be permitted to write supplemental examinations in not more than two courses.
- b) For the purpose of determining a student's eligibility to write supplemental examinations, a grade of COM in Law 350A: Clinical Law Term, or in any approved exchange term graded on a COM/F basis will be deemed to have a grade point value of 3.0.
- c) Where a student enrolled in a clinical program or other course exclusively for a term (15 weeks) fails to meet the grade required to be granted standing, the matter will be referred to the faculty or a committee thereof. The faculty, after considering the recommendation of any committee to which the matter has been referred may confirm the failing grade or may permit the student to undertake any one or more of the following:
 - supplemental examinations;
 - the completion of such assignments, papers or tests as may be appropriate; and
 - remedial work designated by the faculty.

Where, in the opinion of the faculty, the student's conduct or lack of competence in the clinical program or course may adversely affect members of the public or personnel including students associated with the program or course, the faculty may prohibit the student from re-enrolling in the program or courses, or the faculty may require the student to withdraw from the faculty.

- d) Supplemental examinations may not be written in courses in which a student has attained a grade of C+ or better.
- e) Supplemental examinations for the year are normally written in July.
- f) The grade point value for supplemental examinations will be determined in accordance with the faculty grading scale (see table). The original sessional grade point average, original letter grade and a revised sessional grade point average, taking into account the supplemental examination results, will be recorded on a student's transcript.

SPECIAL EXAMINATIONS

- a) Subject to subsections (b) and (c), the faculty may authorize a student to write Special Examinations in order to achieve standing, where the faculty determines that a student's ability to write or to complete an examination or other academic requirement has been affected by illness, family affliction or other special circumstances.
- b) A request for a Special Examination under subsection (a) must be made in writing to the Associate Dean Academic and Student Relations within five days after the date on which the original examination was written or was to be written, or within five days after the date on which the other academic requirement was due, and the student must provide a physician's report or other substantiating documentation as soon as possible.
- c) For the purposes of providing evidence to the faculty as to the nature of the illness and the effect of that illness upon the student's ability to complete an examination or other academic requirement, the physician's medical report should be made on the form approved by the Faculty of Law for that purpose wherever possible. Where the form provided by the Faculty of Law is not used, the medical report should contain the kinds of information sought on that form.
- d) Where a student has written an examination, a request for a Special Examination under (b) shall be confirmed or withdrawn by the student within 10 days after grades have been released by the Associate Dean's Office. Where the request is not confirmed within that 10-day period, it will be deemed to have been withdrawn.
- e) Special Examinations for the year are normally written in July.
- f) Students will be advised in writing with respect to procedures to be followed in such cases.
- g) The mark obtained on a Special Examination or other academic requirement written pursuant to this regulation will replace only the mark the student had or would have had on that component of the course.

CREDIT FOR COURSES OUTSIDE THE FACULTY

Students may, in their second and third years, take courses in other departments and schools in the University of Victoria for credit in the Faculty of Law. Students may not take Summer Session courses for credit unless they are enrolled full-time in the Law Faculty academic summer term, in which case faculty regulations respecting approval and unit limit for those courses will apply as if the course were taken in a fall or winter term of the LLB Program.

Students may take up to 3 units of such courses over the two academic years.

Students must obtain the approval of the Associate Dean Academic and Student Relations and the outside instructor in advance of registration for any such course. The approval of the Associate Dean is based upon criteria set out in faculty regulations.

Students enrolled in the concurrent LLB/MPA program may take an additional 3 units of MPA 598 in lieu of 3 units of LAW 399. Please refer to "Concurrent LLB/MPA Degree Program", page 168, for more information.

Students enrolled in the concurrent LLB/MBA program may take an additional 3 units of MBA 598 in lieu of 3 units of LAW 399, or an additional 3 units of MBA 596 in lieu of 3 units of LAW 391. Please refer to "Concurrent LLB/MBA Degree Program", page 168, for more information.

REPETITION OF A YEAR

A student who fails to achieve standing in any year may apply to the faculty, through the Associate Dean Academic and Student Relations, for permission to repeat the year.

PART-TIME STUDENTS

A student who is admitted as a part-time student may not become a full-time student until the student has achieved standing in first year.

In order to continue as a part-time student after achieving standing in first year, a student must demonstrate to the faculty at the beginning of each academic session that he or she continues to be unable to attend on a full-time basis because of health reasons or physical disability, or exceptional family or financial hardship.

A student who achieved standing in first year as a full-time student may apply to continue his or her studies as a part-time student. The faculty may allow a limited number of these students to enrol as part-time students upon being satisfied that a student is unable to continue as a full-time student because of health reasons, physical disability, family or financial hardship.

REGULATIONS CONCERNING STUDENT CONDUCT AND COMPETENCE IN CLINICAL PROGRAMS

For the purposes of these regulations, clinical programs include:

- LAW 349 Business Law Clinic;
- LAW 350A Law Centre Clinical Program; and
- LAW 353 (353A) Environmental Law Centre Clinic.

Where, during the course of a term, there are reasonable grounds to believe that the conduct

or lack of competence of a student enrolled in a clinical program has adversely affected or may adversely affect:

- clients of the program;
- personnel, including students, associated with the program; or
- the program's relationship with the judiciary, members of the bar or other persons involved with or affected by the activities of the program;

the Director of that program may restrict the activities of the student as he or she deems advisable, and the Dean, upon the request of the Director, may require the student to withdraw temporarily from the program pending the receipt of a report on the conduct or lack of competence of the student.

After giving the student an opportunity to be heard, the faculty may re-instate a student who has been obliged to withdraw temporarily from a program or require the student to withdraw permanently from the program if the faculty is satisfied that the student's conduct or lack of competence may affect members of any of the groups identified in the preceding paragraph.

Where the faculty requires a student to withdraw from a clinical program, a grade of N will be entered on the student's academic record and transcript.

Law Program Requirements

FIRST YEAR PROGRAM

All courses in the first-year program are compulsory. Full-time students must enrol in all courses in the first-year program.

In the first academic year of attendance, part-time students must enrol in courses amounting to not fewer than 7 units of courses including:

- | | |
|---------------|---------------------------------|
| LAW 104 (1.5) | The Law, Legislation and Policy |
| LAW 106 (1.0) | Legal Process |
| LAW 110 (1.5) | Legal Research and Writing |

Part-time students must complete the remainder of the compulsory first-year program in the second academic year of attendance.

SECOND- AND THIRD-YEAR PROGRAMS

The Faculty of Law may designate courses as compulsory, prerequisite or recommended courses.

In each of the second and third years of the program, a student will enrol in a course program which has been approved by the Dean or the Dean's nominee.

- An approved program for a full-time student is one in which a student is enrolled in courses totalling not fewer than 14.5 units and not more than 16.5 units over the academic session (that is, during the 30-week period).
- An approved program for a part-time student is one in which a student is enrolled in courses totalling not fewer than 7 units and not more than 14.5 units, over the academic session (that is, during the 30-week period).

Without the permission of the Dean or the Dean's nominee, a full-time student may not carry fewer than 7 units or more than 8.5 units in one term per session (that is, during the 15-week period). Without the permission of the Dean or the Dean's nominee, a part-time student

may not carry fewer than 3 units or more than 7 units in one term per session (that is, during the 15-week period).

In order to complete the program requirements, a student must enrol in approved programs for the second and third years which amount to a total of not fewer than 29 units.

CONCURRENT LLB/MBA DEGREE PROGRAM

A limited number of students who apply and are accepted into both the Law Faculty LLB and Business Faculty MBA programs may earn both degrees concurrently with modified requirements for each. The two degrees normally require five years of study, whereas concurrent degrees may be completed in four years. For information on the MBA program requirements, please see the *UVic Graduate Calendar*.

To complete the LLB portion of the program, a student must complete the entire first-year law curriculum. After that, the LLB portion of the program requires a student to complete 29 units of law courses, or law-approved courses, including the following:

- 3 units of MBA courses in lieu of the Law Faculty's 3-unit, non-law course option in other faculties;
- MBA 598 Research Report (3.0) in lieu of LAW 399 Supervised Research and Writing (3.0);
- all compulsory LLB courses, including the major paper requirement; and
- the following courses*:
 - LAW 314 Commercial and Consumer Law
 - LAW 315 Business Associations
 - LAW 316 Secured Transactions
 - LAW 317 Real Property Transactions
 - LAW 345 Taxation

* Or with the approval of the Associate Dean Academic and Student Relations, alternative courses where a required course is not reasonably available to the student.

Students intending to enrol in the concurrent degree program should be aware that scheduling of the program will ordinarily preclude the student's participation in Law Co-op.

Students enrolled in the concurrent LLB/MBA program are subject to the Law Faculty regulations (modified where necessary) in regard to their LLB course requirements. Grade point averages for the purposes of awarding Law Faculty prizes and scholarships will be calculated only on Faculty of Law courses.

CONCURRENT LLB/MPA DEGREE PROGRAM

Students who apply and are accepted into both the Law Faculty LLB and School of Public Administration MPA programs may earn both degrees concurrently with modified requirements for each. For information on the MPA requirements, please see the *UVic Graduate Calendar*.

The two degrees normally require five years of study, whereas the concurrent degrees may be completed in four years.

- The first year of the program will be devoted entirely to the first-year Law curriculum.
- The second year of the program will be devoted to completion of Term 1 of the MPA program and subsequently a combination of Law and

Public Administration courses (normally for a total of 7.5 to 8.5 units of courses per term).

- The remainder of the program will be devoted to the completion of all other Law and Public Administration course requirements.

Students in the program must complete, after first-year Law, 29 units of Law or Law-approved courses, including the following:

- 3 units of Public Administration courses in lieu of the Law Faculty's 3-unit non-Law course option in other faculties; and
- ADMN 598 (3.0) in lieu of 3 units of LAW 399 Supervised Research and Writing.

Students enrolled in the concurrent LLB/MPA program are subject to the Law Faculty regulations (modified where necessary) in regard to their LLB course requirements. Grade point averages for the purposes of awarding Law Faculty prizes and scholarships will be calculated only on Faculty of Law courses.

LLB FOR CIVIL LAW GRADUATES

The Faculty of Law at the University of Victoria offers a program under which a limited number of Civil Law graduates from Quebec may, through subsequent studies, be awarded the LLB degree.

Applicants for this program must commence their studies at the University of Victoria within two years of completing their Civil Law degree. Students will be admitted at the discretion of the Admissions Committee. The following are the academic requirements:

- A student who has completed the requirements of a Civil Law degree at a Canadian law school may obtain an LLB from the University of Victoria by successfully completing an aggregate total of 22.5 units of courses at the University of Victoria Faculty of Law.
- Courses previously taken by the student at the University of Victoria as part of an Exchange Term Program may be included in this total.
- Students in the program must complete, or establish that they have taken the equivalent as part of their Civil Law degree, the following courses:
 - Contracts;
 - Property;
 - Torts;
 - Criminal Law;
 - Constitutional Law; and
 - Law Legislation and Policy.

- Students in the program must also complete, or establish that they have taken the equivalent as part of their Civil Law degree, any upper-year courses that are designated as compulsory.

- Students in the program must complete the faculty's major research paper requirement.
- Students in the program must not take courses towards their LLB that substantially duplicate courses that they have taken towards their Civil Law degree.

- Students in the program may not (as part of their program) take courses at the University of Victoria outside the Faculty of Law and are not eligible for exchange terms outside the faculty.

- Students in the program must otherwise comply with all of the University of Victoria academic regulations and requirements (*mutatis mutandis*).

CO-OPERATIVE EDUCATION PROGRAM

The University regulations with respect to Co-operative Education Programs (see page 46) are applicable to the Faculty of Law Co-op Program except to the extent that they are modified by regulations adopted by the Faculty of Law and approved by the Senate.

Admission to the Law Co-op Program

Students who are currently registered in first-year Law at the University of Victoria can apply to the Law Co-op Program. Admission to the faculty does not guarantee admission to the Law Co-op Program. Demand for Co-op consistently exceeds the number of available spaces. As a result, students who apply for admission to the program are selected through a lottery.

Program Requirements

A student who enrolls in the Law Co-op Program must satisfactorily complete a minimum of three Co-op work terms in order to receive a "Co-op" designation on their transcript.

Co-op work terms will normally alternate with academic terms. With the permission of the Associate Dean Academic and Student Relations, a student may be permitted to enrol in a maximum of two consecutive Co-op work terms or two consecutive academic terms.

With the permission of the Associate Dean, a student who has completed all degree requirements but who has not yet convoked may be permitted to enrol in a Law Co-op work term. A student who engages in such a work term is not eligible to convocate until after the work term has been completed.

Students may not obtain credit for any of their Co-op work terms on the basis of work experience obtained prior to their enrolment in the Law Faculty.

The performance of students registered in a Law Co-op work term will be graded as COM, N/X, or F/X.

The requirements for a pass grade in a Co-op work term include:

1. completion of at least 12 weeks of employment. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35;
2. a satisfactory evaluation of the student's performance in the Co-op work term by the Law Co-op Coordinator; and
3. submission by the student of a satisfactory Co-op work term report.

A student who does not fulfill these requirements will be given an F/X or N/X grade.

Students who fail a work term will normally be required to withdraw from the Co-op Program.

Regulations Concerning Student Conduct and Competence on Co-op Work Terms

Where there are reasonable grounds to believe that the conduct or lack of competence of a law student enrolled in the Law Co-op Program has adversely affected, or may adversely affect, the interests of an employer or the Law Co-op Program, the Dean or Coordinator may require a student to withdraw temporarily from a work term, or from the Law Co-op Program, pending

the receipt of a report on the conduct or lack of competence of the student.

Where the Dean or the Coordinator has required a student to temporarily withdraw and has not reinstated the student within a reasonable period of time, the faculty members of the Co-op Committee, after giving the student an opportunity to be heard, shall consider whether the temporary withdrawal should be lifted or made permanent.

The faculty members of the Co-op Committee may reinstate the student or, if they are satisfied that the student's conduct or lack of competence has adversely affected or may adversely affect the interests of an employer or the Law Co-op Program, they may require the student to withdraw permanently from a work term or from Law Co-op.

Where a student is required to permanently withdraw from the Law Co-op work term, a grade of N/X will be entered on the student's academic record and transcript.

Voluntary Withdrawals from Law Co-op

A student may withdraw from Law Co-op before the first work term registration without a withdrawal appearing on the student's transcript. If a student withdraws from Law Co-op at any other time after registration in the first work term, a withdrawal will be entered on the student's transcript.

Where a student is registered in a Law Co-op work term and the student has commenced employment with an employer, the student will only be permitted to withdraw from the work term with the consent of the Coordinator. Withdrawal from such a work term without the Coordinator's consent, may result in the student being required to permanently withdraw from the Law Co-op Program. If the Coordinator consents to the withdrawal, the registration in that work

term shall appear as a Withdraw No Fault (WNF) on the transcript. If the cause of the withdrawal is not attributable to the student, the Coordinator may recommend a refund to the student of the fee for that Co-op work term.

Appeals

Students with concerns related to the Law Co-op Program or requests for authorization to change their program must first consult with the Coordinator.

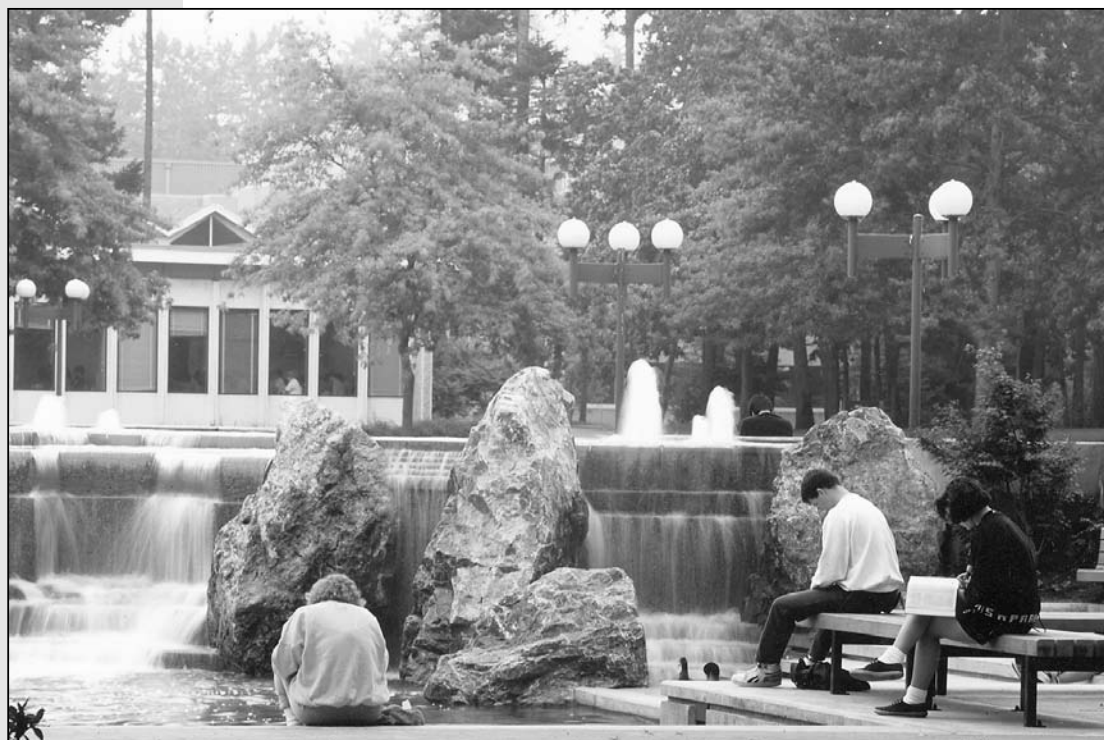
If a student is not satisfied with a decision of the Coordinator, the student may appeal the decision in writing to the faculty members of the Co-op Committee. The faculty members of the Co-op Committee shall consider appeals from students. The faculty members shall request written submissions from the student and the Coordinator and may invite the student and the Coordinator to make oral submissions to the Committee. The Committee will communicate their decision in writing to the student and the Coordinator in a timely fashion.

If a student or the Coordinator is not satisfied with the decision of the Co-op Committee, the student or the Coordinator may appeal the decision of the Committee to the Executive Director, Co-operative Education Program.

If the student is not satisfied with the decision of the Executive Director, Co-operative Education Program, the student may appeal to the Senate Standing Committee on Appeals, where the matter under appeal falls within that Committee's jurisdiction. This appeal process is governed by the Regulations on Appeals, page 40. Decisions of the Senate Committee on Appeals are final and may not be appealed to the Senate.

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Faculty of Science



Claire G. Cupples, BSc (UVic), MSc (Calgary),
PhD (York), Acting Dean of Science

Ian Blazey, BSc (R'dg), Administrative Officer

Timothy S. Haskett, BA, MA, PhD (Tor),
Director of Academic Advising

Sabrina Jackson, BA (Hons), MA (UVic),
Administrative Officer

The Sciences encompass the various disciplines concerned with the study of the terrestrial and cosmic worlds and their phenomena. The study of science introduces students to methods of enquiry and approaches to learning that emphasize systematic observation, experimentation and critical thinking. Through the disciplines of Astronomy, Biochemistry, Biology, Chemistry, Earth and Ocean Sciences, Mathematics, Microbiology, Physics and Statistics, students have opportunities to engage in scientific discovery, to enhance their knowledge and comprehension of the universe, and to prepare themselves for a diverse range of stimulating careers.

General Information

DEGREES AND PROGRAMS OFFERED

The Faculty of Science comprises the Departments of Biochemistry and Microbiology, Biology, Chemistry, Mathematics and Statistics, and Physics and Astronomy, and the School of Earth and Ocean Sciences.

Each department in the faculty offers programs of varying levels of specialization in one or more disciplines leading to the degree of Bachelor of Science (BSc):

- an Honours Program which involves a high level of specialization in a discipline and requires 18 to 36 units in that discipline at the 300 or 400 level
- a Major Program which requires less specialization, usually 15 units in a discipline at the 300 or 400 level
- a General Program which requires 9 units at the 300 or 400 level in each of two disciplines

The disciplines in the faculty and the programs leading to the BSc are shown in the table below. Several of the disciplines may be taken in combination with each other. Details of the combinations offered are presented under the entries for the individual departments.

Students can also combine a program in the Faculty of Science with a program offered in another faculty (see Interfaculty Program, page 174).

The Faculty of Science does not offer a Bachelor of Arts degree. However, students may combine a Science program with a non-Science program in an Interfaculty BA. This interfaculty BA degree is awarded by the non-Science faculty.

In most cases, it is possible for students to choose their courses for the first two years so that they can postpone to the end of second year their choice of the program they wish to follow.

ACADEMIC ADVICE AND PROGRAM PLANNING

Advising Officers

Gillian M. Chamberlin, BA (UVic)

Denise J. Chan

Beth Christopher

Kelly Colby, BA (Whitman), MA (Ithaca)

Joyce Gutensohn, BA (Hons), MA (UVic)

Lori S. Olson, BSc, MPA (UVic)

Patricia Perkins, BSc (UVic)

Advising Assistants

Lara Hannaford

Eleanor Lagrosa

Judy Macquarrie

Academic Advising Centre

Students who have been admitted to or plan to enter the Faculty of Science can seek academic advice or information about the programs in the faculty from the Academic Advising Centre, A205, University Centre.

Departmental Advising

Each academic department has advisers generally available throughout the year who can give

advice about the courses and programs offered by their department.

Students who are not in attendance at the University when they want advice from a department should contact the Chair of the department for an appointment before coming to the campus.

Transfer Advising

Students planning to transfer to another faculty or university from the UVic Faculty of Science should consult with advisers in the other faculty or university before they make their choice of courses in the Faculty of Science.

Students planning to enter the Faculty of Education from the Faculty of Science should seek advice from the Education Advising Centre.

Students planning to transfer to the Faculty of Engineering to complete a degree in Computer Science should seek advice from the Department of Computer Science.

Record of Degree Program

All students continuing in the Faculty of Science must file a Record of Degree Program with the Academic Advising Centre. Please see Declaring a Program, page 172 for details.

AVAILABILITY OF COURSES TO STUDENTS IN OTHER FACULTIES

Generally, courses offered in the Faculty of Science are open to students in other faculties who have satisfied any prerequisite courses. However, some courses or sections are open only to students in the Faculty of Science or to students in specific programs. Restrictions on enrolment are included under individual course descriptions.

Students in other faculties who propose to take courses offered in the Faculty of Science are responsible for determining if the courses can be used for credit in their degree program.

DEFINITION OF A SCIENCE COURSE

A science course is any one of the following:

- a course offered in the Faculty of Science, except:
 - a course designated as not being for credit in the Faculty of Science
 - a course designated as being for credit only in a non-science program
- any course offered by the Department of Computer Science and all Software Engineering courses (SENG)

- a course that a student has taken at another institution for which the student has received transfer credit applicable to the categories defined above or for which the student has received transfer credit for a specified number of science units that are not equated to specific science courses

LIMITATION ON ENROLMENT

Admission to UVic and the Faculty of Science is not a guarantee of placement in particular programs or courses. Departments may limit enrolment for a variety of reasons, and admission requirements may be raised.

STUDENT RESPONSIBILITY

Students are referred to the section Course Selection Responsibility, page 29.

Faculty Admissions

The requirements for admission to the Faculty of Science are presented on page 24. Applicants should note the following recommended courses for entry to faculty programs:

- Secondary school students who wish to study Biochemistry, Biology or Microbiology are strongly advised to include Biology 12 in their secondary school programs.
- All secondary school students planning to enter the Faculty of Science are advised to include Chemistry 12 in their secondary school programs and to achieve a score of at least 73% in Mathematics 12.
- Secondary school students who wish to study Astronomy, Chemistry, Earth and Ocean Sciences, or Physics are strongly advised to include Physics 12 in their secondary school programs.
- An approved Language 11 course (see page 24) is strongly recommended.
- Other prerequisites may be required for entry into courses and programs in particular disciplines. Students should take note of individual program requirements listed under each departmental entry as well as course prerequisites, listed at the end of individual course descriptions. Some Science departments offer courses to help students meet requirements they may not have fulfilled prior to application to the Faculty of Science.

Faculty of Science Programs

	Honours Program	Major Program	General Program
Astronomy	•	•	
Biochemistry	•	•	•
Biology	•	•	•
Chemistry	•	•	•
Earth and Ocean Sciences	•	•	•
Mathematics	•	•	•
Microbiology	•	•	•
Physics	•	•	•
Statistics	•	•	•

Note: All Honours and Major programs may be taken with a Co-operative Education Option.

TRANSFERS FROM OTHER FACULTIES

- Students in other faculties who wish to transfer into the Faculty of Science during their first session at UVic must have been eligible for admission to the Faculty of Science when they applied for admission to UVic.
- A student who wishes to transfer into the Faculty of Science after completing one or more sessions at UVic should have satisfactory standing as defined in the University regulations (see Standing, page 38), and must either:
 - have been eligible for admission to the Faculty of Science from secondary school; or
 - have credit for at least 9 units of Science courses including credit for at least 3 units of Mathematics selected from MATH 100, 101, 102, 151.

TRANSFERS FROM COLLEGES AND UNIVERSITIES

To be eligible for admission to the Faculty of Science from a college or another university, a student must have transfer credit for at least 12 units of courses with an average, as determined by UVic, of at least 60% calculated on courses taken most recently (to a maximum of 15 units). This requirement includes repeated and failed courses.

The student should also:

- have been eligible for admission to the Faculty of Science from secondary school; or
- be eligible for transfer credit for at least 9 units of Science courses including credit for at least 3 units of Mathematics selected from MATH 100, 101, 102, 151.

OTHER APPLICANTS

Applicants from institutions other than colleges and universities must satisfy the faculty admission requirements on page 24 and present work they have completed that is equivalent to that specified for transfers from other faculties, colleges and universities, above.

Faculty Academic Regulations

COURSE CREDIT

Credit for Courses at Other Institutions

Normally, to be recommended for a degree by the faculty, a student must complete a minimum of 30 units of courses at UVic, including at least 18 of the minimum 21 units at the 300 or 400 level required for all degree programs and including:

- at least 12 of the 15 units at the 300 or 400 level required for the Major Program; or
- at least 6 of the 9 units at the 300 or 400 level required in each discipline of the General program; or
- if the student is in an Honours Program, not more than 6 units at the 300 or 400 level in the discipline of the Honours Program taken at another institution with the prior approval of the Chair of the relevant department.

Except as permitted by the regulations above, a student who has been admitted to the faculty may not take courses at another institution for credit towards a degree program offered in the faculty without the prior written approval, in the form of a Letter of Permission, of the Director of Academic Advising. To be eligible for a Letter of Permission, a student must have completed or be registered in no fewer than 6.0 units at the University of Victoria.

Students are solely responsible for checking the University of Victoria credit for courses to be taken elsewhere, prior to registration, to make sure that there will be no duplication of course credit already received (see also Duplicate and Mutually Exclusive Courses, page 32.)

Upon successful completion of such work, the student must request the other institution to send an official transcript to Undergraduate Records at UVic.

Students who are considering completing their degree requirements at another institution should note that generally other institutions cannot send transcripts of their academic records to Records Services at UVic in time for Records Services to be able to determine a student's eligibility to graduate at the earliest convocation. Such students who complete their degree requirements in the Spring will generally graduate in the Fall and those who complete their degree requirements in the Fall will generally graduate in the Spring.

Students authorized to attend another institution who accept a degree from that institution surrender the right to a UVic degree until they have satisfied UVic's requirements for a second bachelor's degree, page 40.

Credit for Courses in Other Faculties

All courses in other faculties are acceptable for use as elective credit in the Faculty of Science, if the regulations of the department offering the courses permit and prerequisites are met.

Substitution of Elective Credit for Required Courses:

With the consent of the department offering the student's degree, and with the permission of the Director of Academic Advising, a student may substitute up to 3 units of 300 or 400 level credit for required courses at the 300 and 400 level in a Faculty of Science degree program; such permission is invalidated if a student withdraws from the degree program of the department that provided the consent.

Students should review individual department entries for information on the use or substitution of elective credit.

GRADUATION STANDING

The graduation standing of a student in the Faculty of Science is determined in accordance with the University regulations on page 38 and, for a student enrolled in an Honours Program, in conjunction with any Honours requirements specified by the departments concerned.

In cases of plagiarism and cheating, the Faculty of Science reserves the right to recommend to Senate the withdrawal of the "With Distinction" (see page 40) designation in addition to the

penalties outlined in the University Policy on Academic Integrity, page 33.

Once a degree, diploma or certificate has been awarded by the University Senate, no change can be made to the programs that constitute that credential (see "Application for Graduation", page 39).

DECLARING A PROGRAM

All students continuing in the faculty must declare a program by filing a Record of Degree Program (RDP) with the Academic Advising Centre prior to graduation. If a degree program has been chosen and program entry requirements satisfied, students may file an RDP once they have attained second-year standing (credit for at least 12 units of course work) and should do so once they have attained third-year standing (credit for at least 27 units of course work). The purpose of this RDP is to ensure that proposed courses will meet the requirements of the selected program. Any subsequent change to a declared program also must be filed with the Academic Advising Centre.

Students who have not satisfied the University English Requirement must do so before they declare their program.

The RDP is approved in writing by the Academic Advising Centre and, in the case of students who wish to pursue an Honours Program, by the department(s) concerned. Students who satisfactorily complete the program of courses set out in the RDP with the required grades are normally recommended for the degree.

Students who do not have an RDP approved, or who follow a program different from that set out in the approved RDP, may not be eligible to graduate.

Note: Students should be aware that limitations may apply to proposed combinations of the following: concurrent degree programs, degree/diploma combinations and degree/minor options.

TIME LIMIT FOR DEGREE COMPLETION

Although the Faculty of Science imposes no time limit for the completion of a General or Major program, a department in the faculty may, with the approval of the faculty, impose stated time limits for a General or Major program that it offers. Normally, students who have not completed their degree programs within five calendar years of first registration will be required to satisfy any revisions that may have been made to the program requirements since they first registered.

A student in an Honours Program is expected to complete the program in four years or, for a student in the Co-operative Education Program, in five years. A student who wishes to take longer to complete an Honours Program should seek prior approval from the Director of Academic Advising through the Chair of the department concerned. Approval is not automatic.

Faculty Program Requirements

REQUIREMENTS COMMON TO ALL BACHELOR'S DEGREES

A student may proceed to a BSc degree, normally in one of three programs: Honours, Major or General. Combined Honours and Major programs are also offered (see below).

Each candidate for a Bachelor's degree must:

1. include in the first 15 units presented for the degree not more than 9 units from any single department, and at least 3 units from each of two other departments.
2. include in the next 15 units presented for the degree not more than 12 units from any single department, and at least 3 units from one other department.
3. have satisfied the Undergraduate English Requirement, page 29.
4. have received credit for at least 21 units of courses at the 300 or 400 level, of which at least 18 units must have been taken at UVic.
5. have received credit for at least 60 units of university-level courses numbered 100 and above, of which normally at least 30 units have been taken at UVic.
6. have received credit for at least 33 units of science courses (see Definition of a Science Course, page 171) except in the combined program in Financial Mathematics and Economics.
7. have satisfied the requirements specified in this Calendar by the department whose program the student has taken.

HONOURS PROGRAM

The Honours Program requires specialization in one or more disciplines in the last two or three years of a degree program and is intended for students of higher academic achievement. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

Admission to an Honours Program

Admission to an Honours Program is restricted to students who have satisfied the prerequisites and met the minimum GPA specified by the department(s) concerned, and who are judged by the department(s) to have the ability to complete the Honours Program. A student who wishes to be considered for admission to an Honours Program should apply to the Chair or Honours Adviser of the department (approval from both departments is required for admission to Combined Honours programs).

Requirements of the Honours Program

A student in an Honours Program must satisfy the requirements common to all bachelor's degrees in the Faculty of Science, listed above.

Each department has its own requirements for its Honours Programs, which are specified in individual department entries elsewhere in the Calendar. Of the 300- and 400-level course units specified by the department concerned, not more than 6 may be taken at another acceptable post-secondary institution, and then only with

the prior approval of the department's Honours Adviser.

Continuation in an Honours Program requires satisfactory performance as dictated by the department. If, in the opinion of the department, a student's work at any time is not of Honours standard, the student may be required to transfer to a Major or General program.

Normally, a student should complete the requirements for an Honours Program in four academic years (five years for those students enrolled in the Co-operative Education Program). Students who are undertaking a degree on a part-time basis, and who wish to be considered as candidates for Honours, should discuss the options with the department(s) concerned.

Honours Programs

Astronomy
Biochemistry
Biology
Chemistry
Earth Sciences
Mathematics
Microbiology
Physics
Statistics

Combined Honours Programs

Biology and Earth and Ocean Sciences
Biology and Psychology
Chemistry and Earth and Ocean Sciences
Chemistry and Mathematics
Computer Science and Mathematics
Computer Science and Statistics
Mathematics and Statistics
Physical Geography and Earth and Ocean Sciences
Physics and Astronomy
Physics and Biochemistry
Physics and Computer Science
Physics and Earth Sciences (Geophysics)
Physics and Mathematics
Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)

Double Honours Program

With the joint approval of the departments concerned, a student may be permitted to meet the requirements for an Honours Program in each of two departments in the Faculty of Science, both leading to the BSc degree.

Interfaculty Double Honours Program

If a student elects to complete an Honours Program in the Faculty of Science and a second Honours Program in another faculty, with one program leading to a BA and the other leading to a BSc, the program leading to the degree selected (BA or BSc) must be listed first on the student's Record of Degree form. If the second department listed offers both a BA Honours Program and a BSc Honours Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Students completing an Interfaculty program will be subject to the regulations of the faculty in which they are registered.

Joint Honours and Major Program

A student may elect to complete an Honours Program in one area of study together with a Major Program in another area of study, both within the Faculty of Science and both leading to the BSc degree. The Honours Program will be listed first on the student's Curriculum Advising and Program Planning (CAPP) form.

Interfaculty Joint Honours and Major Program

A student may elect to complete an Honours Program in one faculty together with a Major Program in another faculty. The Honours Program will be listed first on the student's Curriculum Advising and Program Planning (CAPP) form, and students will be subject to the regulations of the faculty in which they are registered.

If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc, depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

MAJOR PROGRAM

The Major Program requires specialization in one discipline in the last two years of a degree program and may permit a student to proceed to graduate study if sufficiently high standing is obtained. The Major Program is also a good preparation for a professional or business career.

Requirements of the Major Program

A student in a Major Program must satisfy the requirements common to all bachelor's degrees in the Faculty of Science, listed above.

Each department has its own requirements for its Major Programs, which usually include the specification of 15 units, and not more than 15 units, of 300- and 400-level course work. At least 12 of these 15 units must be completed at UVic. A department may also specify and require up to 9 units of courses offered by other departments at the 300 or 400 level.

Major Programs

Astronomy
Biochemistry
Biology
Chemistry
Earth Sciences
Mathematics
Microbiology
Physics
Statistics

Combined Major Programs

Biochemistry and Chemistry
Biology and Earth and Ocean Sciences
Biology and Psychology
Chemistry and Earth and Ocean Sciences
Chemistry and Mathematics
Chemistry and Microbiology
Computer Science and Mathematics
Computer Science and Statistics
Financial Mathematics and Economics

Mathematics and Statistics
Physical Geography and Earth and Ocean Sciences
Physics and Astronomy
Physics and Biochemistry
Physics and Computer Science
Physics and Earth Sciences (Geophysics)
Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)

Double Major Program

A student may complete the requirements for a Major Program in each of two disciplines in the Faculty of Science, both leading to the BSc degree, except for the following combinations: Biochemistry with Microbiology; Astronomy with Physics; and Mathematics with Statistics.

Combined Major with a Major Program

A student can complete one of the Combined Major Programs listed above with another Major Program (in this faculty or in another faculty), but the discipline of the Major Program must not be either of the disciplines of the Combined Major Program.

Interfaculty Program

A student may elect to complete an Interfaculty Double Major or a Joint Honours and Major Program. In a Double Major Program, if one of the two departments concerned offers both a BA Major Program and a BSc Major Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

In a Joint Honours and Major Program, the Honours Program is listed first on the student's Curriculum Advising and Program Planning (CAPP) form, and students will be subject to the regulations of the faculty they are registered in. If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

BA or BSc Major in Environmental Studies

A Major Program in Environmental Studies can only be taken as the second component of a Double Major or Joint Honours and Major Program.

BA in Mathematics or Statistics

Students who wish to obtain a BA in Mathematics or Statistics should register in either the Faculty of Humanities or the Faculty of Social Sciences, and complete the requirements common to all bachelor's degrees in that faculty.

GENERAL PROGRAM

The General Program provides students with the opportunity to study broadly in two disciplines in the last two years of a degree program. It is not intended to prepare students for graduate study, although some graduate schools may accept graduates of a General Program if they have achieved sufficiently high standing.

Requirements of the General Program

A student in a General Program must satisfy the requirements common to all bachelor's degrees in the designated faculty determined by the first subject area listed on the Curriculum Advising and Program Planning (CAPP) form.

The General Program requires:

- Completion of 9 units of course work at the 300 and 400 level in each of the two disciplines, as specified in the General Program requirements of the departments concerned
- At least 6 of the 9 units in each discipline must be completed at UVic

A student may complete a General Program in any two of the following or by completing one of the following and one of the Generals offered in another faculty. The degree awarded will be a BA unless two Generals in the Faculty of Science are chosen, or one of the BSc Generals in Computer Science, Geography or Psychology is combined with a second BSc General in the Faculty of Science.

Biochemistry or Microbiology
Biology
Chemistry
Earth Sciences
Mathematics or Statistics
Physics

A student may also complete a General Program that combines one of the above disciplines/areas of study with one of the following. The degree awarded will be a BA.

Arts of Canada Program (see page 220)
Film Studies (see page 220)
Indigenous Studies (see page 221)
Music (see page 111)
Professional Writing in Journalism and Publishing (see page 116)
Social Justice Studies (see page 223)

MINOR PROGRAM

A Minor is an optional program that allows students to study in an area outside their Honours, Major or General Program areas. Requirements vary and are specified in the Minor requirements of the department concerned. Where not specified, the requirements for a Minor follow the requirements for the department General Program in one area only.

- No more than 3 units of the 300- and 400-level course work required for the Minor can be taken elsewhere, and at least 6 of the units required for the Minor must be completed at UVic.
- If the Minor requires 9 units of 300- and 400-level course work, these 9 units cannot form part of the 300- and 400-level department requirements for a student's Honours or Major Program. Corequisite courses in other programs may be counted towards the Minor.
- If the Minor requires less than 9 units of 300- and 400-level course work, no courses at the 300- or 400-level can form part of the requirements for a student's Honours, Major or General Program or Option. Required or corequisite courses at the 200 level or higher in other programs or options may not be counted toward the Minor.

Only one Minor can be declared on a student's program.

In addition to department Minors, the following Minors are offered:

Interdisciplinary Minors

Applied Ethics (see page 222)
Arts of Canada Program (see page 220)
European Studies (see page 221)
Film Studies (see page 220)
Human Dimensions of Climate Change (see page 223)
Indigenous Studies (see page 221)
Social Justice Studies (see page 223)

Student-Designed Minor

Students may undertake an interdisciplinary Minor that is not listed in the Calendar. In addition to the requirements of the Minors listed above, this student-designed Minor must:

- Include courses from at least two departments, with a minimum of 3 units from each department
- Consist of courses taken only at UVic
- Have structure, coherence and theme; it cannot consist of unrelated courses
- Be approved by the Chair/Adviser of the departments concerned
- Be approved by the Director of Academic Advising
- Be declared by the end of the student's third year

Students must discuss their proposed Student-Designed Minor with department Chairs/Advisers before submitting their request to the Director of Academic Advising. The Student-Designed Interdisciplinary Minor form is available from the Academic Advising Centre, A205, University Centre.

Co-operative Education Programs

Refer to page 45 of the Calendar for a general description of Co-operative Education.

Admission to and completion of Co-operative Education Programs are governed by individual departmental regulations. In general, students participating in the Co-operative Education Program must maintain a GPA of at least 3.5 overall. As a required part of the program, students are employed for specific Work Terms. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35. This employment is related as closely as possible to the student's course of studies and individual interest.

In addition to the graduation requirements outlined on page 172, a student must have a graduating GPA of at least 3.5 in order to graduate with Co-operative Education notation.

Students may withdraw from the Co-operative Education Program at any time during an academic term and remain enrolled in a Major or an Honours Program.

The Faculty of Science offers Co-operative Education Programs in Biochemistry and Microbiology, Biology, Chemistry, Earth and Ocean Sciences, Mathematics and Statistics, and Physics and Astronomy. The details of the programs are provided under individual department entries.

Department of Biochemistry and Microbiology

Robert D. Burke, BSc, PhD (Alta), Professor, Cross-listed with Biology, and Chair of the Department
 Juan Ausio, BSc, PhD (Barcelona), Professor
 Christoph Borchers, BSc, MSc, PhD (Konstanz), Professor

Claire Cupples, BSc (UVic), MSc (Calgary), PhD (York), Professor

Stephen Evans, BSc, PhD (UBC), Professor
 Santosh Misra, BSc, MSc (Delhi), PhD (McMaster), Professor

Francis E. Nano, AB (Oberlin), MS, PhD (Ill), Professor

Terry W. Pearson, BSc, PhD (UBC), Professor
 Paul J. Romaniuk, BSc, PhD (McMaster), Professor
 Christopher Upton, BSc, PhD (Lond), Professor
 Alisdair Boraston, BSc, PhD (UBC), Associate Professor

Caroline E. Cameron, BSc, PhD (UVic), Associate Professor

Caren C. Helbing, BSc (Hons) (Windsor), PhD (Western), Associate Professor

Martin J. Boulanger, BSc, PhD (UBC), Assistant Professor

Christopher Nelson, BSc, PhD (UBC), Assistant Professor

Perry Howard, BSc (Waterloo), PhD (Toronto), Assistant Professor, Cross-listed with Biology

Barbara Currie, BSc (UBC), Senior Microbiology Laboratory Instructor

Margaret Dawkins, BSc, MSc (UVic), Administrative Officer

Albert Labossiere, Technical Services Manager

Rozanne Poulson, BSc, PhD (Wales), Co-operative Education Coordinator

Glen R. Pryhitka, BSc (UBC), Senior Biochemistry Laboratory Instructor

Visiting, Adjunct and Cross-listed Appointments

N. Leigh Anderson, BA, PhD (Cambridge), Adjunct Professor

Julian J. Lum, BSc, MSc, PhD (Ottawa), Adjunct Assistant Professor

Brad H. Nelson, BSc (Hons) (UBC), PhD (California), Adjunct Professor

Peter H. Watson, BA, MA, MB BChir (Cambridge), FRCP (Manitoba), Adjunct Professor

John R. Webb, BSc, MSc, PhD (Western Ontario), Adjunct Associate Professor

Biochemistry and Microbiology

General Office: 250-721-7077

Fax: 250-721-8855

Email: biocmicr@uvic.ca

Web: <web.uvic.ca/biochem/>

BIOCHEMISTRY AND MICROBIOLOGY PROGRAMS

The department offers Honours, Major, General and Minor Programs in Biochemistry or Microbiology, a Combined Major in Biochemistry or

Microbiology and Chemistry, and a Combined Honours and Major in Biochemistry and Physics.

Co-operative Education Programs

Please, see page 177.

PROGRAM REQUIREMENTS

Notes on Course Requirements

- Courses may be taken in different sequences and in different years from those indicated provided the corequisite and prerequisite requirements are satisfied. However, students must be extremely careful in planning programs that differ from the normal sequence and pay close attention to scheduling conflicts.

- Failure to take courses in the years indicated may delay graduation.

- Directed studies courses are normally only available to students with a minimum cumulative GPA of 5.0 and fourth-year standing in the Biochemistry or Microbiology programs.

- Students should consult the department concerning courses offered in a particular year.

- The department does not offer the E grade and supplemental examinations.

Honours Programs

Students who wish to be admitted to one of the Honours programs should apply to the department on completion of their third year. The general requirement for admission to the Honours Program is a GPA of at least 6.0 in the preceding 15 units of course work.

The Biochemistry and Microbiology Honours program offers students an intensive, advanced experience in academic studies and research. Students normally begin their Honours program in the fall term and are expected to complete the final year requirements of the Honours program in two consecutive academic terms. However, students in the Honours Biochemistry and Microbiology Cooperative Program may begin in the spring term, undertake a work term during the summer months, and complete in the fall term to fulfill the final year requirements in three consecutive terms.

An Honours degree will be awarded to students obtaining a minimum GPA of 5.5 in 300- and 400- level department courses, which must include a minimum grade of A- in BIOC 499A and B, or MICR 499A and B.

If a student fails to meet the standards for the Honours degree, but does meet the Major degree requirements, the department may recommend the appropriate class of Major degree.

Biochemistry Program Requirements Honours Program

First Year

BIOL 190A ¹	1.5
CHEM 101, 102	3.0
ENGL 115 or 135	1.5
MATH 100 and 101, or 102 and 151 ²	3.0
PHYS 102 ³ or 112, or 120 and 130	3.0
Other courses	3.0
Total	15.0

Second Year

BIOL 225 ¹ , 230	3.0
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CHEM 213, 231, 235	4.5
MICR 200A, 200B	3.0
STAT 255 or equivalent	1.5
Other courses	3.0
Total	15.0

Third Year

BCMB 301A, 301B	3.0
BIOC 300A, 300B	3.0
CHEM 222, 245	3.0
MICR 302, 303	3.0
Other courses ⁴	3.0
Total	15.0

Fourth Year

Two of BIOC 401, 403, 404, 407, 408	3.0
BIOC 499A, 499B	3.0
CHEM 337 and one of 335, 347, 352, 353	3.0
Two of MICR 402, 405, 408	3.0
Other courses	3.0
Total	15.0

1. MICR 200A replaces BIOL 190B as a prerequisite or corequisite to BIOL 225.

2. Students in the Biochemistry program are strongly advised to take MATH 100 and 101.

3. The Physics requirements can be satisfied with a minimum mark of C+ in PHYS 102.

4. Generally recommended courses: BIOL 360, BIOL 361. Recommended for a Physical Biochemistry focus: MATH 200.

Major Program

First Year

BIOL 190A ¹	1.5
CHEM 101, 102	3.0
ENGL 115 or 135	1.5
MATH 100 and 101, or 102 and 151 ²	3.0
PHYS 102 ³ or 112, or 120 and 130	3.0
Other courses	3.0
Total	15.0

Second Year

BIOL 225 ¹ , 230	3.0
CHEM 213, 231, 235	4.5
MICR 200A, 200B	3.0
STAT 255 or equivalent	1.5
Other courses	3.0
Total	15.0

Third Year

BCMB 301A, 301B	3.0
BIOC 300A, 300B	3.0
CHEM 222, 245	3.0
MICR 302, 303	3.0
Other courses ⁴	3.0
Total	15.0

Fourth Year

BCMB 406A, 406B	3.0
Two of BIOC 401, 403, 404, 407, 408	3.0
CHEM 337 and one of 335, 347, 352, 353	3.0
400-level science electives	3.0
Other courses	3.0
Total	15.0

1. MICR 200A replaces BIOL 190B as a prerequisite or corequisite to BIOL 225.

2. Students in the Biochemistry program are strongly advised to take MATH 100 and 101.
3. The Physics requirements can be satisfied with a minimum mark of C+ in PHYS 102.
4. Generally recommended courses: BIOL 360, BIOL 361. Recommended for a Physical Biochemistry focus: MATH 200.

General and Minor Programs

First Year	
BIOL 190A ¹	1.5
CHEM 101, 102	3.0
MATH 100 and 101, or 102 and 151	3.0
PHYS 102 ² or 112, or 120 and 130	3.0
Other courses	4.5
Total	15.0

Second Year	
BIOL 225 ¹ , 230	3.0
CHEM 213, 231, 235	4.5
MICR 200A, 200B	3.0
STAT 255 or equivalent	1.5
Other courses	3.0
Total	15.0

Third and Fourth Years	
BIOC 300A, 300B	3.0
3.0 additional units of BIOC or BCMB	3.0
MICR 302, 303	3.0
Minimum 21 additional course units	21.0
Total	30.0

1. MICR 200A replaces BIOL 190B as a prerequisite or corequisite to BIOL 225.
2. The Physics requirements can be satisfied with a minimum mark of C+ in PHYS 102.

Microbiology Program Requirements Honours Program

First Year	
BIOL 190A ¹	1.5
CHEM 101, 102	3.0
ENGL 115 or 135	1.5
MATH 100 and 101, or 102 and 151	3.0
PHYS 102 ² or 112, or 120 and 130	3.0
Other courses	3.0
Total	15.0

Second Year	
BIOL 225 ¹ , 230	3.0
CHEM 213, 231, 235	4.5
MICR 200A, 200B	3.0
STAT 255 or equivalent	1.5
Other courses	3.0
Total	15.0

Third Year	
BCMB 301A, 301B	3.0
BIOC 300A, 300B	3.0
BIOL 360, 361	3.0
MICR 302, 303	3.0
Other courses	3.0
Total	15.0

Fourth Year	
Two of BIOC 401, 403, 404, 407, 408	3.0
Two of MICR 402, 405, 408	3.0
MICR 499A, 499B	3.0

Science elective ³	3.0
Other courses	3.0
Total	15.0

1. MICR 200A replaces BIOL 190B as a prerequisite or corequisite to BIOL 225.

2. The Physics requirements can be satisfied with a minimum mark of C+ in PHYS 102.

3. BIOL 438 is recommended

Major Program

First Year	
BIOL 190A ¹	1.5
CHEM 101, 102	3.0
ENGL 115 or 135	1.5
MATH 100 and 101, or 102 and 151	3.0
PHYS 102 ² or 112, or 120 and 130	3.0
Other courses	3.0
Total	15.0

Second Year	
BIOL 225 ¹ , 230	3.0
CHEM 213, 231, 235	4.5
MICR 200A, 200B	3.0
STAT 255 or equivalent	1.5
Other courses	3.0
Total	15.0

Third Year	
BCMB 301A, 301B	3.0
BIOC 300A, 300B	3.0
BIOL 360, 361	3.0
MICR 302, 303	3.0
Other courses	3.0
Total	15.0

Fourth Year	
BCMB 406A, 406B	3.0
Two of MICR 402, 405, 408	3.0
400-level science electives ³	3.0
Other science electives	3.0
Other courses	3.0
Total	15.0

1. MICR 200A replaces BIOL 190B as a prerequisite or corequisite to BIOL 225.
2. The Physics requirements can be satisfied with a minimum mark of C+ in PHYS 102.
3. BIOL 438 is recommended

General and Minor Programs

First Year	
BIOL 190A ¹	1.5
CHEM 101, 102	3.0
MATH 100 and 101, or 102 and 151	3.0
PHYS 102 ² or 112, or 120 and 130	3.0
Other courses	4.5
Total	15.0

Second Year	
BIOL 225 ¹ , 230	3.0
CHEM 213, 231, 235	4.5
MICR 200A, 200B	3.0
STAT 255 or equivalent	1.5
Other courses	3.0
Total	15.0

Third and Fourth Years

BIOC 300A, 300B	3.0
MICR 302, 303	3.0
3.0 additional units of MICR or BCMB	3.0
Minimum 21 additional course units	21
Total	30.0

1. MICR 200A replaces BIOL 190B as a prerequisite or corequisite to BIOL 225.
2. The Physics requirements can be satisfied with a minimum mark of C+ in PHYS 102.

Combined Biochemistry and Chemistry Program Requirements

Combined Major in Biochemistry and Chemistry

First Year	
BIOL 190A ⁵	1.5
CHEM 091 and 101 ¹ , or 101 ²	1.5
CHEM 102	1.5
ENGL 115 or 135	1.5
MATH 100, 101	3.0
PHYS 112 ³	3.0
Electives ⁴	3.0
Total	15.0

Second Year	
BIOL 225 ^{5,6}	1.5
CHEM 212, 213, 222, 231, 235, 245 ⁶	9.0
One of MATH 122, 200 (or 205), 201, 211, 212	1.5
MICR 200A, 200B	3.0
Total	15.0

Third Year	
BCMB 301A, 301B	3.0
BIOC 300A, 300B	3.0
CHEM 324, 352, 353, 362 ⁷ , 363 ⁷	7.5
MICR 302, 303	3.0
Total	16.5

Fourth Year	
BCMB 406A, 406B	3.0
Two of BIOC 401, 403, 404, 407, 408	3.0
CHEM 335	1.5
Three of CHEM 318, 347, 361 ⁷ , 364 ⁷	4.5
Two of MICR 402, 405, 408	3.0
Total	15.0

1. For students with Chemistry 11 and Mathematics 12 or equivalents.

2. For students with Chemistry 12 and Mathematics 12 or equivalents.

3. The Physics requirement may also be satisfied by PHYS 120 and 130, or PHYS 102 and 120.

4. CHEM 231 may be taken in the second term of the first year, and 1.5 units of these electives postponed.

5. MICR 200A replaces BIOL 190B as a prerequisite or corequisite to BIOL 225.

6. BIOL 225 may be taken in the third year as a corequisite to BIOC 300A and 300B. Alternatively, CHEM 245 may be deferred to the fall term of the third year.

7. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

Combined Microbiology and Chemistry Program Requirements

Combined Major in Microbiology and Chemistry

First Year	
BIOL 190A ⁵	1.5
CHEM 091 and 101 ¹ , or 101 ²	1.5
CHEM 102	1.5
ENGL 115 or 135	1.5
MATH 100, 101	3.0
PHYS 112 ³	3.0
Electives ⁴	3.0
Total	15.0

Second Year	
BIOL 225 ^{5,6}	1.5
CHEM 212, 213, 222, 231, 235, 245 ⁶	9.0
One of MATH 122, 200 (or 205), 201, 211, 212...1.5	
MICR 200A, 200B	3.0
Total	15.0

Third Year	
BCMB 301A, 301B	3.0
BIOC 300A, 300B	3.0
CHEM 324, 352, 353, 362 ⁷ , 363 ⁷	7.5
MICR 302, 303	3.0
Total	16.5

Fourth Year	
BCMB 406A, 406B	3.0
Two of BIOC 401, 403, 404, 407, 408	3.0
CHEM 335	1.5
Three of CHEM 318, 347, 361 ⁷ , 364 ⁷	4.5
Two of MICR 402, 405, 408	3.0
Total	15.0

1. For students with Chemistry 11 and Mathematics 12 or equivalents.

2. For students with Chemistry 12 and Mathematics 12 or equivalents.

3. The Physics requirement may also be satisfied by PHYS 120 and 130, or PHYS 102 and 120.

4. CHEM 231 may be taken in the second term of the first year, and 1.5 units of these electives postponed.

5. MICR 200A replaces BIOL 190B as a prerequisite or corequisite to BIOL 225.

6. BIOL 225 may be taken in the third year as a corequisite to BIOC 300A and 300B. Alternatively, CHEM 245 may be deferred to the fall term of the third year.

7. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

Combined Biochemistry and Physics Program Requirements

Combined Honours in Biochemistry and Physics

First Year	
BIOL 150A or 190A	1.5
CHEM 101, 102	3.0
CSC 110	1.5
ENGL 115 or 135	1.5
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Elective ¹	1.5
Total	15.0

Second Year	
BIOL 225	1.5
CHEM 231, 235	3.0
MATH 200, 201, 211	4.5
MICR 200A	1.5
PHYS 214, 215, 216	4.5
Total	15.0

Third Year	
BCMB 301A	1.5
BIOC 300A, 300B	3.0
CHEM 213, 245	3.0
MATH 300, 301, 342	4.5
PHYS 325, 326	3.0
Elective	1.5
Total	16.5

Fourth Year	
Two of BIOC 401, 403, 404, 407, 408	3.0
BIOC 499A and 499B; or PHYS 429A and 429B	3.0
PHYS 313 or 314, 317, 321A, 321B, 323	7.5
PHYS 460	0.0
Electives ³	4.5
Total	18.0

Combined Major in Biochemistry and Physics

First Year	
BIOL 150A or 190A	1.5
CHEM 101, 102	3.0
CSC 110	1.5
ENGL 115 or 135	1.5
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Elective ¹	1.5
Total	15.0

Second Year	
BIOL 225	1.5
CHEM 231, 235	3.0
MATH 200, 201, 211	4.5
MICR 200A	1.5
PHYS 214, 215, 216	4.5
Total	15.0

Third Year	
BCMB 301A	1.5
BIOC 300A, 300B	3.0
CHEM 213, 245	3.0
MATH 300, 301, 342	4.5
PHYS 325, 326	3.0
Elective	1.5
Total	16.5

Fourth Year	
Two of BIOC 401, 403, 404, 407, 408	3.0
PHYS 313 or 314, 317, 321A, 323	6.0
PHYS electives ²	3.0
Electives ³	3.0
Total	15.0

1. Must have credit for Biology 11/12 or BIOL 150A and 150B or equivalent.

2. Chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher.

3. PHYS 242 is strongly recommended. One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

BIOCHEMISTRY AND MICROBIOLOGY Co-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program at UVic is described in general on page 45 and specifically for the Faculty of Science on page 174.

Co-op/Internship Program Requirements

Entry into the Biochemistry and Microbiology Co-operative Program is restricted to students who are enrolled in an Honours or Major Program offered by the department. To qualify for entry and continuation in the Co-operative Education Program, students must be enrolled on a full-time basis and must normally maintain a B average (4.5) in Biochemistry and Microbiology courses, and overall. Students are also required to satisfactorily complete four work terms. The first work term is undertaken in the Summer following the second academic year. After the first work term, academic and work terms alternate. Each work term will be recorded on the student's academic record and transcript (as COM, N/X, or F/X).

A student may at any time during an academic term transfer from the Biochemistry and Microbiology Co-operative Education Program to a regular Biochemistry and Microbiology program.

The department also offers an optional Internship Education Program. Students are required to satisfactorily complete 12 or 16 months of consecutive work term placements, beginning in the Spring or Summer of the third academic year. The Internship Education Program may be combined with an Honours Program.

Applications and further information about the Co-operative Education Program in Biochemistry and Microbiology are available from the department or at: <www.coop.uvic.ca/bioccoop/>.

Department of Biology

Kerry R. Delaney, BSc (UBC), PhD (Princeton),
Professor and Chair of the Department

Bradley R. Anholt, BSc (Alta), MSc (Calgary), PhD (UBC), Professor

Robert D. Burke, BSc, PhD (Alta), Professor
Francis Y.M. Choy, BSc (Man), MSc, PhD (N Dakota), Professor

William A. Cupples, BSc (Victoria), MSc (Calgary),
PhD (Tor), Professor Limited Term (2006-2011)

Barry W. Glickman, BSc, MSc (McGill), PhD (Leiden), Professor

Patrick T. Gregory, BSc (Tor), MSc, PhD (Man),
Professor

Barbara J. Hawkins, BSF (UBC), PhD (Cant),
Professor

William E. Hintz, BSc (Car), MSc, PhD (Tor),
Professor

Kim M. Juniper, BSc (Alberta), PhD (Cant NZ),
Professor and BC Leadership Chair in Marine
Ecosystems and Global Change

Ben F. Koop, BS, MS (Texas Tech), PhD (Wayne St),
Professor

Asit Mazumder, BSc, MSc (Chittagong), MSc
(Brock), PhD (Wat) Professor and NSERC
Industrial Chair.

David H. Turpin, BSc, PhD (UBC) FRSC, Professor
 Verena J. Tunnichliffe, BSc (McMaster), MPhil, PhD (Yale), FRSC, Professor
 Patrick von Aderkas, BSc (Guelph), PhD (Manc), Professor
 Geraldine A. Allen, BSc, MSc (UBC), PhD (Ore St), Associate Professor and Curator of the Herbarium
 Brian Christie, BSc, MSc (Calgary), PhD (Otago) Associate Professor Limited Term (2007-2012)
 C. Peter Constabel, BSc (Sask), MSc (UBC), PhD (Montreal), Associate Professor
 John F. Dower, BSc (Memorial), PhD (Victoria), Associate Professor
 Perry L. Howard, BSc (Wat), PhD (Tor), Associate Professor
 Louise R. Page, BSc, MSc (Alta), PhD (Victoria), Associate Professor
 John S. Taylor, BSc, MSc (York), PhD (SFU), Associate Professor
 Robert L. Chow, BSc (Tor), PhD (NYU), Assistant Professor
 Juergen Ehling, MSc (Cologne), PhD (Max-Planck, Cologne), Assistant Professor
 Raad Nashmi, BSc, MSc, PhD (Tor), Assistant Professor
 Patrick Nahirney, BSc (Wash), MSc, PhD (UBC), Assistant Professor Limited Term (2009-2013)
 Steve Perlman, BSc, MSc (Tor), MA (Rochester), PhD (Arizona), Assistant Professor
 Réal Roy, BSc (Quebec), PhD (McGill), Assistant Professor
 Diana E. Varela, BSc (UNS, Arg), MA (Boston), PhD (UBC), Assistant Professor
 Gregory C. Beaulieu, BA, BSc (Calgary), MSc (Guelph), PhD (Wash), Senior Instructor (2009-2013)
 David C. Creasey, BSc, PhD (Man), Senior Instructor (2009-2013)
 Thomas E. Reimchen, BSc (Alta), PhD (Liv), Senior Instructor (2009-2013)
 Dawna G. Brand, BSc (Victoria), Senior Laboratory Instructor
 Kimberley Curry, BSc (Victoria), MSc (Alberta), Senior Laboratory Instructor
 Heather Down, BSc (Victoria), Scientific Assistant
 Thomas A. Gore, Senior Scientific Assistant
 Janice D. Gough, BSc (Dalhousie), Administrative Officer
 Brent E. Gowen, BSc (Man), Senior Scientific Assistant
 My Lipton, BSc (Victoria), Scientific Assistant
 Paul A. Lisson, BSc, MSc (Victoria), Laboratory Instructor
 Roswitha Marx, Staatsexamen (Kaiserslautern), MSc (Sask), PhD (Victoria), Senior Laboratory Instructor
 Rebecca Metcalfe, BSc, MSc (Victoria), Senior Laboratory Instructor
 Anne Parkinson, BSc, MSc (Victoria), Co-operative Education Coordinator
 Lijuan Sun, BSc (Jiamusi, China), MSc (Fourth Military, China), MSc (Ottawa), Scientific Assistant
 Neville Winchester, BSc, MSc, PhD (Victoria), Senior Laboratory Instructor

Adjunct Appointments

Joseph A. Antos, BS (N Ill), MA (Mon), PhD (Ore St), Adjunct Professor (2007-2010)
 Max L. Bothwell, BA, MA (Calif-Santa Barbara), PhD (Wisconsin), Adjunct Professor (2008-2011)
 Laurie H.M. Chan, BSc, MSc (Hong Kong), PhD (London), Adjunct Professor (2009-2012)
 Abul K.M. Ekramoddoullah, BSc, MSc (Dhaka), PhD, (McGill), Adjunct Professor (2008-2011)
 George D. Jackson, BSc, PhD (James Cook), Adjunct Professor (2007-2010)
 Job Kuij, BA (UBC), MA, PhD (Calif-Berk), Adjunct Professor (2007-2010)
 Thurston C. Lacalli, BSc (Wash), PhD (UBC), Adjunct Professor (2008-2011)
 Patrick M.J. MacLeod, BSc, MD (UBC), Adjunct Professor (2007-2010)
 Thomas E. Reimchen, BSc (Alta), PhD (Liv), Adjunct Professor (2009-2012)
 Henry M. Reiswig, BA, MA (Calif-Berk), MSc, PhD (Yale), Adjunct Professor (2007-2010)
 Rachael Scarth, BSc, MSc, PhD (Cant), Adjunct Professor (2009-2012)
 Nancy M. Sherwood, BSc (Oregon), MA, PhD (Calif-Berk), Adjunct Professor (2007-2010)
 Klaas Broersma, BSc, MSc (UBC), PhD (Alberta), Adjunct Associate Professor (2007-2010)
 Alan E. Burger, BSc, BSc, PhD (Cape T), Adjunct Associate Professor (2007-2010)
 Johan De Boer, Kandidaats DrsEx (Groningen), PhD (Amsterdam), Adjunct Associate Professor (2009-2012)
 Donald S. Eastman, BSc (UBC), MSc (Aberd), PhD (UBC), Adjunct Associate Professor (2007-2010)
 Richard J. Hebda, BSc (McMaster), PhD (UBC), Adjunct Associate Professor (2007-2010)
 Karl W. Larsen, BSc, MSc (Victoria), PhD (Alta), Adjunct Associate Professor (2009-2012)
 Alan K. Mitchell, BSc, MSc (Victoria), PhD (Washington), Adjunct Associate Professor (2008-2011)
 Brad H. Nelson, BSc (UBC), PhD (Calif-Berk), Adjunct Associate Professor (2009-2012)
 John H. Russell, BSF (Toronto), MSc (Calif-Berk), PhD (UBC), Adjunct Associate Professor (2007-2010)
 Rehan Sadiq, BSc, MSc (Engineering & Tech, Lahore), MSc (King Fahd, Saudia Arabia), PhD (Memorial) (2009-2012)
 Alvin D. Yanchuk, BSc, MSc, PhD (Alberta), Adjunct Associate Professor (2007-2010)
 Paul de la Bastide, BSc (Queen's), MSc (Waterloo), PhD (Laval), Adjunct Assistant Professor (2009-2012)
 Joachim Carolsfeld, BSc, MSc, PhD (Victoria), Adjunct Assistant Professor (2008-2011)
 Michael Clinchy, BSc (Tor), MSc (Queen's), PhD (UBC), Adjunct Associate Professor (2008-2011)
 Louis A. Gosselin, BSc, MSc (Laval), PhD (Alberta), Adjunct Assistant Professor (2007-2010)
 David M. Holloway, BA (Puget Sound), PhD (UBC), Adjunct Assistant Professor (2007-2010)
 Steven J. Insley, BA (SFU), MSc (Victoria), PhD (Calif-Davis), Adjunct Assistant Professor (2007-2010)

Simon R.M. Jones, BSc, MSc, PhD (Guelph), Adjunct Assistant Professor (2009-2012)
 Julian Lum, BSc, PhD (Ottawa), Adjunct Assistant Professor (2009-2012)
 R. John Nelson, BS (Calif-Davis), PhD (Wisconsin), Adjunct Assistant Professor (2007-2010)
 Richard Nordin, BSc, MSc (N Dakota), PhD (UBC), Adjunct Assistant Professor (2009-2012)
 Patrick O'Hara, BSc (UBC), PhD (SFU), Adjunct Assistant Professor (2009-2012)
 Michael Stoehr, BSc, MSc (Lake), PhD (Tor), Adjunct Assistant Professor (2009-2012)
 J. Anthony Trofymow, BSc (Lethbridge), MSc, PhD (Colorado), Adjunct Assistant Professor (2007-2010)
 Marc M. Trudel, BSc, MSc (Montreal), PhD (McGill), Adjunct Assistant Professor (2009-2012)
 Patrick B. Walter, BSc (SFU), MSc (UBC), PhD (Swiss Fed. Inst of Technology), Adjunct Assistant Professor (2009-2012)
Biology General Office
 Phone: 250-721-7094 or 250-721-7095
 Fax: 250-721-7120
 Email: biology@uvic.ca
 Web: <web.uvic.ca/biology/>

BIOLOGY PROGRAMS

Students have the opportunity to study Biology at one of the following levels of concentration: General, Minor, Major or Honours. BSc Honours and Major Programs are intended for those planning to become professional biologists. Both require a core of Biology courses, corequisite courses in the other sciences and a selection of upper-level courses suited to the interests of individual students. The Honours Program requires undergraduates to undertake a research project including the writing and defense of an Honours thesis. Students intending to pursue research or continue their studies for MSc or PhD degrees should consider the Honours Program. The distinctive character of BSc or BA General Programs is the variety of course options possible. Students in these programs may wish to combine a concentration in Biology with one in another science area (BSc) or an arts area (BA). Such interdisciplinary programs may be advantageous to students considering a postgraduate degree in the Health Sciences or Education.

Biology Courses for Non-Majors

The Biology department offers several courses for students not undertaking an undergraduate program in Biology. These courses cover areas of Biology of general interest and relevance. Courses in this category include BIOL 150A, 150B, 334, and 400. Certain other courses may be taken with the permission of the instructor.

Biology Courses Offered Through the Bamfield Marine Sciences Centre

Marine Science courses (MRNE courses in the course listings) are offered at the Bamfield Marine Sciences Centre, the majority during the summer months. Registration information for the Summer Program is available from the Biology department and our website: <www.bms.bc.ca>.

Bamfield Marine Sciences Centre also offers a 7.5 unit Fall Program. Students accepted into this program will have at least third-year stand-

ing in Biology. Contact the Biology department for further information.

Bamfield courses taken by students at the University of Victoria will be treated as if they had been offered by the Biology department at the University of Victoria in determining the student's grade point averages, and in satisfying University, faculty, and departmental program requirements.

Co-operative Education Programs

Please, see page 181.

PROGRAM REQUIREMENTS

Notes on Course Requirements

- Biology 12 is normally required for entry into Major, Honours, General or Minor Programs. Students with Biology 11 only are required to take BIOL 150B to enter Majors, Honours or General Programs.

- Major and Honours students are expected to participate fully in all aspects of laboratory work including handling live and preserved organisms. Laboratory work using animals is reviewed annually by the UVic Animal Care Committee and complies with guidelines established by the Canadian Council on Animal Care. Students who are unwilling to use animals and plants for educational purposes will not normally be able to complete a Major or Honours Program. The General Program provides an alternative for students in such a position. Students who have ethical or health concerns that interfere with normal program requirements should write to the Chair of the Biology department. This should be done at least six weeks before the beginning of the term in which the course of concern is being offered.

- Students from outside the Department of Biology wanting to take BIOL courses are encouraged to take BIOL 150A and B or BIOL 190A and B, and as many as possible of BIOL 215, 225 and 230. Students who wish to take upper-level courses should contact the undergraduate adviser or instructor to determine which core courses are most suitable as prerequisites.

- Students considering going on to professional schools (e.g., Medicine, Dentistry, Veterinary Science) should include the Science, Math and English courses that are prerequisite to entry into these professional programs. Three units of PHYS are required for most first-year preprofessional programs. Students contemplating entry into Medicine after the third year should consult with the department.

- Students considering a teaching career are advised to consider the following programs:

- for Senior Secondary level: a BSc Major or Honours
- for Junior Secondary School and Elementary level: a BSc or BA General Program
- for teacher certification: consult the Faculty of Education.

- Because of the importance of biometrics in most biological work, students in Biology programs should consider taking additional STAT courses.

- Students may be required to meet part of the expenses involved in required field trips.

- The department does not offer supplemental examinations.

Notes on Biology Upper Level Electives

Biology upper level electives should be chosen with the student's full program in mind. Students cannot expect to be admitted to courses without the prerequisites.

Honours Program

Honours students complete the program of required courses shown below and the Biology electives as described for the Major, and in addition take BIOL 460 (1.0) and BIOL 499 (3.0) in their fourth year. Of the remaining 9 units to complete the 61 unit degree requirement, at least 3 units must be from an additional course(s) in Biology chosen in consultation with the department.

Any prospective Honours students should first discuss proposed thesis research with a faculty member and obtain the member's consent to serve as thesis supervisor. The student should then apply to the departmental Honours Adviser for admission to the Honours Program before May 1 in the third year of studies. However, applications will be accepted up to the end of fall registration in the fourth year of studies. The completed thesis will be examined by a small committee including the supervisor. Applicants should have and maintain a GPA of at least 6.0 in all department courses.

A student who obtains a minimum GPA of 5.5 and a minimum grade of A- in BIOL 499, will receive an Honours in Biology. A student with a GPA of less than 5.5 will receive a Major in Biology, regardless of the grade obtained in BIOL 499. The submission date for the thesis is the last day of lectures.

Proficiency in more than one language is often required in graduate studies. Students planning graduate work are encouraged to elect one or two language courses.

Course Requirements

Honours Program

First Year

BIOL 190A, 190B.....	3.0
CHEM 101, 102.....	3.0
MATH 100 and 101, or 102 and 151	3.0
PHYS 102 or 112; or 120 and 130	3.0
Electives.....	3.0
Total	15.0

Second Year

BIOL 299 ¹	1.5
BIOL 215, 225, 230	4.5
CHEM 231, and 232 or 235	3.0
STAT 255 or 260	1.5
Science elective ²	1.5
Electives.....	3.0
Total	15.0

Third Year

BIOL upper-level electives ³	9.0
Science electives ²	3.0
Electives.....	3.0
Total	15.0

Fourth Year

BIOL 460, 499A, 499B	4.0
BIOL upper-level electives ³	6.0
Electives.....	6.0

Total.....	16.0
Total units	61.0

Major Program

First Year

BIOL 190A, 190B.....	3.0
CHEM 101, 102.....	3.0
MATH 100 and 101, or 102 and 151	3.0
PHYS 102 or 112; or 120 and 130	3.0
Electives.....	3.0
Total.....	15.0

Second Year

BIOL 299 ¹	1.5
BIOL 215, 225, 230	4.5
CHEM 231, and 232 or 235	3.0
STAT 255 or 260	1.5
Science elective ²	1.5
Electives.....	3.0
Total.....	15.0

Third Year

BIOL upper-level electives ³	9.0
Science electives ²	3.0
Electives.....	3.0
Total	15.0

Fourth Year

BIOL upper-level electives ³	6.0
Electives.....	9.0
Total	15.0
Total units	60.0

General and Minor Programs

BSc

First Year

BIOL 190A, 190B.....	3.0
CHEM 101, 102.....	3.0
MATH 100 and 101, or 102 and 151	3.0
PHYS 102 or 112; or 120 and 130	3.0
Electives.....	3.0
Total	15.0

Second Year

BIOL 215 or 225.....	1.5
Electives.....	13.5
Total	15.0

Third and Fourth Year

BIOL 200-level or above.....	1.5
BIOL upper-level electives ³	9.0
Electives ⁴	19.5
Total	30.0
Total units	60.0

BA

First Year

BIOL 190A, 190B.....	3.0
CHEM 101, and 102 or 231	3.0
Electives.....	9.0
Total	15.0

Second Year

BIOL 215 or 225.....	1.5
Electives.....	13.5
Total	15.0

Third and Fourth Year	
BIOL 200-level or above.....	1.5
BIOL upper-level electives ³	9.0
Electives ⁴	19.5
Total	30.0
Total units	60.0

1. BIOC 300A or 300B may be used to fulfill the Biochemistry requirement in Biology programs; however, BIOC 299 is a prerequisite for some 300-level BIOL courses.
2. Science electives are courses at any level offered by the Departments of Biochemistry and Microbiology, Chemistry, Computer Science, Mathematics and Statistics, Physics and Astronomy, or the School of Earth and Ocean Sciences. Only one of EOS 350, 360, 370 may be taken for credit as a science elective.
3. Students are encouraged to seek advice regarding program requirements and prerequisites from an Undergraduate Adviser.
4. The 19.5 units of electives in third and fourth years must include 9 units of 300-level or above in second area of concentration for the General Program.

Combined Biology and Earth and Ocean Sciences Program Requirements

Notes on Course Requirements

1. Biology 12 is normally required for entry into the Combined Biology and Earth Science program. Students with Biology 11 only are required to take BIOL 150B.
2. Students should note that EOS 240 is a prerequisite for several upper-level EOS courses (EOS 316, 335, 403, 408, 416, 420, 425, 440, 450, 460).
3. EOS 300 is strongly recommended for all students.

Combined Honours Program in Biology and Earth and Ocean Sciences

Admission to the Combined Honours Biology and Earth Sciences Program requires the permission of both the Department of Biology and the School of Earth and Ocean Sciences. To receive an Honours degree, a student must obtain: (1) a minimum graduating GPA of 5.5 overall; (2) a minimum GPA of 6.0 in SEOS or Biology courses at the 300 and 400 level; and a minimum grade of A- in BIOL 499A and 499B or EOS 499A and 499B.

First Year	
BIOL 190A, 190B.....	3.0
CHEM 101, 102	3.0
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 102 or 112; or 120 and 130	3.0
Total:	15.0

Second Year	
BIOL 215, 225	3.0
BIOL 230 or BIOC 299	1.5
CHEM 231, 245	3.0
EOS 201, 205, 240	4.5
EOS 202 or 260 ¹	1.5
MATH 202	1.5
Total:	15.0

Third and Fourth Years	
BIOL 330	1.5
BIOL 355 or 370	1.5
BIOL 460 ²	1.0

EOS 300 or 460 ¹	1.5
EOS 225, 330, 335	4.5
EOS 499A and 499B or BIOL 499A and 499B ²	3.0
STAT 255 or 260	1.5
BIOL upper-level electives ³	7.5
EOS upper-level electives ⁴	6.0
Science upper-level electives	1.5
Electives	1.5
Total:	30.0 or 31.0²

1. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).
2. Students registering for BIOL 499A/B must also take BIOL 460 (Honours Seminar).
3. Recommended courses include EOS 311 or BIOL 311, BIOL 319, 321, 322, 335, 418, 427, 435, 438, 446.
4. Recommended courses include EOS 403, 425, 440, 480.

Combined Major Program in Biology and Earth and Ocean Sciences

First Year	
BIOL 190A, 190B.....	3.0
CHEM 101, 102.....	3.0
EOS 110, 120	3.0
MATH 100, 101.....	3.0
PHYS 102 or 112; or 120 and 130	3.0
Total:	15.0

Second Year	
BIOL 215, 225	3.0
BIOL 230 or BIOC 299	1.5
CHEM 231, 245	3.0
EOS 201, 205, 240	4.5
EOS 202 or 260 ¹	1.5
MATH 202	1.5
Total:	15.0

Third and Fourth Years	
BIOL 330	1.5
BIOL 355 or 370	1.5
EOS 300 or 460 ¹	1.5
EOS 225, 330, 335	4.5
STAT 255 or 260	1.5
BIOL upper-level electives ²	7.5
EOS upper-level electives ³	6.0
Science upper-level electives	1.5
Electives	4.5
Total:	30.0

1. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).
2. Recommended courses include EOS 311 or BIOL 311, BIOL 319, 321, 322, 335, 418, 427, 435, 438, 446.
3. Recommended courses include EOS 403, 425, 440, 480.

Combined Biology and Psychology Program Requirements

Both Major and Honours BSc degrees are offered in the Combined Biology and Psychology Pro-

gram. These are not joint degrees in Biology and Psychology, but single degree programs composed of a selected combination of courses from each of the departments. These programs are intended for students with interests and career goals in any area of neuroscience, including neuroethology, human biology, medicine, dentistry, or nursing. Students should consult with undergraduate advisers in both departments when planning their course schedules.

Combined Major in Biology and Psychology

Core Course Requirements	
BIOL 190A, 190B	3.0
PSYC 100A, 100B	3.0
BIOL 225	1.5
PSYC 201	1.5
PSYC 210	1.5
PSYC 215A	1.5
Total core ¹	12.0

Upper-level Biology and Psychology Courses	
BIOL 365	1.5
BIOL 367	1.5
Three of BIOL 309, 345, 404, 409B, 432, 448	4.5
PSYC 323	1.5
PSYC 345A	1.5
PSYC 315 or 415B	1.5
Upper-level BIOL or PSYC electives	3.0
Total BIOL and PSYC units	15.0
Minimum BIOL and PSYC units	27.0

Other Requirements	
3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 135, 146, 147, 215	3.0
3 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 261	3.0
MATH 100 or 102 or 151 ²	1.5
CHEM 101 and 102	3.0
CHEM 231 and either 232 or 235	3.0
BIOC 299	1.5
PHYS 102 or 112; or 120 and 130	3.0
Any CSC course	1.5
Total Other Requirements	19.5
Electives ³	13.5
Total units	60.0

Combined Honours in Biology and Psychology

Core Course Requirements	
BIOL 190A, 190B	3.0
PSYC 100A, 100B	3.0
BIOL 225	1.5
PSYC 201	1.5
PSYC 210	1.5
PSYC 215A	1.5
Total core ¹	12.0

Upper-level Biology and Psychology Courses	
BIOL 365	1.5
BIOL 367	1.5
Three of BIOL 309, 345, 404, 409B, 432, 448	4.5
PSYC 323	1.5
PSYC 345A	1.5
PSYC 315 or 415B	1.5

Upper-level BIOL or PSYC elective.....1.5	
Either Biology or Psychology thesis⁴	
BIOL 460, 499A, 499B ⁵.....4.0	
or	
PSYC 499 ⁶.....3.0	
Total BIOL and PSYC units.....16.5 or 17.5⁵	
Minimum BIOL and PSYC units.....28.5 or 29.5⁵	

Other Requirements

3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 135, 146, 147, 215.....3.0	
3 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 261 ⁶....3.0	
MATH 100 or 102 or 151 ².....1.5	
CHEM 101 and 102.....3.0	
CHEM 231 and either 232 or 235.....3.0	
BIOC 299.....1.5	
PHYS 102 or 112; or 120 and 130.....3.0	
Any CSC course.....1.5	
Total Other Requirements.....19.5	
Electives ³.....11.0	
Total units.....60.0 or 61.0⁵	

Other Courses of Potential Interest (Electives)⁷

- BIOL 215, 230, 307, 321, 322, 335, 360 (required for BIOL 309), 361, 400
- BIOC 300A (required for BIOL 360, 361, medical school), 300B (required for BIOL 361, medical school)
- MATH 101, 377, or other MATH courses
- PHIL 100, 201/203, 220, 342A, 460
- EPHE 141, 241B, 341
- PSYC 311B, 317A, 332, 391, 415A, 424, 491

1. Core GPA requirement: For core Psychology courses, the GPA requirements are the same as for regular Psychology programs. Core Biology courses require a minimum C+ to count towards this combined program.
2. Consult prerequisites for MATH and PHYS 200-level courses when choosing among these courses.
3. At least 21 units of upper-level courses are required to satisfy university requirements.
4. Admission and Graduation Standing requirements for the Honours program are governed by the regulations for the department in which the Honours thesis is taken.
5. Students registering for BIOL 499A/B must also take BIOL 460 (Honours Seminar).
6. Students planning to do an Honours thesis or a graduate degree in Psychology are advised to take PSYC 300A and 300B.
7. Majors students planning to undertake graduate studies in biopsychology are advised to acquire experience in a research laboratory through paid, volunteer, or Directed Studies positions.

BIOLOGY CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program at UVic is described in general on page 45 and specifically for the Faculty of Science on page 174.

Biology Co-op Program Requirements

Entry into the Biology Co-operative Education Program is open to students who are enrolled in an Honours or Major Program offered by the Biology department. To qualify for entry and con-

tinuation in the Co-operative Education Program, students must be enrolled on a full-time basis and must maintain a B average (5.0) in Biology courses and overall. A minimum of four work terms is required to graduate with Co-op designation. The first work term is undertaken in the Winter or Summer of the second academic year. After the first work term, academic terms and work terms normally alternate. Each work term will be recorded on the student's academic record and transcript (as COM, N/X or F/X). A student may transfer from the Biology Co-operative Education Program to a regular Biology program at any time during an academic term. Applications and further information may be obtained from the UVic website (Biology Co-operative Education Program: <www.coop.uvic.ca/biocoop/>) or by contacting the office directly at: 250-721-8637.

Department of Chemistry

Cornelia Bohne, BSc, PhD (Sao Paulo), Professor
Penelope W. Coddling, BSc, PhD (Michigan State), Professor

Thomas M. Fyles, BSc (Victoria), PhD (York), FCIC, Professor

David A. Harrington, BSc (Canterbury), PhD (Auckland), Professor

Frank C.J.M. van Veggel, BSc, PhD (Twente), Professor

Peter C. Wan, BSc, PhD (Toronto), FCIC, Professor

David J. Berg, BSc (Victoria), PhD (California, Berkeley), Associate Professor

Alexandre G. Brolo, BSc, MSc (Sao Paulo), PhD (Waterloo), Associate Professor

Robin G. Hicks, BSc (Dalhousie), PhD (Guelph), Associate Professor

J. Scott McIndoe, BSc, MSc, PhD (Waikato), Associate Professor

Matthew Moffitt, BSc, PhD (McGill), Associate Professor

Lisa Rosenberg, BSc (Memorial), PhD (British Columbia), Associate Professor

Natia Frank, BA (Annandale-on-Hudson), MSc (Wisconsin), PhD (California, San Diego), Assistant Professor

Fraser Hof, BSc (Alberta) PhD (Scripps), Assistant Professor

Dennis K. Hore, BSc (McMaster), PhD (Queens), Assistant Professor

Irina Paci, BSc (A.I. Cuza) BEd, PhD (Queens), Assistant Professor

David Steuerman, BA (Vassar), PhD (California, Los Angeles), Assistant Professor

Jeremy Wulff, BSc (Victoria), PhD (Calgary), Assistant Professor

Alexander G. Briggs, BSc (Mt. Alison), MSc (St. Andrews), PhD (Victoria), Senior Instructor

Professional Staff

David E. Berry, BSc (Liverpool), PhD (Bristol), Laboratory Supervisor

Ori Granot, BSc, MBA, PhD (Tel Aviv), Senior Scientific Assistant

Christine Greenwood, Senior Scientific Assistant
Mario Ivanov, MSc (Sofia), PhD (Bulgarian Academy of Sciences), Senior Scientific Assistant
Diane Luszniak, BSc (Victoria), PhD (Nottingham), Coordinator, Co-operative Education Program

Peter Marrs, BSc, PhD (British Columbia), Senior Laboratory Instructor

Rosemary Pulez, BSc (Victoria), Administrative Officer

Monica Reimer, BSc (Calgary), Senior Laboratory Instructor

Alan W. Taylor, BSc, MSc (Victoria), PhD (British Columbia), Senior Laboratory Instructor

Nichole Taylor, BSc (Mt. Alison), MSc (Queens), Senior Laboratory Instructor

Visiting, Adjunct and Cross-listed Appointments

Walter J. Balfour, BSc (Aberdeen), PhD (McMaster), DSc (Aberdeen), FCIC, Emeritus Professor

Thomas W. Dingle, BSc, PhD (Alberta), Emeritus Associate Professor

Christopher Gill, BSc (Acadia), PhD (British Columbia), Adjunct Associate Professor

Terence E. Gough, BSc, PhD (Leicester), FCIC, Emeritus Professor

Coreen Hamilton, BSc (McGill), PhD (Alberta), Adjunct Associate Professor

Martin B. Hocking, BSc (Alberta), PhD (Southampton), CChem, FRSCChem, FCIC, Emeritus Professor

Alexander D. Kirk, BSc, PhD (Edinburgh), FCIC, Emeritus and Adjunct Professor

Eric Krogh, BSc (Toronto), PhD (Victoria), Adjunct Associate Professor

Alexander McAuley, BSc, PhD, DSc (Glasgow), CChem, MRS Chem, FCIC, Emeritus and Adjunct Professor

Reginald H. Mitchell, BA, MA, PhD (Cambridge), FCIC, Emeritus Professor

Nelaine Mora-Diez, BSc (Havana), PhD (Dalhousie), Adjunct Assistant Professor

Robert N. O'Brien, BAsC, MASc (British Columbia), PhD (Manchester), Emeritus and Adjunct Professor

Gerald A. Poulton, BA, PhD (Saskatchewan), Associate Emeritus Professor

Stephen R. Stobart, BSc, PhD (Nottingham), Emeritus Professor

Paul R. West, BSc, PhD (McMaster), FCIC, Associate Emeritus Professor

Chemistry General Office

Phone: 250-721-7152

Fax: 250-721-7147

Email: chemoff@uvic.ca

Web: <www.chemistry.uvic.ca>

CHEMISTRY PROGRAMS

The Department of Chemistry offers a variety of programs leading to the BSc degree. These are intended to provide students with the opportunity of undertaking either specialized studies in Chemistry, or a broader program with Chemistry as a focal point supplemented by other disciplines. These programs provide preparation

for a wide range of careers requiring a background in Chemistry.

The Honours and Major Programs are designed for those students wishing to embark on careers as professional chemists. In the Honours degree, a student undertakes an in-depth study of Chemistry with other supporting physical sciences. Each student will participate in a short research project in the final year of study. The Honours Program normally requires 39 units of Chemistry courses within a total of 60 units for the degree. Six units of Mathematics, 3 units of Physics, 1.5 units of Biochemistry, and 1.5 units of another science are corequisites. On graduation as a chemist, the candidate may either enter employment in a variety of industries or proceed to graduate school and the higher qualifications of MSc and PhD.

The Major Program provides the student with somewhat more flexibility in the choice of courses. The program requires 27 units of Chemistry, together with 6 units of Mathematics, 3 units of Physics, 1.5 units of Biochemistry, and 1.5 units of another science as corequisites. The degree is sufficiently specialized to present an attractive background in Chemistry to a prospective employer and to provide the opportunity for students maintaining high averages to continue to graduate school. Both the Honours and Major programs are suitable for students intending to enter a career in teaching at the secondary level.

A student may complete a Minor in Chemistry by completing the first- and second-year requirements and the third-year Chemistry courses required for the General Program in Chemistry in conjunction with the requirements for an Honours or Major Program offered by another department (which need not be in the Faculty of Science).

The department also offers considerable scope for students wishing to include Chemistry as part of a BSc or BA General Program. Students with this training will frequently find career opportunities in industry, at both the technical and managerial levels, as well as in business, teaching and many other occupations. The influence of Chemistry in modern society is considered in CHEM 300A, a course intended for non-scientists who have successfully completed at least 15 units of university credit.

Co-operative Education Programs
Please, see page 184.

PROGRAM REQUIREMENTS

Notes on Course Requirements

- Courses may be taken in different sequences and in different years than those indicated provided the corequisite and prerequisite requirements are satisfied. However, students must be extremely careful in planning programs that differ from the normal sequence. Students who do not take CHEM 213 in the second year might find it difficult to complete their program in the normal time period.

- Safety glasses or goggles must be worn by all students in laboratories. Chemistry department laboratory notebooks may be purchased in the University Bookstore.

Credit for Previously Offered Courses

Students with credit in the following courses which are no longer offered may make the specified substitutions in any undergraduate program:

- CHEM 100 for CHEM 091 and 101
- CHEM 124 for CHEM 101 and 102
- CHEM 140 with at least B standing for CHEM 101 and 102
- CHEM 140 with less than B standing for CHEM 101
- CHEM 145 for CHEM 245
- CHEM 224 for CHEM 222 and 245
- CHEM 230 for CHEM 231 and 232
- CHEM 233 for CHEM 231 and 235
- CHEM 316 and 317 for CHEM 312 and 318
- CHEM 325 and 422 for CHEM 424 and 425
- CHEM 345 for CHEM 347
- CHEM 423 for CHEM 323
- CHEM 446 for CHEM 347

Fourth-year Course Selection

Lecture courses offered every year:

CHEM 421, 423, 432, 458.

Laboratory courses offered every year:

CHEM 461, 462, 463, 464.

Thesis/research courses offered every year:

CHEM 498, 499A, 499B.

Offered in alternate years:

The following courses are offered, when possible, once every two years. To aid students in planning, they are listed below in their usual sequence. For up-to-date information on fourth-year course offerings, please see the Chemistry department's website at <www.chemistry.uvic.ca>.

One year: CHEM 300A, 411, 434, 459, 478.

Alternate year: CHEM 303, 400A, 437, 476.

Offered in response to student demand:

The following courses will be offered in response to student demand. Students should express their interest in these courses to the department as early in their program as possible to allow scheduling.

CHEM 473, 477.

Honours Programs

The general requirements for admission to an Honours Program after the second year are shown below.

Students require the permission of the department to enter an Honours Program and should consult the department, by interview or letter, no later than one month before the last day for submission of applications for admission or readmission to UVic.

To graduate with an Honours degree in Chemistry, students must achieve a graduating GPA of at least 5.5.

Chemistry Program Requirements Honours Program

First Year

CHEM 091 and 101 ¹ , or 101 ²	1.5
CHEM 102	1.5
MATH 100, 101.....	3.0
PHYS 112 ³	3.0
Electives ⁴	6.0

Second Year

BIOC 299.....	1.5
CHEM 212, 213, 222, 231, 235, 245	9.0
Mathematics or Statistics courses chosen from MATH 200, 201, 205, 211, 212, and STAT 255, 260 (a maximum of 1.5 units of STAT courses may be used to satisfy this requirement).....	3.0
One 200-level science course, with the exception of MATH 242, STAT 252, 254 ⁵	1.5

Third Year

CHEM 318, 324, 335, 347, 352, 353, 361 ⁶ , 362 ⁶ , 363 ⁶ , 364 ⁶	15.0
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Fourth Year

Four other 400-level CHEM courses, including at least one from each of the following groups:

CHEM 421, 423, 432, 434, 437, 473
CHEM 411, 458, 459, 476, 477

CHEM 461, 462, 463, 464.....

CHEM 499A, 499B

Electives.....

1. For students with Chemistry 11 and Mathematics 12 or equivalents.

2. For students with Chemistry 12 and Mathematics 12 or equivalents.

3. Physics requirement may also be satisfied by PHYS 120 and 130 or PHYS 102 and 120.

4. CHEM 231 may also be taken in the second term of first year, and 1.5 units of these electives postponed.

5. Some 300 level courses may satisfy this requirement; students should check with the department in advance that the course they are proposing will be accepted.

6. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

Major Program

First Year

CHEM 091 and 101 ¹ , or 101 ²	1.5
CHEM 102	1.5
MATH 100, 101.....	3.0
PHYS 112 ³	3.0
Electives ⁴	6.0

Second Year

BIOC 299.....	1.5
CHEM 212, 213, 222, 231, 235, 245	9.0
Mathematics or Statistics courses chosen from MATH 200, 201, 205, 211, 212, and STAT 255, 260 (a maximum of 1.5 units of STAT courses may be used to satisfy this requirement).....	3.0
One 200-level science course, with the exception of MATH 242, STAT 252, 254 ⁵	1.5

Third and Fourth Years

CHEM 318, 324, 335, 347, 352, 353, 361 ⁶ , 362 ⁶ , 363 ⁶ , 364 ⁶	15.0
Electives.....	15.0

1. For students with Chemistry 11 and Mathematics 12 or equivalents.

2. For students with Chemistry 12 and Mathematics 12 or equivalents.

3. Physics requirement may also be satisfied by PHYS 120 and 130 or PHYS 102 and 120.

4. CHEM 231 may also be taken in the second term of first year, and 1.5 units of these electives postponed.

5. Some 300 level courses may satisfy this requirement; students should check with the department in advance that the course they are proposing will be accepted.

6. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

General and Minor Programs

First Year

CHEM 091 and 101 ¹ , or 101 ²	1.5
CHEM 102	1.5
MATH 100, 101	3.0
PHYS 112 ³	3.0
Electives ⁴	6.0

Second Year

CHEM 212, 213, 222, 231, 235, 245	9.0
Electives.....	6.0

Third and Fourth Years

6 units of additional Chemistry lecture courses numbered above 300, plus two of 361⁶, 362⁶, 363⁶, 364⁶.....9.0
Electives⁵.....21.0

1. For students with Chemistry 11 and Mathematics 12 or equivalents.

2. For students with Chemistry 12 and Mathematics 12 or equivalents.

3. Physics requirement may also be satisfied by PHYS 120 and 130 or PHYS 102 and 120.

4. CHEM 231 may also be taken in the second term of first year, and 1.5 units of these electives postponed.

5. Must include 9.0 units of 300 level or above in a second area of concentration for the General program.

6. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

Combined Chemistry and Biochemistry or Microbiology Program Requirements

Students may obtain a Combined Major in Chemistry and Biochemistry or Chemistry and Microbiology.

Combined Major in Chemistry and Biochemistry

First Year

BIOL 190A	1.5
CHEM 091 and 101 ¹ , or 101 ²	1.5
CHEM 102	1.5
ENGL 115 (or 135)	1.5
MATH 100, 101	3.0
PHYS 112 ³	3.0
Electives ⁴	3.0

Second Year

BIOL 225 ^{5,6}	1.5
CHEM 212, 213, 222, 231, 235, 245 ⁶	9.0
One of MATH 122, 200, 201, 205, 211, 212.....	1.5
MICR 200A and 200B.....	3.0

Third Year

BCMB 301A, 301B	3.0
BIOC 300A, 300B	3.0

CHEM 324, 352, 353, 362 ⁷ , 363 ⁷	7.5
MICR 302, 303	3.0

Fourth Year

BCMB 406A, 406B	3.0
Two of BIOC 401, 403, 404, 407, 408	3.0
CHEM 335	1.5
Three of CHEM 318, 347, 361 ⁷ , 364 ⁷	4.5
Two of MICR 402, 405, 408	3.0

Combined Major in Chemistry and Microbiology

First Year

BIOL 190A	1.5
CHEM 091 and 101 ¹ , or 101 ²	1.5
CHEM 102	1.5
ENGL 115 or 135.....	1.5
MATH 100, 101.....	3.0
PHYS 112 ³	3.0
Electives ⁴	3.0

Second Year

BIOL 225 ^{5,6}	1.5
CHEM 212, 213, 222, 231, 235, 245 ⁶	9.0
One of MATH 122, 200, 201, 205, 211, 212.....	1.5
MICR 200A and 200B.....	3.0

Third Year

BCMB 301A, 301B	3.0
BIOC 300A, 300B	3.0
CHEM 324, 352, 353, 362 ⁷ , 363 ⁷	7.5
MICR 302, 303	3.0

Fourth Year

BCMB 406A, 406B	3.0
Two of BIOC 401, 403, 404, 407, 408	3.0
CHEM 335	1.5
Three of CHEM 318, 347, 361 ⁷ , 364 ⁷	4.5
Two of MICR 402, 405, 408	3.0

1. For students with Chemistry 11 and Mathematics 12 or equivalents.

2. For students with Chemistry 12 and Mathematics 12 or equivalents.

3. Physics requirement may also be satisfied by PHYS 120 and 130, or PHYS 102 and 120.

4. CHEM 231 may be taken in the second term of the first year, and 1.5 units of these electives postponed.

5. MICR 200A replaces BIOL 190B as a prerequisite or co-requisite to BIOL 225.

6. BIOL 225 may be taken in the third year as a co-requisite to BIOC 300A and 300B. Alternatively, CHEM 245 may be deferred to the Fall term of the third year.

7. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

Combined Chemistry and Mathematics Program Requirements

For a BSc degree in the Combined Chemistry and Mathematics Program students may take a Major or Honours Program. These programs are not joint degrees in Chemistry and Mathematics, but a single degree program composed of a selected combination of courses from each of the departments.

Students opting for either of these combined programs must contact the Departments of

Chemistry and Mathematics and Statistics. Each student will be assigned an adviser from each of these departments. Students considering proceeding to graduate work in either Chemistry or Mathematics must consult with their adviser prior to making their final choice of courses.

Honours Program in Chemistry and Mathematics

First and Second Years

CHEM 091 and 101 ¹ , or 101 ²	1.5
CHEM 102, 212, 213, 222, 231, 235, 245	10.5
CSC 110, 115 (or 242)	3.0
MATH 100, 101, 122, 200, 201, 211, 212, 236	12.0
PHYS 112 ³	3.0
STAT 260	1.5

Third and Fourth Years

BIOC 299.....	1.5
CHEM 347, 352, 353, 364 ⁴	6.0
CHEM 318 and 361 ⁴ , or 324 and 362 ⁴ , or 335 and 363 ⁴	3.0
CHEM 499A, 499B	3.0
MATH 300 or 336 ⁵ , 301, 312	4.5
Three of MATH 322, 342, 346, 352, 365, 377, 379, 401, 412, 435, 442, 446, 451, 452, at least two of which must be numbered 400 or higher	4.5
MATH or STAT course numbered 300 or higher.....	1.5
Electives.....	4.5

1. For students with Chemistry 11 and Mathematics 12 or equivalents.

2. For students with Chemistry 12 and Mathematics 12 or equivalents.

3. Physics requirement may also be satisfied by PHYS 120 and 130 or PHYS 102 and 120.

4. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

5. Students wishing to take MATH 401, 435 or 446 must take 336.

Major Program in Chemistry and Mathematics

First and Second Years

CHEM 091 and 101 ¹ , or 101 ²	1.5
CHEM 102, 212, 213, 222, 231, 235, 245	10.5
CSC 110, 115 (or 242)	3.0
MATH 100, 101, 122, 200, 201, 211, 212, 236	12.0
PHYS 112 ³	3.0
STAT 260	1.5

Third and Fourth Years

BIOC 299.....	1.5
CHEM 347, 352, 353, 364 ⁴	6.0
CHEM 318 and 361 ⁴ , or 324 and 362 ⁴ , or 335 and 363 ⁴	3.0
MATH 300 or 336 ⁵ , 301, 312	4.5
Two of MATH 322, 342, 346, 352, 377, 379.....	3.0
CHEM, MATH or STAT courses numbered 400 or higher, excluding CHEM 400A and MATH 415	3.0
Electives.....	7.5

1. For students with Chemistry 11 and Mathematics 12 or equivalents.

2. For students with Chemistry 12 and Mathematics 12 or equivalents.

3. Physics requirement may also be satisfied by PHYS 120 and 130 or PHYS 102 and 120.
4. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units
5. Students wishing to take MATH 401, 435 or 446 must take 336.

Combined Chemistry and Earth and Ocean Sciences Program Requirements

Both Majors and Honours BSc degrees are offered in the Combined Chemistry and Earth and Ocean Sciences Program. This program exposes students to the fields of geochemistry and chemical oceanography while providing a firm basis in the principles of chemistry. Students considering this program must contact the Chemistry department and the School of Earth and Ocean Sciences where an adviser from each discipline will be assigned. Students considering graduate studies in either Chemistry or Earth and Ocean Sciences must consult with their adviser from the appropriate discipline before making their final choices of courses.

Honours Program in Chemistry and Earth and Ocean Sciences

First Year

CHEM 091, 101, 102 ¹ ; or 101, 102 ²	3.0
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 112 ³	3.0
Electives	3.0

Second Year

CHEM 212, 213, 222, 231, 245.....	7.5
EOS 201, 205, 240	4.5
EOS 202 or 260 ⁴	1.5
MATH 200 or 205.....	1.5

Third and Fourth Years

BIOC 299.....	1.5
CHEM 235, 318, 324, 347, 352, 353	9.0
Two of CHEM 361 ⁵ , 362 ⁵ , 363 ⁵ , 364 ⁵	3.0
One of CHEM 335, 361 ⁵ , 362 ⁵ , 363 ⁵ , 364 ⁵ , or any CHEM course numbered 411 or higher	1.5
EOS 300 or 460 ⁴	1.5
EOS 316, 335, 403, 425, 440	7.5
EOS 340 or 410.....	1.5
CHEM 499A, 499B; or EOS 499A, 499B.....	3.0
MATH 201.....	1.5
Total 3rd & 4th	30.0

1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. Physics requirement may also be satisfied by PHYS 102 and 120; or PHYS 120 and 130.
4. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).
5. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units

Major Program in Chemistry and Earth and Ocean Sciences

First Year

CHEM 091, 101, 102 ¹ ; or 101, 102 ²	3.0
EOS 110, 120	3.0
MATH 100, 101.....	3.0
PHYS 112 ³	3.0
Electives.....	3.0

Second Year

CHEM 212, 213, 222, 231, 245	7.5
EOS 201, 205, 240	4.5
EOS 202 or 260 ⁴	1.5
MATH 200 or 205.....	1.5

Third and Fourth Years

BIOC 299.....	1.5
CHEM 235, 318, 324, 352, 353	7.5
Three of CHEM 347, 361 ⁵ , 362 ⁵ , 363 ⁵ , 364 ⁵	4.5
EOS 300 or 460 ⁴	1.5
EOS 316, 335, 403, 425, 440	7.5
EOS 340 or 410.....	1.5
MATH 201.....	1.5
Electives.....	4.5
Total 3rd & 4th	30.0

1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. Physics requirement may also be satisfied by PHYS 102 and 120; or PHYS 120 and 130.
4. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).
5. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units

CHEMISTRY CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program at UVic is described in general on page 45 and specifically for the Faculty of Science on page 174.

Chemistry Co-op Program Requirements

To enter and remain in the Chemistry Co-operative Education Program, students must normally maintain a GPA of 4.5 in Chemistry courses and overall. Students are also required to complete satisfactorily a minimum of four work terms. A student may at any time during an academic term transfer from the Chemistry Co-operative Education Program to a regular Chemistry program.

Students in the Co-op program may commence work terms after one full year of course work, and normally will alternate terms of academic study and work experience, with the following conditions:

1. Students' work terms should include work with at least three different employers.
2. Two consecutive work terms (totalling 8 months) may be included with permission.
3. Two of the work terms must be subsequent to the student passing all required 100- and 200-level chemistry courses and 3.0 units of third-year chemistry courses.

Students who do not take CHEM 213 in the second year might find it difficult to complete their program in the normal time period.

Each work term is recorded on the student's academic record and transcript (as COM, N/X or F/X). Some employers keep work term reports confidential, but at least two work term reports must be evaluated as satisfactory by the department in order to complete the program.

School of Earth and Ocean Sciences

Kathryn M. Gillis, BSc (Queen's), PhD (Dal), Professor and Director of the School

Dante Canil, BSc (Windsor), PhD (Alta), Professor
N. Ross Chapman, BSc (McM), PhD (UBC), Professor

Stanley E. Dosso, BSc, MSc (UVic), PhD (UBC), Professor

Christopher J.R. Garrett, BA, PhD (Cantab), FRSc, FRSC, Lansdowne Professor of Ocean Physics

Stephen Johnston, BSc (McGill), MSc, PhD (Alta), Professor

S. Kim Juniper, BSc (Alta), PhD (Canterbury), Professor (BC Leadership Chair)

Eric Kunze, BSc (UBC), PhD (Wash), FRSC, Professor (Canada Research Chair)

Thomas F. Pedersen, BSc (UBC), PhD (Edin), FRSC, FAGU, Professor and Director, Pacific Institute for Climate Solutions

George D. Spence, BSc (Calg), MSc, PhD (UBC), Professor

Verena J. Tunnicliffe, BSc (McM), M Phil, PhD (Yale), FRSC, Professor (Canada Research Chair) and Project Director, VENUS

Andrew J. Weaver, BSc (UVic), PhD (UBC), FRSC, Professor (Canada Research Chair)

Michael J. Whitticar, BSc (UBC), PhD (Christian Albrechts), Professor

Laurence Coogan, BSc (Liverpool), PhD (Leicester), Associate Professor

Jay Cullen, BSc (McGill), PhD (Rutgers), Associate Professor

John F. Dower, BSc (Memorial), PhD (UVic), Associate Professor

Adam Monahan, BSc (Calg), MSc, PhD (UBC), Associate Professor

Kevin Telmer, BSc (W Ont), PhD (Ott), Associate Professor

Eileen Van der Flier-Keller, BA (Dublin), PhD (W Ont), Associate Professor

Roberta C. Hamme, BA (Pomona), MSc, PhD (Wash), Assistant Professor

Jody M. Klymak, BSc (UVic), MSc, PhD (Wash), Assistant Professor

Vera Pospelova, PhD (McGill), Assistant Professor

Diana E. Varela, BSc (UNS, Arg), MA (Boston), PhD (UBC), Assistant Professor

Professional Staff

Ian Beveridge, MSc (UVic), Senior Scientific Assistant — Marine Operations

Peter M. Cross, BSc (UVic), Coordinator, Co-operative Education Program

John Dorocicz, BEng, MAsC (UVic), Senior Systems Administrator

Duncan Johannessen, BSc (UBC), MSc (Dalhousie), Senior Laboratory Instructor

David Nelles, BSc (UBC), Senior Laboratory Instructor

Terry Russell, BA (UVic), Administrative Officer

Joseph Spence, BSc, PhD (UVic), Senior Scientific Assistant

Sarah Thornton, BSc (UBC), MSc (Alaska), Senior Laboratory Instructor

Visiting, Adjunct and Limited Term Appointments

Vivek Arora, BEng (Delhi), MSc (Ireland), PhD (Melbourne), Assistant Professor, Limited Term

Christopher R. Barnes, BSc (Birm), PhD (Ott), DSc (Wat) CM, FRSC, PGeo, Emeritus Professor and Project Director, NEPTUNE Canada

J. Vaughn Barrie, BSc, MSc, PhD (Wales), Professor, Limited Term

Mairi Best, BSc (Laurentian), PhD (Chicago), Assistant Professor, Limited Term

Melvin E. Best, BSc, MSc (UBC), PhD (MIT), Adjunct Professor

George J. Boer, BSc (UBC), MA (Tor), PhD (MIT), Professor, Limited Term

Brian Bornhold, BSc (Wat), MA (Duke), PhD (MIT), Professor, Limited Term

John F. Cassidy, BSc (UVic), MSc, PhD (UBC), Associate Professor, Limited Term

James R. Christian, BSc, MSc (UBC), PhD (Hawaii), Assistant Professor, Limited Term

William R. Crawford, BSc, MSc (Wat), PhD (UBC), Professor, Limited Term

Kenneth L. Denman, BSc (Calg), PhD (UBC), FRSC, Professor, Limited Term

Richard Dewey, BSc (UVic), PhD (UBC), Associate Professor, Limited Term

Herbert Dragert, BSc (Tor), MSc, PhD (UBC), Professor, Limited Term

Gregory M. Flato, BSc, MSc (Alta), PhD (Dartmouth), Professor, Limited Term

Michael G.G. Foreman, BSc (Queen's) MSc (UVic), PhD (UBC), Professor, Limited Term

John C. Fyfe, BSc (Regina), PhD (McGill), Professor, Limited Term

Nathan Gillett, MPhys, DPhil (Oxford), Assistant Professor, Limited Term

Fariborz Goodarzi, BSc (Teheran), MSc, PhD (Newcastle), Professor, Limited Term

Richard J. Hebda, BSc (McM), PhD (UBC), Professor, Limited Term

Philip Hill, BA (Oxford), PhD (Dal), Associate Professor, Limited Term

Paul Hoffman, BSc (McM), MSc, PhD (Johns Hopkins), Adjunct Professor

Roy D. Hyndman, BASc, MAsC (UBC), PhD (ANU), FRSC, Professor, Limited Term

Debby Ianson, BSc (Queen's), MSc, PhD (UBC), Assistant Professor, Limited Term

Thomas James, BSc (Queen's), PhD (Princeton), Associate Professor, Limited Term

Honn Kao, BSc (Taiwan), MSc, PhD (UIUC), Associate Professor, Limited Term

David Lefebure, BSc (Queen's), MSc, PhD (Carl), Professor, Limited Term

Raymond Lett, BSc (London), MSc (Leicester), PhD (UBC), Professor, Limited Term

Victor Levson, BSc (Calg), MSc, PhD (Alta), Associate Professor, Limited Term

Robie W. Macdonald, BSc, PhD (Dal), FRSC, Professor, Limited Term

David L. Mackas, BS, MS (Wash), PhD (Dal), Professor, Limited Term

Stephane Mazzotti, BSc (Paris XI), MSc, PhD (École Norm. Sup., Paris), Associate Professor, Limited Term

Norman McFarlane, BSc (Alta), MSc (McGill), PhD (Mich), Professor, Limited Term

Fiona McLaughlin, BSc, MSc, PhD (UVic), Assistant Professor, Limited Term

William J. Merryfield, BSc (Stanford), PhD (Colorado), Associate Professor, Limited Term

Suzanne Paradis, BSCh (UQM), MSc (Mtrl), PhD (Carl), Professor, Limited Term

Jonathan M. Preston, BSc (McM), PhD (UBC), Professor, Limited Term

Leanne J. Pyle, BSc (Sask), PhD (UVic), Assistant Professor, Limited Term

Michael Riedel, BSc (TU Clausthal), MSc (U of Kiel), PhD (UVic), Associate Professor, Limited Term

Garry C. Rogers, BSc (UBC), MSc (Hawaii), PhD (UBC), Professor, Limited Term

Kristin M. Rohr, BA (Brown), PhD (MIT/WHOI), Associate Professor, Limited Term

Peter Ross, BSc (Trent), MSc (Dalhousie), PhD (Utrecht), Associate Professor, Limited Term

Oleg Saenko, BSc (OSEU, Ukraine), PhD (MHI NASU, Ukraine), Assistant Professor, Limited Term

John F. Scinocca, BSc, MSc, PhD (Tor), Professor, Limited Term

George J. Simandl, BSc (Concordia), MSc (Carl), PhD (Ecole Poly. Mtrl), Associate Professor, Limited Term

Ron Smyth, BSc (Dublin), PhD (Mem), Adjunct Professor

Richard Thomson, BSc (UBC), PhD (UBC), FRSC, Professor, Limited Term

Svein Vagle, BSc (Bath), PhD (UVic), Associate Professor, Limited Term

Knut von Salzen, BSc (Munich), MSc, PhD (Hamburg), Associate Professor, Limited Term

Kelin Wang, BSc (Peking), PhD (W Ont), Professor, Limited Term

John T. Weaver, BSc (Brist), MSc, PhD (Sask), Emeritus Professor

Michael J. Wilmut, BSc (Concordia), MA, PhD (Queen's), Adjunct Professor

Hidekatsu Yamazaki, BE (Tokai), PhD (Texas A & M), Adjunct Professor

Kirsten Zickfeld, BSc, MSc (FU Berlin), PhD (U Potsdam), Assistant Professor, Limited Term

School of Earth and Ocean Sciences

General Office: 250-721-6120

Fax: 250-721-6200

Email: seosuvic@uvic.ca

Web: <www.seos.uvic.ca>

EARTH AND OCEAN SCIENCES PROGRAMS

The School offers the following BSc degree programs:

- General, Minor, Major and Honours in Earth Sciences
- Combined Major and Honours in Physics and Earth Sciences (Geophysics)
- Combined Major and Honours in Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)
- Combined Major and Honours in Chemistry and Earth and Ocean Sciences
- Combined Major and Honours in Physical Geography and Earth and Ocean Sciences
- Combined Major and Honours in Biology and Earth and Ocean Sciences
- Minor in Ocean Sciences

The Earth Sciences programs require a core of earth sciences courses, corequisite courses in the other sciences, and a selection of electives suited to the interests of individual students.

Combined Honours and Major programs offered in collaboration with the Department of Physics and Astronomy provide specialization in either Geophysics or Ocean-Atmosphere Dynamics and allow students to apply basic principles of Physics and Mathematics to fundamental global processes affecting the earth and oceans.

Combined Honours and Major programs offered in collaboration with the Department of Chemistry expose students to the fields of geochemistry while providing a firm basis in the principles of chemistry.

Combined Honours and Major programs offered in collaboration with the Department of Geography are aimed at students whose interests span the fields of Physical Geography and Earth Sciences.

Combined Honours and Major programs offered in collaboration with the Department of Biology offer students the opportunity to combine interests in both disciplines.

Students may take a Minor Program in Earth and Ocean Sciences along with a Major or Honours Program in another discipline. Such interdisciplinary programs may be advantageous to students considering a postgraduate degree in Environmental Studies, Geophysics, Geography, Oceanography, Atmospheric Sciences or Education. Students intending to pursue research or continue their studies for MSc or PhD degrees should consider the Honours Programs.

The distinctive character of the BSc General Program is the breadth of course options possible. Students in this program combine a concentration in Earth Sciences with one in another science area (BSc) or an arts area (BA).

The Minor in Ocean Sciences is intended to provide students with a broad overview of oceanography, focusing on its essentially interdisciplinary nature.

Professional Registration

Completion of the Earth Science Honours or Major program, with an appropriate selection of courses (including a geomorphology elective), is intended to fulfill the academic requirements for designation as a Professional Geoscientist (P.Geo.) under the discipline of Geology from the

Association of Professional Engineers and Geoscientists of BC (APEGBC). The Combined Physical Geography and Earth and Ocean Science program, with an appropriate selection of courses, is intended to fulfill the APEGBC academic requirements for PGeo. designation under the discipline of Environmental Geoscientist. APEGBC has requirements of students beyond course work, and reserves the right to set standards and change requirements at any time. Therefore, the School of Earth and Ocean Sciences, Department of Geography, and University of Victoria assume no responsibility for students' acceptance into APEGBC during or after completion of their program. For more information, see the SEOS website <www.seos.uvic.ca/apeg.htm> and the APEGBC website <www.apeg.bc.ca>.

Co-operative Education Programs
Please, see page 189.

PROGRAM REQUIREMENTS

Course Availability and Information

Students should consult the School concerning courses offered in any particular year. Some fourth-year courses are offered in alternate years.

The names of course instructors, together with the required and recommended texts for each course, are available from the School.

Field Courses

Earth Sciences 300 and 400 are scheduled outside of the normal term time at off-campus locations on dates specified by the School. Students are required to meet part of the expenses involved and will be advised of such expenses during the Fall term. Students should contact the School for further information.

Honours Programs

Students will normally apply for admission to the SEOS Honours Program at the end of the third year of their undergraduate Earth Sciences Program, although they may apply as early as the end of their second year and as late as the beginning of their last year. The general requirement for admission to the Honours Program is a cumulative GPA of 5.5 in the Earth Sciences Program at the time of application. While enrolled in the Honours Program, students must maintain a sessional GPA of 5.5. Honours students must also maintain a course load of at least 6.0 units per term in the final year, except by approval of the department.

Honours Graduation Standing

An Honours degree requires:

- a graduating GPA of at least 5.5
- a GPA of at least 5.5 in 300- and 400-level EOS courses, including a minimum grade of B+ in EOS 499

If a student fails to meet the standards for the Honours degree, while meeting the Major degree requirements, the student may graduate with the appropriate Major degree.

Minor in Ocean Sciences

A student may declare a Minor in Ocean Sciences when enrolled in an Honours, Major, or General Program offered by SEOS or another department or school (which need not be in the

Faculty of Science), along with the following courses:

- EOS/GEOG 120 and one of EOS/GEOG 110, EOS 340, 365
- EOS 311, 312, 313, 314
- Two of EOS 315, 403, 408, 410, 425, 431, 433, 435; BIOL 319, 322, 335, 446; PHYS 426; EOS 490 or BIOL 490D may be taken provided an appropriate oceans-related topic is chosen (with permission of department).

Four of these courses (311, 312, 313, and 314) will be taken during an intensive summer term, involving a substantial seagoing component. Students normally consult the School's Ocean Science Adviser before admission to the Ocean Science Minor Program at the end of the first or second year of their undergraduate program.

Earth Sciences Program Requirements Honours in Earth Sciences

First Year

BIOL 150A or 190A ¹	1.5
CHEM 101, 102	3.0
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 112 ²	3.0
Electives	1.5
Total:	15.0

Second Year

CHEM 245	1.5
EOS 201, 202, 205, 210, 240, 260	9.0
MATH 202	1.5
STAT 260	1.5
Electives	1.5
Total:	15.0

Third Year

EOS 225, 300, 311 ³ , 316, 330, 335, 340	10.5
One of EOS 408, 425, 431	1.5
Electives	3.0
Total:	15.0

Fourth Year

EOS 400, 410, 460	4.5
EOS 499A, 499B	3.0
EOS upper-level electives	4.5
Electives	3.0
Total:	15.0

1. Students who have completed Biology 11 and 12 should take BIOL 190A.

2. Physics requirement may also be satisfied by PHYS 102 and 120; or PHYS 120 and 130.

3. Students should consider taking BIOL 215 as one of their electives.

Major in Earth Sciences

First Year

BIOL 150A or 190A ¹	1.5
CHEM 101, 102	3.0
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 112 ²	3.0
Electives	1.5
Total:	15.0

Second Year

CHEM 245	1.5
EOS 201, 202, 205, 210, 240, 260	9.0
MATH 202	1.5
STAT 260	1.5
Electives	1.5
Total:	15.0

Third Year

EOS 225, 300, 311 ³ , 316, 330, 335, 340	10.5
One of EOS 408, 425, 431	1.5
Electives	3.0
Total:	15.0

Fourth Year

EOS 400, 410, 460	4.5
Electives	10.5
Total:	15.0

1. Students who have completed Biology 11 and 12 should take BIOL 190A.

2. Physics requirement may also be satisfied by PHYS 102 and 120; or PHYS 120 and 130.

3. Students should consider taking BIOL 215 as one of their electives.

General and Minor in Earth Sciences

The School of Earth and Ocean Sciences General and Minor Program is designed to offer a flexible program with maximum choice for students with a general interest in Earth Sciences. Students interested in a professional career or graduate studies in the field are strongly advised to take the Honours or Major Program.

First Year

CHEM 101, 102	3.0
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 102 or 112; or 120 and 130	3.0
Electives	3.0
Total:	15.0

Second Year

CHEM 245	1.5
EOS 201, 202, 205, 240	6.0
Electives ¹	7.5
Total:	15.0

Third and Fourth Years

EOS Electives ²	9.0
Electives ^{1,3}	21.0
Total:	30.0

1. In choosing electives, it is recommended that students consider the prerequisite requirements for EOS electives in Years 3 and 4.

2. Chosen from any EOS course numbered 300 or above, except for 312, 313, 314, 350, 360, 370.

3. Must include 9.0 units of 300 level or above in a second area of concentration for the General Program.

Combined Physics and Earth Sciences (Geophysics) Program Requirements

Admission to the Combined Physics and Earth Sciences (Geophysics) Program requires the permission of both the Department of Physics and Astronomy and the School of Earth and Ocean Sciences.

Combined Honours in Physics and Earth Sciences (Geophysics)

First Year	
CHEM 101, 102	3.0
CSC 110	1.5
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives	1.5
Total	15.0

Second Year	
EOS 201, 202, 205	4.5
EOS 210 or PHYS 210	1.5
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Total	15.0

Third Year	
EOS 300	1.5
EOS 427 or PHYS 427 or electives ^{1,2}	1.5
MATH 300, 301, 342, 346	6.0
PHYS 321A, 321B, 325, 326	6.0
Electives ²	1.5
Total	16.5

Fourth Year	
EOS 410, 480	3.0
EOS 427 or PHYS 427 or electives ^{1,2}	1.5
EOS 499A, 499B; or PHYS 429A, 429B	3.0
PHYS 460	0.0
PHYS 317, 323, 411	4.5
EOS or PHYS electives ^{2,3}	6.0
Total	18.0

1. One of EOS 427 or PHYS 427 is required in the program, and may be taken in either third or fourth year (normally offered in alternate years).

2. In choosing these electives, it is recommended that students consider the prerequisite requirements for EOS or PHYS electives in Year 4.

3. Chosen from EOS and PHYS courses numbered 300 and above. PHYS electives must be chosen in consultation with the Department of Physics and Astronomy.

Combined Major in Physics and Earth Sciences (Geophysics)

First Year	
CHEM 101, 102	3.0
CSC 110	1.5
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives	1.5
Total	15.0

Second Year	
EOS 201, 202, 205	4.5
EOS 210 or PHYS 210	1.5
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Total	15.0

Third Year	
EOS 300	1.5
EOS 427 or PHYS 427 or electives ^{1,2}	1.5

MATH 300, 301, 342, 346	6.0
PHYS 321A, 325, 326	4.5
Electives ²	1.5
Total	15.0

Fourth Year	
EOS 410, 480	3.0
EOS 427 or PHYS 427 or electives ^{1,2}	1.5
PHYS 317, 323, 411	4.5
EOS or PHYS electives ^{2,3}	4.5
Electives	1.5
Total	15.0

1. One of EOS 427 or PHYS 427 is required in the program, and may be taken in either third or fourth year (normally offered in alternate years).

2. In choosing these electives, it is recommended that students consider the prerequisite requirements for EOS or PHYS electives in Year 4.

3. Chosen from EOS and PHYS courses numbered 300 and above.

Combined Physics and Ocean Sciences (Ocean-Atmosphere Dynamics) Program Requirements

Admission to the Combined Physics and Ocean Sciences (Ocean-Atmosphere Dynamics) Program requires the permission of both the Department of Physics and Astronomy and the School of Earth and Ocean Sciences.

Combined Honours in Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)

First Year	
CHEM 101, 102	3.0
CSC 110	1.5
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives	1.5
Total	15.0

Second Year	
EOS 340	1.5
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Electives ¹	4.5
Total	15.0

Third Year	
MATH 300, 301, 342, 346	6.0
PHYS 317, 321A, 321B, 323, 325, 326	9.0
PHYS electives ²	1.5
Total	16.5

Fourth Year	
EOS 431, 433	3.0
EOS 499A, 499B; or PHYS 429A, 429B	3.0
PHYS 460	0.0
PHYS 410, 411, 422, 426	6.0
EOS electives	3.0
PHYS electives ²	3.0
Total	18.0

1. PHYS 242 is strongly recommended in second year. EOS 210 or PHYS 210 and CSC 115, 225, 230 are also recommended.

2. Chosen from PHYS courses numbered 300 and above, in consultation with the Department of Physics and Astronomy.

Combined Major in Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)

First Year	
CHEM 101, 102	3.0
CSC 110	1.5
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives	1.5
Total	15.0

Second Year	
EOS 340	1.5
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Electives ¹	4.5
Total	15.0

Third Year	
MATH 300, 301, 342, 346	6.0
PHYS 317, 321A, 325, 326	6.0
Electives	3.0
Total	15.0

Fourth Year	
EOS 431, 433	3.0
PHYS 323, 411, 426	4.5
Electives	7.5
Total	15.0

1. PHYS 242 is strongly recommended in second year. EOS 210 or PHYS 210 and CSC 115, 225, 230 are also recommended.

Combined Chemistry and Earth and Ocean Sciences Program Requirements Combined Honours in Chemistry and Earth and Ocean Sciences

Admission into the Combined Honours Chemistry and Earth and Ocean Sciences Program requires the permission of both the Department of Chemistry and the School of Earth and Ocean Sciences.

First Year	
CHEM 091, 101, 102 ¹ ; or 101, 102 ²	3.0
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 112 ³	3.0
Electives	3.0
Total	15.0

Second Year	
CHEM 212, 213, 222, 231, 245	7.5
EOS 201, 205, 240	4.5
EOS 202 or 260 ⁴	1.5
MATH 200 or 205	1.5
Total	15.0

Third and Fourth Years	
BIOC 299	1.5
CHEM 235, 318, 324, 347, 352, 353	9.0
Two of CHEM 361 ⁵ , 362 ⁵ , 363 ⁵ , 364 ⁵	3.0
One of CHEM 335, 361 ⁵ , 362 ⁵ , 363 ⁵ , 364 ⁵ , or any CHEM course numbered 411 or higher	1.5
EOS 300 or 460 ⁴	1.5
EOS 316, 335, 403, 425, 440	7.5
EOS 340 or 410	1.5

EOS 499A, 499B or CHEM 499A, 499B.....	3.0
MATH 201.....	1.5
Total:	30.0

1. For students with Chemistry 11 and Mathematics 12 or equivalents.

2. For students with Chemistry 12 and Mathematics 12 or equivalents.

3. Physics requirement may also be satisfied by PHYS 102 and 120; or PHYS 120 and 130.

4. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).

5. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

Combined Major in Chemistry and Earth and Ocean Sciences

First Year	
CHEM 091, 101, 102 ¹ ; or 101, 102 ²	3.0
EOS 110, 120.....	3.0
MATH 100, 101.....	3.0
PHYS 112 ³	3.0
Electives.....	3.0
Total:	15.0

Second Year	
CHEM 212, 213, 222, 231, 245.....	7.5
EOS 201, 205, 240.....	4.5
EOS 202 or 260 ⁴	1.5
MATH 200 or 205.....	1.5
Total:	15.0

Third and Fourth Years	
BIOC 299.....	1.5
CHEM 235, 318, 324, 352, 353.....	7.5
Three of CHEM 347, 361 ⁵ , 362 ⁵ , 363 ⁵ , 364 ⁵	4.5
EOS 300 or 460 ⁴	1.5
EOS 316, 335, 403, 425, 440.....	7.5
EOS 340 or 410.....	1.5
MATH 201.....	1.5
Electives.....	4.5
Total:	30.0

1. For students with Chemistry 11 and Mathematics 12 or equivalents.

2. For students with Chemistry 12 and Mathematics 12 or equivalents.

3. Physics requirement may also be satisfied by PHYS 102 and 120; or PHYS 120 and 130.

4. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).

5. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

Combined Geography and Earth and Ocean Sciences Program Requirements

Students intending to pursue this combined program must consult with the Undergraduate Adviser in either the School of Earth and Ocean Sciences or the Department of Geography after completing first-year requirements.

Combined Honours in Physical Geography and Earth and Ocean Sciences

Admission to the Combined Honours Geography and Earth and Ocean Sciences Program requires the permission of both the Department of Geography and the School of Earth and Ocean Sciences.

First Year	
CHEM 101, 102.....	3.0
EOS 110 or GEOG 110; EOS 120 or GEOG 120 ..	3.0
GEOG 101A.....	1.5
MATH 100, 101.....	3.0
PHYS 112 ¹	3.0
Electives.....	1.5
Total:	15.0

Second Year	
CHEM 245.....	1.5
EOS 201, 202, 205, 210, 240.....	7.5
GEOG 222, 276.....	3.0
MATH 202.....	1.5
STAT 260 or GEOG 226 ²	1.5
Total:	15.0

Third and Fourth Years	
EOS 225, 316, 340.....	4.5
EOS 300 or GEOG 477.....	1.5
EOS 440 or GEOG 370.....	1.5
EOS 450 or GEOG 476.....	1.5
EOS 499A, 499B or GEOG 499A, 499B.....	3.0
Two of EOS 335, 410, 425, 480.....	3.0
GEOG 228, 376.....	3.0
Two of GEOG 319, 322, 325, 328.....	3.0
Upper-level EOS or GEOG electives.....	6.0
Electives.....	6.0
Total:	30.0

1. Physics requirement may also be satisfied by PHYS 102 and 120; or PHYS 120 and 130.

2. GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography or SEOS Undergraduate Adviser before registering in either GEOG 226 or STAT 260 (see page 32).

Combined Major in Physical Geography and Earth and Ocean Sciences

First Year	
CHEM 101, 102.....	3.0
EOS 110 or GEOG 110; EOS 120 or GEOG 120 ..	3.0
GEOG 101A.....	1.5
MATH 100, 101.....	3.0
PHYS 112 ¹	3.0
Electives.....	1.5
Total:	15.0

Second Year	
CHEM 245.....	1.5
EOS 201, 202, 205, 210, 240.....	7.5
GEOG 222, 276.....	3.0
MATH 202.....	1.5
STAT 260 or GEOG 226 ²	1.5
Total:	15.0

Third and Fourth Years	
EOS 225, 316, 340.....	4.5

EOS 300 or GEOG 477.....	1.5
EOS 440 or GEOG 370.....	1.5
EOS 450 or GEOG 476.....	1.5
Two of EOS 335, 410, 425, 480.....	3.0
GEOG 228, 376.....	3.0
Two of GEOG 319, 322, 325, 328.....	3.0
Upper-level EOS or GEOG electives.....	6.0
Electives.....	6.0
Total:	30.0

1. Physics requirement may also be satisfied by PHYS 102 and 120; or PHYS 120 and 130.

2. GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography or SEOS Undergraduate Adviser before registering in either GEOG 226 or STAT 260 (see page 32).

Combined Biology and Earth and Ocean Sciences Program Requirements

Notes on Course Requirements

1. Biology 11 and 12 are normally required for entry into the Combined Biology and Earth and Ocean Sciences program. Students without Biology 11 and 12 are required to take BIOL 150A and 150B.

2. Students should note that EOS 240 is a prerequisite for several upper-level EOS courses (EOS 316, 335, 403, 408, 416, 420, 425, 440, 450, 460).

Combined Honours in Biology and Earth and Ocean Sciences

Admission to the Combined Honours Biology and Earth and Ocean Sciences Program requires the permission of both the Department of Biology and the School of Earth and Ocean Sciences. To receive an Honours degree, a student must obtain: (1) a minimum graduating GPA of 5.5 overall; (2) a minimum GPA of 6.0 in SEOS or Biology courses at the 300 and 400 level; and a minimum grade of A- in BIOL 499A and 499B or EOS 499A and 499B.

First Year	
BIOL 190A, 190B.....	3.0
CHEM 101, 102.....	3.0
EOS 110, 120.....	3.0
MATH 100, 101.....	3.0
PHYS 102 or 112; or 120 and 130.....	3.0
Total:	15.0

Second Year	
BIOC 299 or BIOL 230.....	1.5
BIOL 215, 225.....	3.0
CHEM 231, 245.....	3.0
EOS 201, 205, 240.....	4.5
EOS 202 or 260 ¹	1.5
MATH 202.....	1.5
Total:	15.0

Third and Fourth Years	
BIOL 330.....	1.5
BIOL 355 or 370.....	1.5
BIOL 460 ²	1.0
EOS 300 or 460 ¹	1.5
EOS 225, 330, 335.....	4.5
EOS 499A, 499B or BIOL 499A, 499B ²	3.0
STAT 255 or 260.....	1.5
BIOL upper-level electives ³	7.5

EOS upper-level electives ⁴	6.0
Science upper-level electives	1.5
Electives.....	1.5
Total:.....	30.0 or 31.0²

1. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).

2. Students registering for BIOL 499A/B must also take BIOL 460 (Honours Seminar).

3. Recommended courses include EOS 311 or BIOL 311, BIOL 319, 321, 322, 335, 418, 427, 435, 438, 446.

4. Recommended courses include EOS 403, 425, 440, 480.

Combined Major in Biology and Earth and Ocean Sciences

First Year	
BIOL 190A, 190B.....	3.0
CHEM 101, 102.....	3.0
EOS 110, 120.....	3.0
MATH 100, 101.....	3.0
PHYS 102 or 112; or 120 and 130	3.0
Total:.....	15.0

Second Year	
BIOL 299 or BIOL 230.....	1.5
BIOL 215, 225.....	3.0
CHEM 231, 245.....	3.0
EOS 201, 205, 240.....	4.5
EOS 202 or 260 ¹	1.5
MATH 202.....	1.5
Total:.....	15.0

Third and Fourth Years	
BIOL 330.....	1.5
BIOL 355 or 370.....	1.5
EOS 300 or 460 ¹	1.5
EOS 225, 330, 335.....	4.5
STAT 255 or 260.....	1.5
BIOL upper-level electives ²	7.5
EOS upper-level electives ³	6.0
Science upper-level electives	1.5
Electives.....	4.5
Total:.....	30.0

1. EOS 202 and 300 are recommended for students interested in geologic field studies (202 is prerequisite for 300); EOS 260 and 460 are recommended for students interested in biosphere evolution (260 is prerequisite for 460).

2. Recommended courses include EOS 311 or BIOL 311, BIOL 319, 321, 322, 335, 418, 427, 435, 438, 446.

3. Recommended courses include EOS 403, 425, 440, 480.

SCHOOL OF EARTH AND OCEAN SCIENCES CO-OPERATIVE EDUCATION PROGRAM

Students intending to register in Earth Sciences Major or Honours Programs may wish to combine their academic programs with relevant and productive work experience in industry, business and government. The general concept and requirements of the Co-operative Education Program are given on page 45 and specifics for the Faculty of Science are described on page 174.

Co-op Program Requirements

Entry into the SEOS Co-operative Program is restricted to students enrolled in a Major or Honours Program in SEOS and attending UVic on a full-time basis. To qualify for entry and continuation in the Co-operative Program, a student must normally maintain a GPA of 5.0 in SEOS courses and a GPA of 4.5 overall. In addition to academic grades, acceptance will be based on individual interest, abilities and aptitudes, and a formal interview. A student is required to complete satisfactorily at least four work terms, each of which will be recorded on the student's academic record and transcript (as COM, N/X or F/X). The first work term (following the first two academic terms) is optional, but students are required to complete four of the following five scheduled work terms.

A student may at any time during an academic term transfer from the SEOS Co-operative Program to a regular SEOS program. Work Term Credit by Challenge, as outlined on page 45, is permitted in the SEOS Co-op Program.

Students transferring from other post-secondary institutions may apply to enter the Co-op Program when applying for admission to UVic. Co-op students interrupting their academic or work term program may apply for reinstatement in the Co-op Program upon return to UVic, but readmission is not guaranteed.

Applications and further information concerning the Co-operative Program in SEOS may be obtained from the School.

Department of Mathematics and Statistics

Gary MacGillivray, BSc, MSc (UVic), PhD (SFU), Professor

Florin N. Diacu, MMath (Bucharest), PhD (Heidelberg), Professor

Jing Huang, MSc (Acad Sinica), PhD (SFU), Professor

Reinhard Illner, Dip (Heidelberg), PhD (Bonn), Professor

Mary Lesperance, BA (Windsor), BSc (UVic), MMath, PhD (Waterloo), Professor

Christina Mynhardt, BA, MA, PhD (Rand Afrikaans Univ.), Professor

John Phillips, BSc (UVic), MA, PhD (Ore), Professor

Ian F. Putnam, BSc (UVic), PhD (Calif, Berk), FRSC, Professor and CRC and Acting Chair

William J. Reed, BSc, (Imp Coll, Lond), MSc (McGill), PhD (UBC), Professor

Ahmed Ramzi Sourour, BSc, (Cairo), MSc, PhD (Ill), Professor

Jane (Juan-Juan) Ye, BSc (Xiamen), MBA, PhD (Dal), Professor

Min Tsao, BSc (Lanzhou), MSc, PhD (SFU), Professor

Julie Zhou, BSc (Nanjing), MSc, PhD (Alberta), Professor

Christopher J. Bose, BSc (UBC), MSc, PhD (Tor), Associate Professor and Chair of the Department

Roderick Edwards, BA, BSc (UVic), MSc (Heriot-Watt), PhD (UVic), Associate Professor

Marcelo Laca, BSc (Uruguay), MA (Calif, Santa Barb), PhD (Calif, Berk), Associate Professor

Anthony Quas, BA (Cambridge), Cert. (Cambridge), PhD (Warwick), Associate Professor and CRC

Peter Dukes, BSc (UVic), MSc (Toronto), PhD (Cal Tech), Associate Professor

Martial Agueh, BSc (Benin), MSc (Benin), PhD (Georgia Inst Tech), Assistant Professor

Ryan Budney, BSc (Alberta), PhD (Cornell), Assistant Professor

Laura Cowen, BSc (SFU), MMath (Waterloo), PhD (SFU), Assistant Professor

Heath Emerson, BSc, MSc (UVic), PhD (Penn State), Assistant Professor

Slim Ibrahim, BSc, MSc (Tunis), PhD (Tunis El-Manar), Assistant Professor

Boualem Khoudier, BSc (Algiers), MA, PhD (Montreal), Assistant Professor

Junling Ma, BSc, MSc (Xi'an), PhD (Princeton), Assistant Professor

Farouk Nathoo, BSc (UBC), MMath (Waterloo), PhD (SFU), Assistant Professor

Mak Trifkovic, BA (Harvard), MSc (Cambridge), PhD (Harvard), Assistant Professor

Svetlana Oshkai, BA (Voronezh), MS (Lehigh), Senior Instructor

Jill Simmons, BSc, MSc, PhD (UVic), Senior Instructor

Robert Steacy, BSc (UBC), MSc, PhD (UVic), Senior Instructor

Margaret Wyeth, MA, Dip. Ed. (Edinburgh), MA, PhD (UVic), Senior Instructor

Charles Burton, BA, MBA (Queen's), Administrative Officer

Kelly Choo, BSc, MSc (UVic), Coordinator, Systems and Administration (PIMS)

Jonathan Foweraker, BSc (York), MSc (Bath), PhD (Cambridge), Co-operative Education Coordinator (Computer Science and Mathematics)

Emeritus, Adjunct and Cross-listed Appointments

Ernest J. Cockayne, MA (Oxon), MSc (McGill), PhD (UBC), Professor Emeritus

Roger R. Davidson, BSc (Queen's), MA (Tor), PhD (Florida St), Professor Emeritus

David J. Leeming, BSc (UBC-Vic Coll), MA (Ore), PhD (Alta), Professor Emeritus

C. Robert Miers, BA (Knox Coll), MA, PhD (Calif, LA), Professor Emeritus

Hari M. Srivastava, BSc, MSc (Allahabad), PhD (Jodhpur), FRAS (Lond), FNASc (India), FIMA (UK), FVPI, FAAAS (Washington, DC), CMath, FMRAS (Belgium), FACC (Spain), FFA (India), DSc (honoris causa; Chung Yuan Christian University, Taiwan), FFMANU (Macedonia), Professor Emeritus

Pauline van den Driessche, BSc, MSc (Imp Coll Lond), DIC, PhD (Wales), Professor Emeritus

Denton E. Hewgill, BSc, PhD (UBC), Associate Professor Emeritus

Bruce R. Johnson, BS, MA, (Ore St), PhD (Ore), Associate Professor Emeritus

Gary G. Miller, BSc (Kansas City), MSc, PhD (Missouri), Associate Professor Emeritus

William E. Pfaffenberger, BA, MA, PhD (Ore), Professor Emeritus

Bruce Allison, BSc (Alberta), PhD (Yale), Adjunct Professor

Denis Hanson, BSc, MSc, PhD (Alberta), Adjunct Professor

Fausto Milinazzo, BSc, PhD (UBC), Adjunct Professor

Robert Moody, BA (Sask), MA, PhD (Toronto), Adjunct Professor

Richard C. Brewster, BSc, MSc (Uvic), PhD (SFU), Adjunct Associate Professor

Julian West, BSc (Cal Tech), PhD (MIT), Adjunct Assistant Professor

Mathematics and Statistics

General Office: 250-721-7437

Fax: 250-721-8962

Email: office@math.uvic.ca

Web: <www.math.uvic.ca/>

MATHEMATICS AND STATISTICS PROGRAMS

The department offers the following BSc degree programs:

- General, Major or Honours in Mathematics
 - General, Major or Honours in Statistics
 - Major or Honours in Mathematics and Statistics
 - Major or Honours in Chemistry and Mathematics
 - Major or Honours in Computer Science and Mathematics
 - Major or Honours in Computer Science and Statistics
 - Honours in Physics and Mathematics
 - Major in Financial Mathematics and Economics
- Honours Programs allow specialization in one or more disciplines in the last two or three years and are intended for students of above-average ability. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

The Major in Mathematics is a program broadly based in the mathematical sciences requiring courses in each of pure mathematics, applied mathematics, discrete mathematics, and statistics, and having enough elective choice to permit emphasis in any of these four areas.

The General Program emphasizes breadth of education and requires concentration in two different fields. For more details on a BSc degree in a General Program combining Mathematics or Statistics with another field in Science (or with Geography or Psychology), see page 173. For more details on a BA degree in a General Program combining Mathematics or Statistics with a field in Humanities or Social Sciences, see page 142 or page 202, respectively.

The department also offers the following BA degree programs through the Faculty of Humanities and the Faculty of Social Sciences:

- General, Major or Honours in Mathematics
- General, Major or Honours in Statistics

Students interested in a Bachelor of Arts degree should register in the Faculty of Humanities or the Faculty of Social Sciences, complete the requirements common to all bachelor's degrees in that faculty, and satisfy the requirements for the General, Major or Honours Program in Mathematics or the General, Major or Honours Program in Statistics described below.

Students may also complete a Minor in Mathematics or Statistics.

Co-operative Education Programs

Please, see page 193.

PROGRAM REQUIREMENTS

Notes on Course Requirements

1. Any student who has been awarded a UBC-SFU-UVIC-UNBC Calculus Examination Certificate can receive credit for MATH 100 with the letter grade corresponding to the examination score. Written application to the Department of Mathematics and Statistics is required.
2. Credit by course challenge is not offered. Any students who demonstrate to the department that they have mastered the material of a course may be granted advanced placement. For this purpose a score of 4 or 5 on the AP Calculus test will constitute mastery of MATH 100.
3. The prerequisite for MATH 100 is a minimum grade of B (>72%) in one of Principles of Mathematics 12, Pre-calculus 12, or equivalent; or credit in MATH 120; or a PASS on the MATH 100 pretest. The pretest will be given in the first week of classes each term.
4. All courses within the Department of Mathematics and Statistics which require a calculator will permit only the use of a specific department-selected calculator. Detailed information about calculator restrictions will be given at the beginning of these courses.
5. Students from outside British Columbia, transfer students from community colleges and students who have obtained credit for Grade XIII Mathematics must consult the department before enrolling in any Mathematics course.
6. All students taking a Major or Honours in Mathematics are strongly advised to take at least one University course in Physics.

Honours Programs

Students who wish to be admitted to an Honours Program in the department should apply in writing to the Chair of the department on completion of their second year. Normally a student will be admitted to the third year of an Honours Program in the department only if the student has achieved a GPA of at least 6.5 in the second-year courses taken in the department. A student whose third-year work is not of Honours caliber may be required to withdraw from the program.

Mathematics Program Requirements

Honours in Mathematics

MATH 100, 101, 122.....	4.5
CSC 110, 115 (or 242)	3.0
MATH 200, 201, 211, 212, 222, 236.....	9.0
STAT 260, 261	3.0
MATH 300 or 336 ¹ , 301, 312	4.5

Two of MATH 342, 362, 3663.0
Completion of two of the following emphasis streams:.....6.0

- Algebra: Two of MATH 311, 412, 413
- Analysis: Two of MATH 401, 435, 436
- Differential Equations: Two of MATH 346, 442, 446
- Discrete: Two of MATH 322, 422, 423
- Probability: Two of MATH 352, 451, 452
- Geometry/Topology: Two of MATH 365, 465, 467

7.5 additional units of MATH and/or STAT courses numbered 300 or higher².....7.5

1. Students intending to take MATH 401, 435 or 446 must take 336

2. Students must make course selections such that their program contains at least 9.0 units of MATH and/or STAT courses numbered 400 or higher.

Major in Mathematics

MATH 100, 101, 122.....	4.5
CSC 110, 115 (or 242)	3.0
MATH 200, 201, 211, 212, 222, 236	9.0
STAT 260, 261	3.0
MATH 300 or 336 ¹ , 301, 312	4.5
Two of MATH 342, 362, 366	3.0
Completion of one of the following emphasis streams:.....	3.0
- Algebra: Two of MATH 311, 412, 413	
- Analysis: Two of MATH 401, 435, 436	
- Differential Equations: Two of MATH 346, 442, 446	
- Discrete: Two of MATH 322, 422, 423	
- Probability: Two of MATH 352, 451, 452	
- Geometry/Topology: Two of MATH 365, 465, 467	

4.5 additional units of MATH and/or STAT courses numbered 300 or higher4.5

1. Students intending to take MATH 401, 435 or 446 must take 336

General in Mathematics

MATH 100, 101, 122.....	4.5
MATH 205 (or 200), 201, 211	4.5
9.0 additional units of MATH and/or STAT courses numbered 300 or higher	9.0

Minor in Mathematics

A student may declare a Minor in Mathematics by completing the requirements for an Honours Program or a Major Program offered by another department or school (which need not be in the Faculty of Science) in conjunction with either the Mathematics course requirements for the General in Mathematics or the following set of courses:

MATH 100, 101.....	3.0
One of MATH 200, 202, 205	1.5
Two of MATH 201, 211, 212, 222, STAT 260.....	3.0
4.5 additional units of MATH courses numbered 300 or higher	4.5

The selected courses must include at least 9.0 units numbered 200 or higher that do not form part of the requirements of the Honours or Major or General or Option Program. Any course disqualified from the Minor Program by overlap with the requirements of the Honours or Major or General or Option Program may be replaced by another MATH or STAT course at the same level or higher. See Faculty of Science regulations for Minor programs, page 174. Only one Minor may be declared on any degree program.

Statistics Program Requirements**Honours in Statistics**

MATH 100, 101, 122	4.5
CSC 110, 115 (or 242)	3.0
MATH 200, 201, 211, 212	6.0
STAT 260, 261	3.0
Two of MATH 322, 342, 377	3.0
MATH 300, 301, 311, 352	6.0
STAT 350, 353, 450	4.5
Two of MATH 451, 452, STAT 354, 453, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics)	3.0
6.0 additional units made up of MATH courses numbered 300 or higher, and/or STAT courses numbered 400 or higher ¹	6.0
<i>1. Students must make course selections such that their program contains at least 6.0 units of MATH and/or STAT courses numbered 400 or higher.</i>	

Major in Statistics

MATH 100, 101	3.0
CSC 110	1.5
MATH 200, 201, 211	4.5
STAT 260, 261	3.0
MATH 300, 301, 377	4.5
STAT 350, 353, 354, 453	6.0
4.5 additional units made up of MATH courses numbered 300 or higher, and/or STAT courses numbered 400 or higher. Recommended courses include STAT 450, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics), MATH 352, 452	4.5

General in Statistics

MATH 100, 101	3.0
MATH 205 (or 200), 211	3.0
STAT 260 (or 255), 261 (or 256)	3.0
STAT 353, 354, 453	4.5
4.5 additional units of MATH and/or STAT courses numbered 300 or higher. Recommended courses include STAT 350, 355, 357, 359, 450, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics), MATH 352, 377, 452	4.5

Minor in Statistics

A student may declare a Minor in Statistics by completing the requirements for an Honours Program or a Major Program offered by another department or school (which need not be in the Faculty of Science) in conjunction with the following set of courses:

MATH 100 (or 102), 101 (or 151)	3.0
MATH 211	1.5
STAT 260 (or 255), 261 (or 256)	3.0
STAT 353, 354	3.0
One of STAT 350, 355, 357, 359, 450, 453, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics)	1.5

The selected courses must include at least 9.0 units numbered 200 or higher that do not form part of the requirements of the Honours or Major or General or Option Program. Any course disqualified from the Minor Program by overlap with the requirements of the Honours or Major or General or Option Program may be replaced by another MATH or STAT course at the same level or higher. Only one Minor may be declared on any degree program.

Combined Mathematics and Statistics Program Requirements**Honours: Mathematics and Statistics**

MATH 100, 101, 122	4.5
CSC 110, 115 (or 242)	3.0
MATH 200, 201, 211, 212, 236	7.5
STAT 260, 261	3.0
Two of MATH 322, 342, 377	3.0
MATH 300 or 336 ¹ , 301, 311, 312, 352	7.5
STAT 350, 353, 450	4.5
Three of MATH 451, 452, STAT 354, 453, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics)	4.5
1.5 additional units of MATH and/or STAT courses numbered 300 or higher	1.5
<i>1. Students intending to take MATH 401, 435 or 446 must take 336</i>	

Major: Mathematics and Statistics

MATH 100, 101, 122	4.5
CSC 110, 115 (or 242)	3.0
MATH 200, 201, 211, 212, 236	7.5
STAT 260, 261	3.0
MATH 322 or 342	1.5
MATH 300 or 336 ¹ , 301, 312, 377	6.0
STAT 350, 353, 354, 453	6.0
One of MATH 352, STAT 450, 454, 455, 456, 457, 458, 459	1.5
<i>1. Students intending to take MATH 401, 435 or 446 must take 336</i>	

Combined Chemistry and Mathematics Program Requirements

For a BSc degree in Combined Chemistry and Mathematics, students may take a Major or Honours program. These programs are not joint degrees in Chemistry and Mathematics, but a single degree program composed of a selected combination of courses from each of the departments. Students opting for either of these combined programs must contact the Chemistry and Mathematics and Statistics departments. Each student will be assigned an adviser from each of these departments. Students considering proceeding to graduate work in either Chemistry or Mathematics must consult with their advisers prior to making their final choice of courses.

Honours: Chemistry and Mathematics**First and Second Years**

CHEM 091 and 101 ¹ , or 101 ²	1.5
CHEM 102, 212, 213, 222, 231, 235, 245	10.5
CSC 110, 115 (or 242)	3.0
MATH 100, 101, 122, 200, 201, 211, 212, 236	12.0
PHYS 112 ³	3.0
STAT 260	1.5

Third and Fourth Years

BIOC 299	1.5
CHEM 347, 352, 353, 364 ⁴	6.0
CHEM 318 and 361 ⁴ , or 324 and 362 ⁴ , or 335 and 363 ⁴	3.0
CHEM 499A, 499B	3.0
MATH 300 or 336 ⁵ , 301, 312	4.5
Three of MATH 322, 342, 346, 352, 365, 377, 379, 401, 412, 435, 442, 446, 451, 452, at least two of which must be numbered 400 or higher	4.5

MATH or STAT course numbered 300 or higher	1.5
Electives	4.5
<i>1. For students with Chemistry 11 and Mathematics 12 or equivalents.</i>	
<i>2. For students with Chemistry 12 and Mathematics 12 or equivalents.</i>	
<i>3. Physics requirement may also be satisfied by PHYS 120 and 130, or PHYS 102 and 120.</i>	
<i>4. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.</i>	
<i>5. Students intending to take MATH 401, 435 or 446 must take 336.</i>	

Major: Chemistry and Mathematics**First and Second Years**

CHEM 091 and 101 ¹ , or 101 ²	1.5
CHEM 102, 212, 213, 222, 231, 235, 245	10.5
CSC 110, 115 (or 242)	3.0
MATH 100, 101, 122, 200, 201, 211, 212, 236	12.0
PHYS 112 ³	3.0
STAT 260	1.5

Third and Fourth Years

BIOC 299	1.5
CHEM 347, 352, 353, 364 ⁴	6.0
CHEM 318 and 361 ⁴ , or 324 and 362 ⁴ , or 335 and 363 ⁴	3.0
MATH 300 or 336 ⁵ , 301, 312	4.5
Two of MATH 322, 342, 346, 352, 377, 379	3.0
CHEM, MATH or STAT courses numbered 400 or higher, excluding CHEM 400A and MATH 415	3.0
Electives	7.5
<i>1. For students with Chemistry 11 and Mathematics 12 or equivalents.</i>	
<i>2. For students with Chemistry 12 and Mathematics 12 or equivalents.</i>	
<i>3. Physics requirement may also be satisfied by PHYS 120 and 130 or PHYS 102 and 120.</i>	
<i>4. This 0.75 unit laboratory course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units</i>	
<i>5. Students wishing to take MATH 401, 435 or 446 must take 336.</i>	

Computer Science and Mathematics, and Computer Science and Statistics Program Requirements

For a BSc degree in Combined Computer Science and Mathematics or Computer Science and Statistics, students may take a Major or Honours program. These programs are not joint degrees in Computer Science and Mathematics or Computer Science and Statistics, but a single degree program composed of selected courses from each of the departments. Students opting for any of these combined programs must contact the Computer Science and Mathematics and Statistics departments, and will be assigned an adviser from each of these departments. Students considering future graduate work in Computer Science, Mathematics or Statistics must consult with their advisers prior to making their final choice of courses.

Students who wish to be admitted to one of the Combined Honours programs should apply in writing to the Honours Advisers of the departments on completion of their second year. Nor-

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mally a student will be admitted to the Combined Honours program only if the student meets the following conditions:

1. completion of CSC 106 (formerly 112, 212), 110, 115, 225, 230, and 265
2. completion of at least 10.5 units of the Mathematics and Statistics courses required for the degree
3. a grade of at least B+ in all 200-level CSC courses
4. a GPA of at least 6.5 in all 200-level Mathematics and Statistics courses.

Students may also enter one of the Combined Honours programs upon completion of their third year provided they have:

1. completed all of the 100-level and 200-level courses required for the relevant Combined Honours degree with a GPA of at least 6.0 in these courses.
2. completed at least 4.5 units of 300-level courses in Computer Science (including CSC 320 and 349A) and 4.5 units in Mathematics and Statistics (including MATH 300 and 312 for the Mathematics option, or STAT 350 and 353 for the Statistics option), and have obtained a GPA of at least 6.0 in all 300-level Computer Science, Mathematics and Statistics courses taken.

Honours students are expected to maintain a GPA of at least 5.0 in their third year to remain in the program.

Honours: Computer Science and Mathematics

First and Second Years

CSC 106, 110, 115	4.5
CSC 225, 230	3.0
ENGL 115 or 135	1.5
ENGR 240 ¹	1.5
MATH 100, 101, 122	4.5
MATH 200 (or 205), 201, 211, 212, 222, 236	9.0
SENG 265	1.5
STAT 260, 261	3.0
Electives	1.5

Third and Fourth Years

CSC 320, 322, 326, 349A, 499	7.5
Two of CSC 425, 445, 449, 484	3.0
MATH 300 or 336 ³ , 301, 311, 312	6.0
One course numbered 300 or higher from the Departments of Computer Science or Mathematics and Statistics ²	1.5
One course numbered 300 or higher from the Department of Mathematics and Statistics	1.5
Courses numbered 400 or higher from the Departments of Computer Science or Mathematics and Statistics ²	4.5
Electives	6.0
<i>1. ENGL 225 can replace ENGR 240 but requires 3 units of prerequisite first-year English.</i>	
<i>2. These courses may also include CENG 420 and a maximum of two SENG courses with at least one at the 400 level.</i>	
<i>3. Students intending to take MATH 401, 435 or 446 must take 336.</i>	

Major: Computer Science and Mathematics

First and Second Years

CSC 106, 110, 115	4.5
CSC 225, 230	3.0

ENGL 115 or 135	1.5
ENGR 240 ¹	1.5
MATH 100, 101, 122	4.5
MATH 200 (or 205), 201, 211, 212, 222, 236	9.0
SENG 265	1.5
STAT 260, 261	3.0
Electives	1.5

Third and Fourth Years

CSC 320, 326, 349A	4.5
One course numbered 300 or higher from the Department of Computer Science	1.5
MATH 300 or 336 ² , 301, 312	4.5
MATH 311 or 322	1.5
Courses numbered 300 or higher from the Departments of Computer Science or Mathematics and Statistics, of which at least 6.0 units are numbered 400 or higher, with at least 3.0 units chosen from each of the two departments. ³	9.0
Electives	9.0
<i>1. ENGL 225 can replace ENGR 240 but requires 3 units of prerequisite first-year English.</i>	
<i>2. Students intending to take MATH 401, 435 or 446 must take 336.</i>	
<i>3. These courses may also include CENG 420 and a maximum of two SENG courses with at least one at the 400 level.</i>	

Honours: Computer Science and Statistics

First and Second Years

CSC 106, 110, 115	4.5
CSC 225, 230	3.0
ENGL 115 or 135	1.5
ENGR 240 ¹	1.5
MATH 100, 101, 122	4.5
MATH 200 (or 205), 201, 211, 222	6.0
SENG 265	1.5
STAT 260, 261	3.0
Electives	4.5

Third and Fourth Years

CSC 320, 322, 326, 349A, 499	7.5
Two of CSC 425, 445, 446, 449, 484	3.0
STAT 350, 353, 450	4.5
Three of MATH 452, STAT 354, 355, 357, 453, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics)	4.5
Courses numbered 300 or higher from the Departments of Computer Science or Mathematics and Statistics. In selecting these courses, students are urged to choose at least 1.5 units from each of the two departments. ²	4.5
Electives	6.0
<i>1. ENGL 225 can replace ENGR 240 but requires 3 units of prerequisite first-year English.</i>	
<i>2. These courses may also include CENG 420 and a maximum of two SENG courses with at least one at the 400 level.</i>	

Major: Computer Science and Statistics

First and Second Years

CSC 106, 110, 115	4.5
CSC 225, 230	3.0
ENGL 115 or 135	1.5
ENGR 240 ¹	1.5
MATH 100, 101, 122	4.5

MATH 200 (or 205), 201, 211, 222	6.0
SENG 265	1.5
STAT 260, 261	3.0
Electives	4.5

Third and Fourth Years

CSC 320, 326, 349A	4.5
One course numbered 300 or higher from the Department of Computer Science	1.5
STAT 350, 353	3.0
Three of STAT 354, 355, 357, 450, 453, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics)	4.5
Courses numbered 400 or higher from the Department of Computer Science ²	3.0
Courses numbered 300 or higher from the Departments of Computer Science or Mathematics and Statistics. In selecting these courses, students are urged to choose at least 1.5 units from each of the two departments. ²	4.5
Electives	9.0
<i>1. ENGL 225 can replace ENGR 240 but requires 3 units of prerequisite first-year English.</i>	
<i>2. These courses may also include CENG 420 and a maximum of two SENG courses with at least one at the 400 level.</i>	

Physics and Mathematics Program Requirements

Honours: Physics and Mathematics

Admission to the third and fourth years of the Honours Program in Physics and Mathematics requires the permission of both the Department of Physics and Astronomy and the Department of Mathematics and Statistics.

First and Second Years

CHEM electives ¹	3.0
CSC 110	1.5
MATH 100, 101, 122	4.5
MATH 200, 201, 211, 212 ² , 236	7.5
PHYS 120 and 130, or 112	3.0
PHYS 214, 215, 216	4.5
Electives ³	6.0
Total:	30.0

Third and Fourth Years

MATH 300 or 336 ⁶ , 301, 311, 312 ² , 342, 346	9.0
MATH 442	1.5
MATH electives ⁴	7.5
PHYS 313 or 314	1.5
PHYS 317, 321A, 321B, 323, 325, 326	9.0
PHYS 410, 421, 422, 423	6.0
PHYS 460	0.0
PHYS elective ⁵	1.5
Total:	36.0
<i>1. Electives chosen from first-year Chemistry courses.</i>	
<i>2. Some students, such as those with advanced placement credit for MATH 100, may take MATH 211 and 212 in first year, and MATH 311 and 312 in second year.</i>	
<i>3. PHYS 242 or CSC 242 is strongly recommended in second year. PHYS 210, CSC 115, 225, and 230 are also recommended.</i>	
<i>4. Electives chosen from MATH courses numbered 300 or higher. These electives must be chosen in consultation with the Department of Mathematics</i>	

and Statistics. These electives must include one of the following: one of MATH 412, 413 (Algebra); two of MATH 401, 435, 436 (Analysis); two of MATH 322, 422, 423 (Discrete); two of MATH 365, 465, 467 (Geometry/Topology); or two of MATH 352, 451, 452 (Probability).

5. Elective chosen from Physics and Astronomy courses numbered 300 or higher. This elective must be chosen in consultation with the Department of Physics and Astronomy.

6. Students wishing to take MATH 401, 435 or 446 must take 336.

Combined Major: Financial Mathematics and Economics

This is a single degree program leading to a BSc in Financial Mathematics and Economics. Only a Major program is offered. Students are required to take a selected combination of courses from the Department of Mathematics and Statistics and the Department of Economics.

First Year	
CSC 110, 115	3.0
ECON 103, 104	3.0
MATH 100, 101, 122	4.5
First year English	1.5
Electives	3.0
Second Year	
COM 240, 270	3.0
ECON 203, 204, 225	4.5
MATH 200, 201, 211	4.5
STAT 260, 261	3.0
Third Year	
ECON 305, 313, 365, 366, 435	7.5
MATH 348, 352, 377	4.5
STAT 350, 450	3.0
Fourth Year	
ECON 454, 468	3.0
MATH 452, 477	3.0
STAT 457	1.5
Electives	7.5

MATHEMATICS AND STATISTICS CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Science is described on page 174. Students in a Major or Honours Program offered by the department who are admitted to the Co-operative Education Program participate in a combined Computer Science/Mathematics Program during their first two years. In their third year, students may opt to complete either a Computer Science degree program or a Mathematics and Statistics degree program, and will then enter the Co-op Program in the relevant department. Students who opt for a combined or joint degree program involving both departments will remain in the combined Computer Science/Mathematics Co-op Program.

Co-op Program Requirements

The normal requirements for admission to the Computer Science/Mathematics Co-op Program are given in the Computer Science Co-operative Education Programs section, on page 81. Students are normally admitted to the program in January, after their first term on campus, and

application for admission should be made before the end of the first term. However, a student may be admitted to the program up to the end of his or her second year. A student will be admitted to a co-op program only if there is a satisfactory schedule of academic terms and work terms that will enable the student to complete all co-op requirements.

Students registered in the Co-op Program normally must be enrolled in at least 6 units of course work during each academic term. The performance of students will be reviewed after each academic term and each work term. Students who fail to achieve satisfactory standing on an academic term or satisfactory completion of a work term may be required to withdraw from the program.

Each work term is recorded on the student's academic record and transcript. The granting of work term credit by challenge is permitted and is governed by the co-op regulations (see page 46). Students must pass four work terms in order to complete their Co-op degree requirements, and satisfy the course requirements of their specific degree program.

Further information concerning the Co-operative Education Program may be obtained from the department.

COMPUTER SCIENCE/MATHEMATICS WORK EXPERIENCE

The Computer Science/Mathematics Work Experience program is intended for students who are enrolled in at least 3 units of 300- or 400-level courses in Computer Science, Software Engineering, Mathematics or Statistics in any Major, Honours or Option degree program in either the Department of Computer Science or the Department of Mathematics and Statistics, or in any combined degree program offered entirely within these two departments. Students participating in the Work Experience program must pass two co-op work terms, that is, a total of eight months of full-time, discipline-related work under the supervision of the Computer Science/Mathematics Co-op Program. These work terms are subject to the General Regulations: Undergraduate Co-op, page 46, with the exception that work term credit by challenge is not permitted. Students passing the required two co-op work terms will receive a designation of Work Experience on their academic record and transcript.

Participation in this program is limited. Students should contact the Computer Science/Mathematics Co-op Office to discuss entry into this program.

Department of Physics and Astronomy

Robert V. Kowalewski, BS (Rochester), PhD (Cornell), Professor and Chair

Arif Babul, BSc (Tor), PhD (Prin), Professor

Dean Karlen, BSc (Alta), PhD (Stanford), R. M. Pearce Professor of Physics

Richard K. Keeler, BSc (McGill), MSc, PhD (UBC), Professor

Eric L. Kunze, BSc (UBC), MSc, PhD (Washington), Professor

Michel Lefebvre, BSc (Laval), PhD (Cantab), Professor

Julio Navarro, BSc, PhD (Universidad Nacional de Cordoba), CIFAR Scholar and Professor

Maxim Pospelov, MSc (Novosibirsk), PhD (Budker), Professor

Christopher J. Pritchett, BSc (Sask), MSc, PhD (Tor), Professor

J. Michael Roney, BSc (Car), MSc (McG), PhD (Car), Professor

Don A. VandenBerg, BSc (Leth), MSc (UVic), PhD (ANU), FRSC, Professor

Arthur Watton, BSc (Imp Coll, Lond), PhD (McMaster), Professor

Byoung-Chul Choi, Diplom (Aachen), PhD (Freie Universität), Associate Professor

Sara L. Ellison, MPhys (Kent), PhD (Cantab), Associate Professor and Canada Research Chair

Andrew I. Jirasek, BSc (Calg), MSc (Guelph), PhD (UBC), Associate Professor

Kimberley A. Venn, BSc (Tor), MSc, PhD (Texas-Austin), Associate Professor

Justin Albert, AB (Harvard), MSc, PhD (Prin), Assistant Professor

Rogério de Sousa, BS, MS (Campinas, Brazil), PhD (Maryland), Assistant Professor

Falk H. Herwig, BSc (Kiel), MSc (Edinburgh), PhD (Potsdam & Kiel), Assistant Professor

Jody M. Klymak, BSc (UVic), MSc, PhD (Washington), Assistant Professor

Pavel Kovtun, MSc (Kharkov Natl. University, Ukraine), PhD (Washington), Assistant Professor

Adam Ritz, BSc (Tasmania), MSc (Melbourne), PhD (Imperial College), Assistant Professor

Geoffrey M. Steeves, BSc, PhD (Alta), Assistant Professor

Jon P. Willis, BSc (Glasgow), PhD (Cantab), Assistant Professor

Mark C.A. Laidlaw, BSc (UVic), MSc, PhD (UBC), Senior Instructor

Research Faculty

Werner Israel, OC, BSc, MSc (Cape Town), Scholar (Dublin), PhD (Trinity), FRS, FRSC, CIAR Fellow and Adjunct Professor

Robert A. McPherson, BA (UBC), MA, PhD (Prin), IPP Scientist and Adjunct Professor

Randall J. Sobie, BSc, MSc, PhD (Tor), IPP Scientist and Adjunct Professor

Administrative and Academic Professionals

Charles R. Card, BA (Reed Coll), Senior Scientific Assistant

Peter M. Cross, BSc (UVic), Coordinator, Co-operative Education Program

Susan Gnucci, BEd (UVic), Administrative Officer
Douglas McKenzie, BSc (UVic), Senior Laboratory Instructor

Robin D. Rempel, BSc (UVic), Laboratory Instructor

Russell M. Robb, BSc (Calg), Senior Scientific Assistant

Danilo Rosa, BSc (Concordia), Senior Laboratory Instructor

Alexander Schmid, BSc (UVic), Laboratory Instructor

Martin Simmons, BSc (UVic), Laboratory Instructor

Christopher Tooley, BSc (UVic), Programmer

Alexander van Netten, BSc, MSc, PhD (UVic), A. Eng. dip at von Karman Institute for Fluid Dynamics, Laboratory Supervisor

Alexander Y. Wong, BSc (UVic), Senior Laboratory Instructor

Nikiforos Zapanis, BSc (UBC), Senior Programmer Analyst

Visiting, Adjunct and Cross-listed Appointments

Alan Astbury, BSc, PhD (Liverpool), FRS, FRSC, Adjunct Professor and Emeritus Professor

Harvey A. Buckmaster, BSc (Alta), MA, PhD (UBC), Adjunct Professor

David Crampton, BSc, PhD (Tor), Adjunct Professor

Laura Ferrarese, Laurea Degree (Padova, Italy), MA, PhD (Johns Hopkins), Adjunct Professor

Robert E. Horita, BASc, MSc, PhD (UBC), Adjunct Professor and Emeritus Professor

John Hutchings, PhD (Cantab), BSc, MSc (Rand), Adjunct Professor

Arthur Olin, BSc (McGill), PhD (Harv), Adjunct Professor

Lyle P. Robertson, BA, MA PhD (UBC), Adjunct Professor and Emeritus Professor

Thomas J. Ruth, BSc (St. Francis Coll), MA (Coll of William & Mary), MA, PhD (Clark), Adjunct Professor

Peter B. Stetson, BA, MA (Wesleyan), MSc, PhD (Yale), Adjunct Professor

Edward L. Tomusiak, BSc, MSc (Alta), PhD (McGill), Adjunct Professor

Gordon A.H. Walker, BSc (Edinburgh), PhD (Cantab), Adjunct Professor

Sergei, F. Zavgorodni, BSc, (Kazakh State University, USSR), PhD (Institute for Nuclear Physics, Tomsk, USSR), Adjunct Professor

William Ansbacher, BSc, PhD (Otago), Adjunct Associate Professor

Parminder Basran, BSc, MSc (Alta), PhD (Calg), Adjunct Associate Professor

Wayne A. Beckham, BSc, MSc (Otago), PhD (Adelaide), Adjunct Associate Professor

Patrick Côté, BSc (Western Ont.), MSc, PhD (McMaster), Adjunct Associate Professor

James Di Francesco, BSc (Tor), PhD (Texas), Adjunct Associate Professor

Doug Johnstone, BA (Tor), MSc, PhD (UC Berkeley), Adjunct Associate Professor

Akira Konaka, MSc, PhD (Kyoto), Adjunct Associate Professor

Shane M. Koscielniak, BA (Cantab), PhD (Oxford), Adjunct Associate Professor

Jean-Pierre Véran, MSc, PhD (École Nat. Sup. des Télécomm. - Paris), Adjunct Associate Professor

Stephenson Yang, BSc, MSc, PhD (UBC), Adjunct Associate Professor

John P. Blakeslee, BA (Chicago), PhD (MIT), Adjunct Assistant Professor

Isabelle Gagné, BSc (Royal Roads Military Coll), MSc, PhD (Alta), Adjunct Assistant Professor

Michelle Hiltz, BA, BSc (McMaster), MSc, PhD (UBC), Adjunct Assistant Professor

Hendrik Hoekstra, Doctorandus, PhD (Groningen), Adjunct Assistant Professor

J.J. Kavelaars, BSc (Guelph), MSc, PhD (Queen's), Adjunct Assistant Professor

Brenda C. Matthews, BA.Sc (McMaster), MSc (Calgary), PhD (McMaster), Adjunct Assistant Professor

David Morrissey, MSc (McGill), PhD (Chicago), Adjunct Assistant Professor

Antoni I. Popescu, Diploma (Bucharest), PhD (Kentucky), Adjunct Assistant Professor

David Schade, BSc, MSc, PhD (UVic), Adjunct Assistant Professor

Luc Simard, BSc (Queen's), MSc, PhD (UVic), Adjunct Assistant Professor

Isabel Trigger, BSc (McGill), MSc, PhD (Montréal), Adjunct Assistant Professor

Derek M. Wells, BSc (Calgary), MSc (Alta), PhD (Clemson), Adjunct Assistant Professor

Physics and Astronomy

General Office: 250-721-7700

Fax: 250-721-7715

Email: offi-l@phys.uvic.ca

Web: www.phys.uvic.ca/

PHYSICS AND ASTRONOMY PROGRAMS

Undergraduate Degree Programs

The department offers the following BSc degree programs:

- General, Minor, Major and Honours in Physics
- Major and Honours in Astronomy
- Combined Major and Honours in Physics and Astronomy
- Combined Honours in Physics and Mathematics
- Combined Major and Honours in Physics and Earth Sciences (Geophysics)
- Combined Major and Honours in Physics and Ocean Sciences (Physical Oceanography)
- Combined Major and Honours in Physics and Computer Science
- Combined Major and Honours in Physics and Biochemistry

A student may complete a Minor in Physics by completing the requirements for the General

Program in Physics in conjunction with the requirements for an Honours or Major Program offered by another department (which need not be in the Faculty of Science).

A BSc degree in Physics provides a sound basis for entry to graduate programs of study in fields such as Atmospheric Science, Geophysics and Oceanography.

Courses of General Interest

The courses ASTR 101, 102, 201 and PHYS 303 are intended for students who wish to increase their understanding of science and the physical world as part of their cultural development.

Co-operative Education Programs

Please, see page 198.

PROGRAM REQUIREMENTS

Notes on Course Requirements

- The course sequences below are designed for a four-year program. Students who anticipate taking longer than four years should consult the undergraduate adviser. Students in the Co-op program will take longer than four years and should consult the Co-op coordinator.

- Physics 12 and Mathematics 12 are required for entry into the Physics and Astronomy undergraduate programs. For all sequences, PHYS 120 is intended for students planning a career in Physics or Astronomy and who have attained at least a B standing in each of Physics 12 and Mathematics 12.

- Those with less than a B standing and planning a career in Physics or Astronomy, or those planning a career in some other Physical Science (such as Chemistry or Earth and Ocean Sciences), should take PHYS 112.

- Students planning to take Honours programs should normally also have completed Chemistry 11 and 12. Advanced placement is available for students with high standing in both Mathematics 12 and Physics 12.

- Students should consult the timetable or the department to confirm which courses are offered in any particular term.

- Where consent of the department is specified as a course prerequisite, this consent must be obtained from the department Chair or the Chair's nominee.

- A student may obtain at most 4.5 units of credit from 100-level Physics courses.

Honours Programs: General Regulations

- Admission to the third and fourth years of the Honours programs requires the permission of the department.

- Admission to the Combined Honours Physics and Mathematics program requires the permission of both the Department of Physics and Astronomy and the Department of Mathematics and Statistics.

- Admission to the Combined Honours Physics and Earth Sciences (Geophysics) Program, and the Combined Honours Physics and Ocean Sciences (Physical Oceanography) Program requires the permission of both the Department of Physics and Astronomy and the School of Earth and Ocean Sciences (SEOS).

- Admission to the Combined Honours Physics and Computer Science Program requires the

permission of both the Department of Physics and Astronomy and the Department of Computer Science.

- Admission to the Combined Honours Physics and Biochemistry Program requires the permission of both the Department of Physics and Astronomy and the Department of Biology and Microbiology.

- Students in the Honours programs will be required to maintain a GPA of at least 3.5.

Major Programs: General Regulations

For any Major program in the department, the course grades used in calculating the GPA on which the type of degree is based must include those for all courses (including departmental electives) numbered 300 and above that are specified by the department.

Physics Programs: Course Requirements Honours Program in Physics

Year 1	
CHEM 101, 102.....	3.0
CSC 110.....	1.5
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives.....	4.5
Total:	15.0

Year 2	
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Electives ¹	6.0
Total:	15.0

Year 3	
MATH 300, 301, 342, 346.....	6.0
PHYS 313 or 314; 317, 321A, 321B, 323, 325, 326	10.5
Total:	16.5

Year 4	
PHYS 410, 421, 422, 423, 429A, 429B	9.0
PHYS 460	0.0
PHYS electives ²	9.0
Total:	18.0

1. PHYS 242 is strongly recommended in second year. ASTR 200B or 250, 255 or 304, PHYS 210, CSC 115, 225 and 230 are also recommended.

2. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher (at least 3 units of which must be in Physics courses). These electives must be chosen in consultation with the Department.

Major Program in Physics

Year 1	
CSC 110.....	1.5
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives ¹	7.5
Total:	15.0

Year 2	
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Electives ²	6.0
Total:	15.0

Year 3	
MATH 300, 301, 342, 346.....	6.0
PHYS 317, 321A, 325, 326.....	6.0
Electives	3.0
Total:	15.0

Year 4	
PHYS 313 or 314; 323	3.0
PHYS electives ³	6.0
Electives.....	6.0
Total:	15.0

1. Three units of Chemistry are recommended in this program.

2. PHYS 242 is strongly recommended in second year. ASTR 200B or 250, 255 or 304, PHYS 210, CSC 115, 225 and 230 are also recommended.

3. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher (at least 3 units of which must be in Physics courses). One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

General and Minor Programs in Physics

Year 1	
CSC 110.....	1.5
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives ¹	7.5
Total:	15.0

Year 2	
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Electives ²	6.0
Total:	15.0

Year 3	
MATH 300, 301, 342, 346.....	6.0
PHYS 317, 325, 326	4.5
Electives	4.5
Total:	15.0

Year 4	
PHYS 313 or 314; 323	3.0
PHYS electives ³	1.5
Electives.....	10.5
Total:	15.0

1. Three units of Chemistry are recommended in this program.

2. PHYS 242 is strongly recommended in second year. ASTR 200B or 250, 255 or 304, PHYS 210, CSC 115, 225, and 230 are also recommended.

3. 1.5 units of electives in this program must be chosen from Physics and Astronomy courses numbered 300 or higher. PHYS 321A is strongly recommended.

Astronomy Programs: Course Requirements

Honours Program in Astronomy

Year 1	
ASTR 150.....	1.5
CHEM 101, 102.....	3.0
CSC 110.....	1.5
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0

Electives.....	3.0
Total:	15.0

Year 2	
ASTR 250, 255	3.0
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Electives ¹	3.0
Total:	15.0

Year 3	
ASTR 303, 329	3.0
MATH 300, 301, 342, 346	6.0
PHYS 317, 321A, 321B, 323, 325, 326	9.0
Total:	18.0

Year 4	
Three of ASTR 402, 403, 404, 405.....	4.5
ASTR 429	1.5
ASTR 460	0.0
PHYS 313 or 314; 410; 422 or 423	4.5
PHYS electives ²	6.0
Elective	1.5
Total:	18.0

1. PHYS 242 is strongly recommended. PHYS 210, CSC 115, 225, and 230 are also recommended.

2. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher. These electives must be chosen in consultation with the Department.

Major Program in Astronomy

Year 1	
ASTR 150	1.5
CSC 110	1.5
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives ¹	6.0
Total:	15.0

Year 2	
ASTR 250, 255	3.0
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Electives ²	3.0
Total:	15.0

Year 3	
ASTR 303, 329	3.0
MATH 300, 301, 342, 346	6.0
PHYS 317, 326	3.0
Electives ²	3.0
Total:	15.0

Year 4	
Three of ASTR 402, 403, 404, 405.....	4.5
PHYS 313 or 314; 323, 325	4.5
Electives ³	6.0
Total:	15.0

1. Three units of Chemistry are recommended in this program.

2. PHYS 242 is strongly recommended in second year. PHYS 210, CSC 115, 225, and 230 are also recommended. PHYS 321A is strongly recommended

3. One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

Combined Physics and Astronomy Program Requirements

Combined Honours in Physics and Astronomy

Year 1	
ASTR 150	1.5
CHEM 101, 102	3.0
CSC 110	1.5
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives	3.0
Total:	15.0

Year 2	
ASTR 250, 255	3.0
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Electives ¹	3.0
Total:	15.0

Year 3	
ASTR 303, 329	3.0
MATH 300, 301, 342, 346	6.0
PHYS 317, 321A, 321B, 323, 325, 326	9.0
Total:	18.0

Year 4	
Three of ASTR 402, 403, 404, 405	4.5
ASTR 429 or PHYS 429B	1.5
ASTR 460 or PHYS 460	0.0
PHYS 313 or 314; 410, 421, 422, 423, 429A	9.0
PHYS or ASTR electives ²	3.0
Total:	18.0

1. PHYS 242 is strongly recommended in second year. PHYS 210, CSC 115, 225, and 230 are also recommended.
2. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher. These electives must be chosen in consultation with the Department.

Combined Major in Physics and Astronomy

Year 1	
ASTR 150	1.5
CSC 110	1.5
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives ¹	6.0
Total:	15.0

Year 2	
ASTR 250, 255	3.0
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Electives ²	3.0
Total:	15.0

Year 3	
ASTR 303, 329	3.0
MATH 300, 301, 342, 346	6.0
PHYS 317, 325, 326	4.5
Electives ³	1.5
Total:	15.0

Year 4	
Three of ASTR 402, 403, 404, 405	4.5

PHYS 313 or 314; 323	3.0
PHYS or ASTR electives ⁴	6.0
Electives	1.5
Total:	15.0

1. Three units of Chemistry are recommended in this program.
2. PHYS 242 is strongly recommended in second year. PHYS 210, CSC 115, 225, and 230 are also recommended.
3. PHYS 321A is strongly recommended.
4. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher. These electives must be chosen in consultation with the Department. One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

Combined Physics and Mathematics Program Requirements

Combined Honours in Physics and Mathematics

Year 1	
CHEM electives ¹	3.0
CSC 110	1.5
MATH 100, 101, 122	4.5
PHYS 120 and 130; or 112	3.0
Electives	3.0
Total:	15.0

Year 2	
MATH 200, 201, 211, 212, 236 ²	7.5
PHYS 214, 215, 216	4.5
Electives ³	3.0
Total:	15.0

Year 3	
MATH 300 or 336 ⁴ , 301, 342, 346	6.0
MATH electives ⁵	3.0
PHYS 313 or 314; 321A, 321B, 323, 325, 326	9.0
Total:	18.0

Year 4	
MATH 311, 312, 442 ²	4.5
MATH electives ⁵	4.5
PHYS 317, 410, 421, 422, 423	7.5
PHYS 460	0.0
PHYS electives ⁶	1.5
Total:	18.0

1. Electives chosen from first-year Chemistry courses.
2. Some students, such as those with credit for MATH 100, may take MATH 211 and 212 in first year, and MATH 311 and 312 in second year.
3. PHYS 242 is strongly recommended in second year. PHYS 210, CSC 115, 225, and 230 are also recommended.
4. Students wishing to take MATH 401, 435 or 446 must take 336.
5. Electives chosen from MATH courses numbered 300 or higher. These electives must be chosen in consultation with the Department of Mathematics and Statistics. These electives must include one of the following combinations: one of MATH 412, 413 (Algebra); two of MATH 322, 422, 423 (Discrete); two of MATH 365, 465, 467 (Geometry/Topology); two of MATH 401, 435, 436 (Analysis); or two of MATH 352, 451, 452 (Probability).

6. Electives chosen from Physics and Astronomy courses numbered 300 or higher. These electives must be chosen in consultation with the Department of Physics and Astronomy.

Combined Physics and Earth Sciences (Geophysics) Program Requirements

Combined Honours in Physics and Earth Sciences (Geophysics)

Year 1	
CHEM 101, 102	3.0
CSC 110	1.5
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives	1.5
Total:	15.0

Year 2	
EOS 201, 202, 205	4.5
EOS 210 or PHYS 210	1.5
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Total:	15.0

Year 3	
EOS 300	1.5
EOS 427 or PHYS 427 or electives ^{1,2}	1.5
MATH 300, 301, 342, 346	6.0
PHYS 321A, 321B, 325, 326	6.0
Electives ¹	1.5
Total:	16.5

Year 4	
EOS 410, 480	3.0
EOS 427 or PHYS 427 or electives ^{1,2}	1.5
EOS 499A, 499B; or PHYS 429A, 429B	3.0
PHYS 317, 323, 411	4.5
PHYS 460	0.0
PHYS or EOS electives ^{1,3}	6.0
Total:	18.0

1. In choosing these electives, it is recommended that students consider the prerequisite requirements for PHYS or EOS electives in Year 4.
2. One of EOS 427 or PHYS 427 is required in the program, and may be taken in either third or fourth year (normally offered in alternate years).
3. Chosen from EOS and PHYS courses numbered 300 and above. PHYS electives must be chosen in consultation with the Department of Physics and Astronomy.

Combined Major in Physics and Earth Sciences (Geophysics)

Year 1	
CHEM 101, 102	3.0
CSC 110	1.5
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives	1.5
Total:	15.0

Year 2	
EOS 201, 202, 205	4.5
EOS 210 or PHYS 210	1.5
MATH 200, 201, 211	4.5

PHYS 214, 215, 216	4.5
Total:	15.0

Year 3

EOS 300	1.5
EOS 427 or PHYS 427 or electives ^{1,2}	1.5
MATH 300, 301, 342, 346	6.0
PHYS 321A, 325, 326	4.5
Electives ¹	1.5
Total:	15.0

Year 4

EOS 410, 480	3.0
EOS 427 or PHYS 427 or electives ^{1,2}	1.5
PHYS 317, 323, 411	4.5
PHYS or EOS electives ^{1,3}	4.5
Electives	1.5
Total:	15.0

1. In choosing these electives, it is recommended that students consider the prerequisite requirements for PHYS or EOS electives in Year 4.

2. One of EOS 427 or PHYS 427 is required in the program, and may be taken in either third or fourth year (normally offered in alternate years).

3. Chosen from EOS and PHYS courses numbered 300 and above.

Combined Physics and Ocean Sciences (Ocean-Atmosphere Dynamics) Program Requirements

Combined Honours in Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)

Year 1

CHEM 101, 102	3.0
CSC 110	1.5
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Elective	1.5
Total:	15.0

Year 2

EOS 340	1.5
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Electives ¹	4.5
Total:	15.0

Year 3

MATH 300, 301, 342, 346	6.0
PHYS 317, 321A, 321B, 323, 325, 326	9.0
PHYS electives ²	1.5
Total:	16.5

Year 4

EOS 431, 433	3.0
EOS 499A, 499B; or PHYS 429A, 429B	3.0
PHYS 410, 411, 422, 426	6.0
PHYS 460	0.0
EOS electives	3.0
PHYS electives ²	3.0
Total:	18.0

1. PHYS 242 is strongly recommended in second year. EOS 210 or PHYS 210 and CSC 115, 225 and 230 are also recommended.

2. Chosen from PHYS courses numbered 300 and above, in consultation with the Department of Physics and Astronomy.

Combined Major in Physics and Ocean Sciences (Ocean-Atmosphere Dynamics)

Year 1

CHEM 101, 102	3.0
CSC 110	1.5
EOS 110, 120	3.0
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Elective	1.5
Total:	15.0

Year 2

EOS 340	1.5
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
Electives ¹	4.5
Total:	15.0

Year 3

MATH 300, 301, 342, 346	6.0
PHYS 317, 321A, 325, 326	6.0
Electives	3.0
Total:	15.0

Year 4

EOS 431, 433	3.0
PHYS 323, 411, 426	4.5
Electives	7.5
Total:	15.0

1. PHYS 242 is strongly recommended in second year. EOS 210 or PHYS 210 and CSC 115, 225, 230 are also recommended.

Combined Physics and Computer Science Program Requirements

Combined Honours in Physics and Computer Science

Year 1

CSC 106, 110, 115	4.5
ENGL 115 or 135	1.5
MATH 100, 101, 122	4.5
PHYS 120 and 130; or 112	3.0
Electives	1.5
Total:	15.0

Year 2

CSC 225, 230	3.0
CSC 242 or PHYS 242	1.5
ENGR 240	1.5
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
SENG 265	1.5
Total:	16.5

Year 3

CSC 320, 349A, 355, 360	6.0
One of CSC 445, 446, 449, 484	1.5
MATH 300, 301, 342, 346	6.0
PHYS 325, 326	3.0
Total:	16.5

Year 4

CSC 499 or PHYS 429B	1.5
----------------------------	-----

PHYS 317, 321A, 321B, 323, 422	7.5
CSC electives ¹	4.5
PHYS electives ²	4.5
Total:	18.0

1. 4.5 units of other Computer Science courses must be at the 400 level and may include CENG 420 or 1.5 units of SENG courses; they must be chosen in consultation with the Department of Computer Science.

2. Physics electives must be at the 300 or higher level and must be chosen in consultation with the Department of Physics and Astronomy. One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

Combined Major in Physics and Computer Science

Year 1

CSC 106, 110, 115	4.5
ENGL 115 or 135	1.5
MATH 100, 101, 122	4.5
PHYS 120 and 130; or 112	3.0
Electives	1.5
Total:	15.0

Year 2

CSC 225, 230	3.0
CSC 242 or PHYS 242	1.5
ENGR 240	1.5
MATH 200, 201, 211	4.5
PHYS 214, 215, 216	4.5
SENG 265	1.5
Total:	16.5

Year 3

CSC 349A, 355, 360	4.5
One of CSC 445, 446, 449, 484	1.5
MATH 300, 301, 342, 346	6.0
PHYS 325, 326	3.0
Total:	15.0

Year 4

CSC 320	1.5
PHYS 317, 321A, 323	4.5
CSC electives ¹	4.5
PHYS electives ²	4.5
Total:	15.0

1. At least 3 units of Computer Science courses must be at the 400 level (up to 3 units can be SENG courses at similar level) and must be chosen in consultation with the Department of Computer Science.

2. These Physics electives must be at the 300 or higher level and must be chosen in consultation with the Department of Physics and Astronomy. One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

Combined Physics and Biochemistry Program Requirements

Combined Honours in Physics and Biochemistry

Year 1

BIOL 150A or 190A	1.5
CHEM 101, 102	3.0
CSC 110	1.5
ENGL 115 or 135	1.5
MATH 100, 101	3.0

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PHYS 120 and 130; or 112	3.0
Electives ¹	1.5
Total:	15.0

Year 2

BIOL 225	1.5
CHEM 231, 235	3.0
MATH 200, 201, 211	4.5
MICR 200A	1.5
PHYS 214, 215, 216	4.5
Total:	15.0

Year 3

BCMB 301A	1.5
BIOC 300A, 300B	3.0
CHEM 213, 245	3.0
MATH 300, 301, 342	4.5
PHYS 325, 326	3.0
Electives	1.5
Total:	16.5

Year 4

Two of BIOC 401, 403, 404, 407, 408	3.0
BIOC 499A, 499B; or PHYS 429A, 429B	3.0
PHYS 313 or 314; 317, 321A, 321B, 323	7.5
PHYS 460	0.0
Electives	4.5
Total:	18.0

1. Must have credit for Biology 11/12 or BIOL 150A and 150B or equivalent.

Combined Major in Physics and Biochemistry**Year 1**

BIOL 150A or 190A	1.5
CHEM 101, 102	3.0
CSC 110	1.5
ENGL 115 or 135	1.5
MATH 100, 101	3.0
PHYS 120 and 130; or 112	3.0
Electives ¹	1.5
Total:	15.0

Year 2

BIOL 225	1.5
CHEM 231, 235	3.0
MATH 200, 201, 211	4.5
MICR 200A	1.5
PHYS 214, 215, 216	4.5
Total:	15.0

Year 3

BCMB 301A	1.5
BIOC 300A, 300B	3.0
CHEM 213, 245	3.0
MATH 300, 301, 342	4.5
PHYS 325, 326	3.0
Electives	1.5
Total:	16.5

Year 4

Two of BIOC 401, 403, 404, 407, 408	3.0
PHYS 313 or 314; 317, 321A, 323	6.0
PHYS electives ²	3.0
Electives ³	4.5
Total:	15.0

1. Must have credit for Biology 11/12 or BIOL 150A and 150B or equivalent.

2. Chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher.

3. PHYS 242 is strongly recommended. One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

PHYSICS AND ASTRONOMY CO-OPERATIVE EDUCATION PROGRAM

The Physics and Astronomy Co-operative Education Program is a year-round program which includes, in addition to the normal Major or Honours academic program for the BSc, employment in jobs related to Physics or Astronomy in industry or government for at least four scheduled work terms interspersed between academic terms. This employment is related as closely as possible to the student's course of studies and individual interest.

Co-op Program Requirements

To qualify for entry to the Physics and Astronomy Co-op program, a student must have satisfied the Undergraduate English Requirement, page 29, be enrolled full time, be proceeding to an Honours or Major degree in the Department of Physics and Astronomy, have at least a 4.5 GPA and have at least a B- in each Physics or Astronomy course taken. To remain in the program, a student must be enrolled full time and maintain an average of at least 3.5. In addition, satisfactory performance in each work term is required. Successfully completed work terms will be recorded on the student's record and transcript. Work term credit by challenge, as outlined on page 45 of the Calendar, is permitted in the Physics and Astronomy Co-op Program.

Except for students in the Combined Physics and Computer Science programs, the first Work Term (following first year) is optional; the last four scheduled Work Terms are required. Students who choose to take the first Work Term will thus be required to complete a total of five Work Terms.

Students in a Combined Physics and Computer Science degree program who wish to participate in a combined Co-op must apply for admission to and be accepted by both the Physics and Astronomy and Computer Science/Mathematics Co-op programs. These students must complete at least two Work Terms in each of Physics and Astronomy and Computer Science/Mathematics Co-op programs in order to complete their Co-op degree requirements. Normally, students will undertake a fifth Work Term, which may be taken in either of the two programs. Students in the combined degree program who do not wish to be in the combined Co-op Program, may, if eligible, enrol in and undertake work terms in only one Co-op program.

Honours students in the Co-operative Education program are normally required to obtain credit for at least 7.5 units in each academic term, or 15 units in two successive academic terms which may be separated by a work term. The ninth academic term is not subject to this requirement.

Faculty of Social Sciences

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The Social Sciences encompass the systematic study of individual and group behaviour as people interact in and with their cultural, social, economic, political and biophysical environments. The disciplines in the Faculty, namely Anthropology, Economics, Environmental Studies, Geography, Political Science, Psychology and Sociology, enlarge their students' understanding of themselves and the world.

Peter Keller, BA (Dub), MA, PhD (WOnt), Dean of Social Sciences

Margot Wilson, BA, MA (Tor), MA, PhD (Southern Methodist), Associate Dean

Michael Webb, BA (Brit col), MA (LSE), PhD (Stan), Acting Associate Dean

Wendy L.M. Major, Administrative Officer

Timothy S. Haskett, BA, MA, PhD (Tor), Director of Academic Advising

Sabrina Jackson, BA (Hons), MA (UVic), Administrative Officer

General Information

Degrees and Programs Offered

The Faculty of Social Sciences offers programs leading to the degrees of Bachelor of Arts (BA) and Bachelor of Science (BSc). BA Honours, Major and General programs are offered by the Departments of Anthropology, Economics, Geography, Political Science, Psychology and Sociology. The Departments of Geography and Psychology also offer BSc Honours, Major and General programs. The Department of Economics offers BSc Honours and Major programs. See chart below.

The School of Environmental Studies offers a BA or BSc degree in either the Major or General Programs when the degree is taken concurrently with a BA Honours, Major or General Program, or a BSc Honours or Major Program, from another academic unit. (See School of Environmental Studies, on page 207.)

Students may obtain a BA in Mathematics or Statistics through the Faculty of Social Sciences. For information, please see page 202.

Academic Advice and Program Planning

Advising Officers

Gillian M. Chamberlin, BA (UVic)

Denise J. Chan

Beth Christopher

Kelly Colby, BA (Whitman), MA (Ithaca)

Joyce Gutensohn, BA (Hons), MA (UVic)

Lori S. Olson, BSc, MPA (UVic)

Patricia Perkins, BSc (UVic)

Advising Assistants

Lara Hannaford

Eleanor Lagrosa

Judy Macquarrie

All students should discuss their proposed programs with the Academic Advising Centre and/or with departmental advisers well in advance of registration.

Academic Advising Centre

Academic advice for the Faculty of Social Sciences is available through the Academic Advising Centre serving the Faculties of Humanities, Science and Social Sciences, A205, University Centre. Students proposing to enter the faculty, or who have been admitted to the faculty, may seek information or advice regarding programs, courses or University and faculty regulations through the Advising Centre.

Departmental Advising

Each academic department has advisers generally available throughout the Winter Session who can give detailed information regarding courses and programs. During the summer months, students should contact the department concerned for an appointment. Students wishing to transfer into the faculty from other programs should consult the department they plan to enter regarding their transfer credit.

Faculty Transfer Advising

Students who wish to transfer into another faculty should contact that faculty's advisers as early as possible regarding the proposed transfer.

University Transfer Advising

Students who wish to complete their degree at another university should contact that institution regarding courses and transfer equivalencies. Students who wish to complete courses at other institutions for transfer credit to the University of Victoria should refer to the section entitled Applicants for Transfer, page 27.

Availability of Courses to Students in Other Faculties

Normally, a student who is not in the Faculty of Social Sciences may register for any section of a course offered in the faculty, provided that the student has the prerequisites for the course, there are places available in the course when the student attempts to register and the Calendar does not state that the registration in the course or in some sections of the course is restricted to students registered in the Faculty of Social Sciences.

Limitation of Enrolment

Admission to the University and faculty is not a guarantee of placement in particular programs and/or courses. Departments may limit enrolment for a variety of reasons.

Faculty Academic Regulations

Admission Requirements

The admission requirements for the Faculty of Social Sciences are presented on page 24.

Credit and Courses

Credit for Summer Session Courses

Credit obtained in May-August courses may be combined with that obtained in Winter Session to complete degree requirements. The maximum credit for May-August work in any calendar year

is 9 units. Further information about the Summer Session is published in the Summer Session Supplement to the Calendar, available in January.

Credit for Courses Offered by Other Faculties

Courses Acceptable for Elective Credit

All courses in other faculties are acceptable for use as elective credit in the Faculty of Social Sciences, if the regulations of the department offering the courses permit and prerequisites are met.

Substitution of Elective Credit for Required Courses

With the consent of the department offering the student's degree, and with the permission of the Director of Academic Advising, students may substitute up to 3 units of 300- and 400-level elective credit for required courses at the 300 and 400 level in a Faculty of Social Sciences degree program. Such permission is invalidated if a student withdraws from the degree program of the department that provided the consent.

Students should review individual department entries in the Calendar for information on the use or substitution of elective credit.

Credit for Studies at Other Universities

Students who wish courses taken at other universities (including universities with which the University of Victoria has formal student exchange agreements) to be credited towards a degree program in the Faculty of Social Sciences must receive prior written approval, in the form of a Letter of Permission, from the Director of Academic Advising. This applies particularly to courses at the 300 and 400 level and to courses which are included in the last 15 units of a degree program. To be eligible for a Letter of Permission to take courses elsewhere, the student must have completed, or be registered in, no less than 6 units at the University of Victoria.

Students are solely responsible for checking the University of Victoria credit for courses to be taken elsewhere, prior to registration, to make sure that there will be no duplication of course credit already received (see also Duplicate and Mutually Exclusive Courses, page 32).

Upon successful completion of such courses, the student must request the Registrar of the other institution to send an official transcript of

Faculty of Social Sciences Programs

	BA			BSc			Minor
	Honours	Major	General	Honours	Major	General	
Anthropology	•	•	•				•
Economics	•	•	•	•	•		•
Environmental Studies ¹		•	•		•		•
Geography	•	•	•	•	•	•	•
Political Science	•	•	•				•
Psychology	•	•	•	•	•	•	•
Sociology	•	•	•				•
Interdisciplinary Programs			•				•

1. Can only be taken as a second component of a Double Major or Joint Honours and Major program

Note: All Honours and Major programs may be taken with a Co-operative Education Option.

Combined Honours and Major programs, special topic options, concentration, specializations, and diplomas are also offered. See the department entries for more information.

record to Undergraduate Records at the University of Victoria.

Due to the delay in obtaining official transcripts from other universities, students completing their degree requirements at another institution during the second term of the Winter Session (January–April) are not eligible to graduate at May convocation. This regulation does not apply to students completing degree requirements in a program offered in partnership between the University of Victoria and a regional college.

Students attending another institution who accept a degree from that institution abrogate their right to a University of Victoria degree until they have satisfied the University's requirements for a second bachelor's degree, page 40.

Normally, the faculty requires all students qualifying for a University of Victoria degree to complete at UVic at least 12 upper-level units of the 15 required for a Major Program, or at least 6 of the 9 upper-level units required in each area of the General Program.

Students in Honours programs normally may take at another university no more than 6 upper-level units in the discipline in which they are taking Honours, and only with the approval of the department's Honours Adviser. In addition, students should complete at UVic at least 18 of the 21 upper-level units required for all degree programs.

GRADUATION STANDING

The graduation standing of students in the Faculty of Social Sciences is determined in accordance with the University regulations on page 39 of the Calendar.

In cases of plagiarism and cheating, the Faculty of Social Sciences reserves the right to recommend to Senate the withdrawal of the "With Distinction" (see page 40) designation in addition to the penalties outlined in the University policy on academic integrity, page 33.

Once a degree, diploma or certificate has been awarded by the University Senate, no change can be made to the programs that constitute that credential (see "Application for Graduation", page 39).

LIMIT ON DEGREES AWARDED

A student proceeding towards a BA or BSc degree in a Double Honours, Joint Honours and Major, Double Major or Interfaculty program is entitled to no more than one bachelor's degree upon completion of any of these programs. Students seeking a second bachelor's degree should consult the regulations on page 40.

DECLARING A PROGRAM

All students continuing in the faculty must declare a program by filing a Record of Degree Program (RDP) with the Academic Advising Centre prior to graduation. If a degree program has been chosen and program entry requirements satisfied, students may file an RDP once they have attained second-year standing (credit for at least 12 units of course work) and should do so once they have attained third-year standing (credit for at least 27 units of course work). The purpose of this RDP is to ensure that proposed courses will meet the requirements of the

selected program. Any subsequent change to a declared program also must be filed with the Academic Advising Centre.

Students who have not satisfied the University English Requirement must do so before they declare their program.

The RDP is approved in writing by the Academic Advising Centre and, in the case of students who wish to pursue an Honours Program, by the department(s) concerned. Students who satisfactorily complete the program of courses set out in the RDP with the required grades are normally recommended for the degree.

Students who do not have an RDP approved, or who follow a program different from that set out in the approved RDP, may not be eligible to graduate.

Note: Students should be aware that limitations may apply to proposed combinations of the following: concurrent degree programs, degree/diploma combinations and degree/minor options.

TIME LIMIT FOR DEGREE COMPLETION

The Faculty of Social Sciences imposes no time limit for the completion of a General or Major BA or BSc. However, a department in the faculty may, with the approval of the faculty, impose stated time limits for a General or Major program that it offers. Students who have not completed their degree programs within five years of being classified as a third-year student must complete the program requirements specified five years or less prior to the completion of their degree.

Honours degrees are normally completed within four years, or for students in the Co-operative Education Program within five years. A student who wishes to take longer to complete an Honours Program should seek prior approval from the Director of Academic Advising through the Chair(s) of the department(s) concerned. Approval is not automatic.

Faculty Program Requirements

REQUIREMENTS COMMON TO ALL BACHELOR'S DEGREES

A student may proceed to either a BA or BSc degree, normally in one of three programs: Honours, Major or General. Joint Honours and Major programs are also offered (see below).

All degree programs have the following requirements:

1. The Undergraduate English Requirement, page 29
2. A minimum of 60 units of courses numbered 100 and above, of which:
 - at least 30 must normally be completed at UVic
 - at least 21 units are numbered at the 300 or 400 level; 18 of these units must be taken at UVic

3. Years One and Two: Students must take a variety of courses across departments or schools at the University.

In the first 15 units (representing Year One):

- not more than 9 units may be taken from any single department
- a minimum of 3 units must be taken from at least two other departments

In the next 15 units (representing Year Two):

- not more than 12 units may be taken from a single department
- at least 3 units must be taken from one other department

For additional requirements for Honours, Major and General Degree Programs, refer to the individual program descriptions, below.

Departmental requirements for the degree program selected are specified under individual departments and schools.

HONOURS PROGRAM

The Honours Program requires specialization in one or more disciplines in the last two or three years of a degree program and is intended for students of higher academic achievement. In some Social Science disciplines, an Honours Program is an excellent preparation for graduate studies. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

Admission to an Honours Program

Admission to an Honours Program is restricted to students who have satisfied the prerequisites and met the minimum GPA specified by the department(s) concerned, and who are judged by the department(s) to have the ability to complete the Honours Program. A student who wishes to be considered for admission to an Honours Program should apply to the Chair or Honours Adviser of the department (approval from both departments is required for admission to Combined Honours programs).

Requirements of the Honours Program

A student in an Honours Program must satisfy the requirements common to all bachelor's degrees in the Faculty of Social Sciences, listed above.

Each department has its own requirements for its Honours Programs, which are specified in individual department entries elsewhere in the Calendar. Of the 300- and 400-level course units specified by the department concerned, not more than 6 may be taken at another acceptable post-secondary institution, and then only with the prior approval of the department's Honours Adviser.

Continuation in an Honours Program requires satisfactory performance as dictated by the department. If, in the opinion of the department, a student's work at any time is not of Honours standard, the student may be required to transfer to a Major or General program.

Normally, a student should complete the requirements for an Honours Program in four academic years (five years for those students enrolled in the Co-operative Education Program). Students who are undertaking a degree on a part-time basis, and who wish to be considered as candidates for Honours, should discuss the options with the department(s) concerned.

Honours Programs

Bachelor of Arts

Anthropology
Economics
Geography
Mathematics
Political Science
Psychology
Sociology
Statistics

Bachelor of Science

Economics
Geography
Psychology

Combined Honours Programs

Biology and Psychology
Geography and Earth and Ocean Sciences

Double Honours Program

With the joint approval of the departments concerned, a student may be permitted to meet the requirements for an Honours Program in each of two departments in the Faculty of Social Sciences, both leading to the same degree (BA or BSc).

Interfaculty Double Honours Program

If a student elects to complete an Honours Program in the Faculty of Social Sciences and a second Honours Program in another faculty, with one program leading to a BA and the other leading to a BSc, the program leading to the degree selected (BA or BSc) must be listed first on the student's Curriculum Advising and Program Planning (CAPP) form. If the second department listed offers both a BA Honours Program and a BSc Honours Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Students completing an Interfaculty program will be subject to the regulations of the faculty in which they are registered.

Joint Honours and Major Program

A student may elect to complete an Honours Program in one area of study together with a Major Program in another area of study, both within the Faculty of Social Sciences and both leading to the same degree (BA or BSc). The Honours Program will be listed first on the student's Curriculum Advising and Program Planning (CAPP) form.

If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc, depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Interfaculty Joint Honours and Major Program

A student may elect to complete an Honours Program in one faculty together with a Major Program in another faculty. The Honours Program will be listed first on the student's Curriculum Advising and Program Planning (CAPP) form, and students will be subject to the regulations of the faculty in which they are registered.

If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc, depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

MAJOR PROGRAM

The Major Program requires specialization in one discipline in the last two years of a degree program and may permit a student to proceed to graduate study if sufficiently high standing is obtained. The Major Program generally is also a good preparation for a professional or business career.

Requirements of the Major Program

A student in a Major Program must satisfy the requirements common to all bachelor's degrees in the faculty, listed above.

Each department has its own requirements for its Major Programs, which include the specification of 15 units, and not more than 15 units, of 300- and 400-level course work. At least 12 of these 15 units must be completed at UVic. A department may also specify and require up to 9 units of courses offered by other departments at the 300 or 400 level.

Major Programs

Bachelor of Arts

Anthropology
Economics
Geography
Mathematics
Political Science
Psychology
Sociology
Statistics

Bachelor of Science

Economics
Geography
Psychology

Combined Major Programs

Financial Mathematics and Economics
Geography and Computer Science (Geomatics)
Geography and Earth and Ocean Sciences
Psychology and Biology
Psychology and Computer Science

Double Major Program

A student may complete the requirements for a Major Program in each of two disciplines in the Faculty of Social Sciences, both leading to the same degree (BA or BSc).

If one of the two departments concerned offers both a BA Major Program and a BSc Major Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Combined Major with a Major Program

A student can complete one of the Combined Major Programs listed above with another Major Program (in this faculty or in another faculty), but the discipline of the Major Program must not be either of the disciplines of the Combined Major Program.

Interfaculty Program

A student may elect to complete an Interfaculty Double Major or a Joint Honours and Major Program. In a Double Major Program, if one of the two departments concerned offers both a BA Major Program and a BSc Major Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

In a Joint Honours and Major Program, the Honours Program will be listed first on the student's Curriculum Advising and Program Planning (CAPP) form, and students will be subject to the regulations of the faculty in which they are registered. If one of the two departments concerned offers a BA Program while the other offers a BSc Program, the student will receive either a BA or a BSc depending on which is specified by the Honours Program. If the department offering the Major Program offers both a BA and a BSc program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

BA or BSc Major in Environmental Studies

A Major Program in Environmental Studies can only be taken as the second component of a Double Major or Joint Honours and Major Program.

BA in Mathematics or Statistics

Students who wish to obtain a BA in Mathematics or Statistics and are registered in the Faculty of Social Sciences, must complete the requirements common to all bachelor's degrees in the Faculty of Social Sciences.

GENERAL PROGRAM

The General Program provides students with the opportunity to study broadly in two disciplines in the last two years of a degree program. It is not intended to prepare students for graduate study, although some graduate schools may accept graduates of a General Program if they have achieved sufficiently high standing.

Requirements of the General Program

A student in a General Program must satisfy the requirements common to all bachelor's degrees in the designated faculty determined by the first subject area listed on the Curriculum Advising and Program Planning (CAPP) form.

The General Program requires:

- Completion of 9 units of course work at the 300 and 400 level in each of the two disciplines, as specified in the General Program requirements of the departments concerned
- At least 6 of the 9 units in each discipline must be completed at UVic

A student may complete a General Program in any two of the following or by completing one of the following and one of the Generals offered in another faculty. The degree awarded will be a BA unless two Generals in the Faculty of Science are chosen, or one of the BSc Generals in Computer Science, Geography or Psychology is combined with a second BSc General in the Faculty of Science.

Anthropology
Economics
Environmental Studies

Geography
Political Science
Psychology
Sociology

A student may also complete a General Program that combines one of the above disciplines/areas of study with one of the following. The degree awarded will be a BA.

Arts of Canada (see page 220)
Film Studies (see page 220)
Indigenous Studies (see page 221)
Music (see page 111)
Professional Writing in Journalism and Publishing (see page 116)
Social Justice Studies (see page 223)

MINOR PROGRAM

A Minor is an optional program that allows students to study in an area outside their Honours, Major or General Program areas. Requirements vary and are specified in the Minor requirements of the department concerned. Where not specified, the requirements for a Minor follow the requirements for the department General Program in one area only.

- No more than 3 units of the 300- and 400-level course work required for the Minor can be taken elsewhere, and at least 6 of the units required for the Minor must be completed at UVic.
- If the Minor requires 9 units of 300- and 400-level course work, these 9 units cannot form part of the 300- and 400-level department requirements for a student's Honours or Major Program. Corequisite courses in other programs may be counted toward the Minor.
- If the Minor requires less than 9 units of 300- and 400-level course work, no courses at the 300- or 400-level can form part of the requirements for a student's Honours, Major or General Program or Option. Required or corequisite courses at the 200-level or higher in other programs or options may not be counted toward the Minor.

Only one Minor can be declared on a student's program.

In addition to department Minors, the following Minors are offered:

Interdisciplinary Minors

Applied Ethics (see page 222)
Arts of Canada Program (see page 220)
European Studies (see page 221)
Film Studies (see page 220)
Human Dimensions of Climate Change (see page 223)
Indigenous Studies (see page 221)
Social Justice Studies (see page 223)

Student-Designed Minor

Students may undertake an interdisciplinary Minor that is not listed in the Calendar. In addition to the requirements of the Minors listed above, this student-designed Minor must:

- Include courses from at least two departments, with a minimum of 3 units from each department
- Consist of courses taken only at UVic

- Have structure, coherence and theme; it cannot consist of unrelated courses
- Be approved by the Chair/Adviser of the departments concerned
- Be approved by the Director of Academic Advising
- Be declared by the end of the student's third year

Students must discuss their proposed Student-Designed Minor with department Chairs/Advisers before submitting their request to the Director of Academic Advising. The Student-Designed Interdisciplinary Minor form is available from the Academic Advising Centre, A205, University Centre.

SOCIAL SCIENCES CO-OPERATIVE EDUCATION PROGRAM

Laura Black, MA (UBC), Coordinator
Barbara Fisher, MA (UVic), Coordinator
Helen Kobrc, BCom (UVic), Coordinator

The Social Sciences Co-operative Education Program is a year-round program that formally integrates an education in the social sciences with relevant work experience. Students will complete a minimum of three, normally four, work terms of employment in appropriate fields of business, industry, government, social services and the professions.

Admission to the Social Sciences Co-op Program

To qualify for admission into the undergraduate Social Sciences Co-operative Education Program in Anthropology, Economics, Environmental Studies, Geography, Political Science, Psychology or Sociology, a student must be proceeding to an Honours or Major BA or BSc degree in one or two of these disciplines. Students should refer to the Co-op entry under the appropriate department entry.

For Graduate Co-op, students are referred to the UVic Graduate Calendar.

Applicants for Social Sciences Co-op must be registered in at least 6 units of course work per term. Specific GPA requirements of individual departments may vary; refer to the entries of individual departments.

To continue in the program, students must continue to be enrolled full time in a program leading to an Honours or Major BA or BSc degree in one of the Social Science disciplines and must maintain the GPA set by the department.

To receive the Co-op designation upon graduation, students must complete satisfactorily the Work Term Preparation program, and successfully complete a minimum of three work terms. Details of Co-op work terms are recorded on the transcript.

A student may transfer from the Co-op program to the regular degree program at any time during an academic term.

Social Sciences Work Experience Program

The Social Sciences Work Experience Program is intended for students who are enrolled in at least 3 units of courses in the Faculty of Social Sciences. Students participating in the Social Sciences Work Experience Program will complete one or two work experience terms, that is,

four to eight months of full-time, discipline-related work under the supervision of the Social Sciences Co-op Program. These work experience terms are subject to the general regulations for Undergraduate Co-op programs in the University Calendar, with the exception that work term credit by challenge is not permitted. Participation in this program is limited. Students should contact the Social Sciences Co-op office to discuss entry into this program.

Department of Anthropology

Ann B. Stahl, BA (Miami), MA (Calgary), PhD (Berkeley), Professor and Chair

Heather Botting, BA, MA, PhD (Alberta), MA (Calgary) Senior Instructor

Hülya Demirdirek, BA, M.Phil (Norway), PhD (Oslo), Assistant Professor

Lisa Gould, BA, MA (Alberta), PhD (Wash U St L), Associate Professor

Helen Kurki, BSc, (Lakehead), MSc, PhD (Toronto), Assistant Professor

Yin Lam, AB (Harvard), MA (Alberta), MA (Stony Brook), PhD (Stony Brook), Associate Professor

Quentin Mackie, BA, MA (UVic), PhD (Southampton), Assistant Professor

Margo L. Matwychuk, BA (Winn), MPhil, PhD (CUNY), Assistant Professor

Lisa M. Mitchell, BA (Alberta), MA (McMaster), PhD (CWRU), Associate Professor

April Nowell, BA, MA (McGill), PhD (Pennsylvania), Associate Professor

Eric A. Roth, BA (Missouri), MA, PhD (Tor), Professor

Peter H. Stephenson, BA (Ariz), MA (Calg), PhD (Tor), Professor

Andrea Walsh, BFA (UVic), MA, PhD (York U), Associate Professor

Rebecca (Becky) Wigen, BA (Washington), MA (UVic) Senior Lab Instructor

Margot E. Wilson, BA, MA (Tor), MA, PhD (Southern Methodist), Associate Professor

Visiting, Adjunct and Cross-listed Appointments

Steve Acheson, BA, MA, DPhil (Oxford), Adjunct Assistant Professor (2006-2009)

Michael I. Asch, BA, PhD (Columbia), Visiting Professor (2007-2010)

Heather Botting, BA, MA, MA, PhD (Calgary) Adjunct Assistant Professor (2007-2011)

Moyra Brackley, BA, MA, PhD (Toronto), Adjunct Assistant Professor (2007-2010)

Susan Crockford, BSc, PhD (Victoria), Adjunct Assistant Professor (2007-2010)

Mark Ebert, BA, MA, PhD (Aberdeen), Adjunct Assistant Professor (2006-2009)

Steig Johnson, BA, MA, PhD (Texas, Austin), Adjunct Assistant Professor (2007-2010)

Christopher Justice, BA, (SFU), MA, PhD (McMaster), Adjunct Associate Professor (2009-2012)

Mary Ellen Macdonald, BA, MA, PhD (McGill), Adjunct Assistant Professor (2006-2008)

Duncan McLaren, BA (SFU), MA, PhD (UVic), Adjunct Assistant Professor (2009-2011)

Marjorie Mitchell, BA, MA, PhD (UBC), Adjunct Assistant Professor (2007-2010)

Marc Pinkoski, BA, MA, PhD (UVic), Adjunct Assistant Professor (2007-2010)

Robin Ridington, BA, PhD (Harvard), Adjunct Professor (2006-2009)

Nicolas Rolland, BA, MA, PhD (Cambridge), Adjunct Professor (2006-2009)

Kathryn Stewart, BA, MA, PhD (Toronto), Adjunct Assistant Professor (2007-2010)

Brian Thom, BA, MA, PhD (McGill), Adjunct Assistant Professor (2008-2011)

Emeritus Faculty

William H. Alkire (Professor Emeritus; PhD, Illinois 1965)

Kathleen A. Berthiaume (Assistant Professor Emeritus; PhD, Michigan 1974)

Leland H. Donald, BA (Professor Emeritus; PhD Oregon 1968)

Orville S. Elliott (Assistant Professor Emeritus; PhD, Harvard 1969)

Donald H. Mitchell (Professor Emeritus; PhD, Oregon 1968)

Nicholas Rolland (Professor Emeritus; PhD, Cambridge 1976)

ANTHROPOLOGY PROGRAMS

The Department of Anthropology offers General, Minor, Major and Honours Programs leading to the degree of Bachelor of Arts.

PROGRAM REQUIREMENTS

Honours Program

Students normally apply for entry into the Honours Program at the end of their second year. Applications are made directly to the departmental Honours Adviser.

First Year

- ANTH 100

Second Year

- ANTH 200, 240 and 250, with a minimum combined GPA of 6.5 in these three courses
- Permission of the department for entry into the third-year Honours program

Third and Fourth Years

Students must:

- secure a GPA of at least 6.0 in upper-level Anthropology courses and maintain a cumulative GPA of 5.5 to continue in the program in the fourth year
- fulfill the requirements of the Major Program as listed below, plus an additional 7.5 units as follows:
 - ANTH 316, and 400A or 400B, and 499; and
 - 1.5 units of courses in data analysis techniques, approved by the department; and
 - an additional 1.5 units of 300- or 400-level courses offered by the department.

Honours Graduating Standing

An Honours degree requires:

- a graduating GPA of at least 5.0

- a GPA of at least 5.5 in 300- and 400-level Anthropology courses

Students who do not meet these requirements may opt to receive the Major degree.

Major Program

First Year

- ANTH 100

Second Year

- ANTH 200, 240 and 250

Third and Fourth Years

- **Ethnology:** 1.5 units from ANTH 323, 325, 329, 330, 332, 336, 337, 338, 391, 491
- **Archaeology:** 3 units from ANTH 315, 340, 341, 342, 343, 344, 346, 347, 348, 349, 360, 365, 392, 449, 492
- **Cultural Anthropology:** 3 units from ANTH 301, 302, 304, 305, 306, 307, 308, 310, 312, 315, 335, 365, 393, 405, 406, 410, 419, 420, 493.
- **Physical Anthropology:** 3 units from ANTH 350, 351, 352, 355, 394, 450, 452, 453, 494
- **Method and Theory:** 3 units from ANTH 309, 311, 316, 317, 318, 335, 395, 400A, 400B, 401, 402, 405, 409, 418, 441, 495
- Plus 1.5 additional units from the above courses, or ANTH 396 if not used to satisfy the linguistics requirements
- Plus 1.5 units of Linguistics as offered by the Linguistics department or 1.5 units of ANTH 396

General and Minor Programs

First Year

- ANTH 100

Second Year

- ANTH 200, 240 and 250

Third and Fourth Years

- 9 additional units of Anthropology chosen from courses numbered 300 and above

ANTHROPOLOGY CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Social Sciences is described on page 203. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 46.

The Anthropology Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Anthropology-related positions in the public, private or non-profit sectors. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35.

Admission to the Anthropology Co-op

Entry into the Anthropology co-op program is open to full-time students who are proceeding to an Honours or Major program offered by the department. Those who are taking fewer than 6 units per term should consult with the co-op office. To be considered eligible for the program, students must normally have and maintain a minimum GPA of 5.0 in Anthropology and 5.0 overall.

Students interested in participating in the co-op program should normally apply at the begin-

ning of their second year of studies. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will normally alternate with study terms thereafter.

To continue with the program, students must maintain a minimum GPA of 5.0 in Anthropology and 5.0 overall. To graduate with a Co-operative Education designation, students must satisfactorily complete three work terms. Each work term is recorded on the student's official transcript of academic record (as COM, N/X or F/X). A student may withdraw from the Anthropology co-op program and graduate with the Anthropology BA degree without the co-op designation at any time during an academic term.

Work term credit by challenge, as outlined on page 45, is permitted in the Anthropology co-op program.

Further information concerning the Anthropology co-op program is available from the department and from the Social Sciences Co-operative Education office.

Department of Economics

David Scoones, BSc (UVic), MA, PhD (Queens), Associate Professor and Chair of the Department

Merwan H. Engineer, BA (UBC), MA, PhD (Queen's), Professor

David E. A. Giles, BSc, MCom, PhD (Cant), Professor

Carl A. Mosk, AB (Calif-Berkeley), MS (MIT), PhD (Harv), Professor

Malcolm Rutherford, BA (Heriot-Watt), MA (SFU), PhD (Durh), Professor

G. Cornelis van Kooten, BSc, MA (Alberta), PhD (Oregon State), Professor and Canada Research Chair

Judith A. Clarke, BEc, MEd (Monash), PhD (Cant), Associate Professor

Donald G. Ferguson, BA, MA, PhD (Tor), Associate Professor

Peter W. Kennedy, BCom (NSW), MA, PhD (Queen's), Associate Professor

Alok Kumar, MA (Delhi), MPhil (Delhi), PhD (Queens), Associate Professor

Daniel Rondeau, BA (Sherbrooke), MA (Guelph), MA (Cornell), PhD (Cornell), Associate Professor

Herbert J. Schuetz, BA, MA, PhD (McMaster), Associate Professor

Kenneth G. Stewart, BA (Dal), MSc (Lond), MA, PhD (Mich), Associate Professor

Graham M. Voss, BA (UVic), MA (McMaster), PhD (Queen's), Associate Professor

Linda A. Welling, BA (Mt All), MA (Queen's), PhD (Western), Associate Professor

Pascal Courty, BA, MA (Paris), MA, PhD (Chicago), Assistant Professor

Martin Farnham, BA (Swathmore, PA), MA, PhD (Michigan), Assistant Professor,

Elisabeth Gugl, MA (Karl-Franzens Graz), MA (Rice) PhD (Rice), Assistant Professor

Emma Hutchinson, BEc (La Trobe, Aus), MA, MS, PhD (Michigan), Assistant Professor

Nilanjana Roy, BA, MA (Jadavpur), PhD (Calif-Riverside), Assistant Professor

Paul Schure, MA (Groningen), PhD (EUI, Florence), Assistant Professor

Stephen Hume, BA (Trinity, Connecticut), MA (Tor), Senior Instructor

Christopher Willmore, BSc (Kingston), MPhil (Warwick), PhD (UBC), Senior Instructor

Gerald L. Bluck, BSc (UVic), Senior Analyst

Lori Cretney, BA (UBC), Administrative Officer

Visiting, Adjunct and Cross-listed Appointments

Jen Baggs, BA (Alberta), MA, PhD (UBC), Assistant Professor, Cross-listed with Business (2010-2013)

Lynda Gagné, BA, MA (SFU), PhD (UBC), Assistant Professor, Cross-listed with Public Administration (2010-2013)

Lyndsay Tedds, BA, MA, (UVic), (PhD (McMaster), Assistant Professor, Cross-listed with Public Administration (2010-2013)

Charles K. Harley, BA (Wooster), MA, PhD (Harvard), Adjunct Professor (2009-2011)

Bradley K. Stennes, BSc, MSc, PhD (UBC), Research Economist, Canadian Forest Service, Adjunct Assistant Professor (2010-2015)

Emeritus

Kenneth L. Avio BSc (Ore), MS, PhD (Purdue)

Robert Cherneff, BA (UVic), MA, PhD (Washington)

J. Colin H. Jones, BA (Wales), MA (Montana), PhD (Queen's)

J. Schaafsma, BA, MA (McMaster), PhD (Tor)

John Schofield, BA (Durham), MBA (Indiana), MA, PhD (SFU)

Gerald Walter, BA (Calif-Santa Barbara), MA, PhD (Calif- Berkeley)

ECONOMICS PROGRAMS

The Department of Economics offers General, Minor, Major and Honours programs leading to a Bachelor of Arts, and Major and Honours programs leading to a Bachelor of Science. Both the BA and BSc Programs also offer a Business Option.

Limitation of Enrolment

Students are advised that because of limited staff and facilities, it may be necessary to limit enrolment in certain courses. Course enrolment limits will be listed during registration. Students will be admitted on a first come, first served basis.

PROGRAM REQUIREMENTS

Notes on Course Requirements

1. Mathematics requirements for Major and Honours programs should normally be completed by the end of the second year.

2. The statistics requirements, ECON 245 and 246, or equivalent, for Major or Honours programs should normally be completed by the end of second year and must be completed by the end of third year.

Although the department prefers and recommends ECON 245, STAT 260 can be substituted,

provided the minimum grade requirements specified for ECON 245 are satisfied in STAT 260. Although the department prefers and recommends ECON 246, STAT 261 can be substituted, provided the minimum grade requirements specified for ECON 246 are satisfied in STAT 261. Students seeking admission to the BCom program should be aware that ECON 245 and 246 may be substituted for STAT 252 in satisfying the entry requirements for that program. Applicants to the BCom program who may wish to major in Economics in the event they are not admitted are advised that they should take ECON 245 and 246 rather than STAT 252. STAT 252 cannot be used to satisfy the program requirements for Economics.

3. In the Honours BSc program, a maximum of 6 units of upper-level courses in Mathematics, Computer Science or Statistics may be substituted for upper-level Economics courses with permission of the department.

4. Students wishing to proceed to graduate studies in Economics are advised to include ECON 313, 351, 365, 366, 400, 401, and STAT 350 in their undergraduate program.

5. CSC 105 is intended primarily for students in Economics or the Business School. Students who have completed or are currently registered in ECON 103 and ECON 104 will be given priority; other students will be admitted on an availability basis.

Although the department prefers and recommends CSC 105, CSC 110 may be substituted for CSC 105.

6. ECON 225 is required for all programs in Economics. It should normally be completed by the end of the second year and is a pre- or co-requisite for some 300 and all 400 level courses. No more than 7.5 credit units (5 courses) of upper level Economics courses, completed before 225 is passed, will be counted towards an economics degree. Students are advised that a comprehension and writing test will be given during the first seven calendar days from the start of ECON 225. Students who fail the test will be required to attend supplementary language/writing tutorials that will run parallel with the course.

7. ECON 203 and 204 may be repeated once in order to satisfy minimum grade requirements or to pass these courses.

BA Program Requirements

BA Honours

1. ECON 103 and 104, with normally a GPA of at least 5.5 in the two courses and at least a B in each course
2. MATH 100 or 102 (see Note 1)
3. CSC 105 (see Note 5)
4. 1.5 units of first-year English
5. 1.5 units of a Social Sciences course (other than a course in statistics or quantitative methods or ES 312) outside Economics; or PHIL 220 or PHIL 223
6. ECON 203, 204, and 225, with normally at least a B+ in each course (see Note 6).
7. ECON 245 and 246, with at least a B in 245 and at least a B- in 246
8. ECON 313 or 400, normally at least a B+
9. One of ECON 314, 333, 401
10. One of ECON 321, 327, 328, 337, 338, 407, 421
11. ECON 345 or 365
12. ECON 499

13. 12 units of Economics courses numbered 300 and above.

14. 3.0 units of senior-level course work in a subject or subjects other than Economics

Also see Other Requirements for BA and BSc Honours Programs, below.

BA Major

1. ECON 103 and 104
2. MATH 100 or 102 (see Note 1)
3. 1.5 units of first-year English
4. 1.5 units of a Social Sciences course (other than a course in statistics or quantitative methods or ES 312) outside Economics; or PHIL 220 or PHIL 223
5. ECON 203 and 204, with a GPA of at least 3.0 in the two courses and at least a C in each course, and 225 (see Note 6).
6. ECON 245 and 246, with at least a C+ in 245 (see Note 2)
7. ECON 313
8. One of ECON 321, 327, 328, 337, 338, 407, 421
9. ECON 345 or 365
10. 10.5 units of Economics courses numbered 300 and above

BA General or Minor

ECON 103 and 104, 1.5 units of first-year English, ECON 225, and 9 units of Economics courses numbered 300 and above. Students completing a Major in a writing-intensive field may apply to the Economics Adviser to have the ECON 225 requirement waived.

BSc Program Requirements

BSc Honours

1. ECON 103 and 104, with normally a GPA of at least 5.5 in the two courses and at least a B in each course
2. MATH 102, and 208 or 140; or MATH 100 and 208 or 140; or MATH 100, 101, 200, and 110 or 211 (see Note 1)
3. 1.5 units of first-year English
4. 1.5 units of a Social Sciences course (other than a course in statistics or quantitative methods, or ES 312) outside Economics; or PHIL 220 or PHIL 223
5. ECON 203, 204, and 225, with normally at least a B+ in each course
6. CSC 105 (see Note 5)
7. Econ 245 and 246, with normally at least a B in 245 and at least a B- in 246
8. ECON 350 and 313, with normally at least a B+ in each course
9. ECON 351 and 353
10. ECON 365 and 366
11. ECON 400 and 401
12. Two of ECON 435, 450, 451, 452, 453, 454, 456, or 468
13. ECON 499
14. an additional 3.0 units of Economics courses numbered 300 and above
15. 3.0 units of senior level coursework in a subject or subjects other than Economics

BSc Major

1. ECON 103 and 104
2. MATH 102, and 208 or 140; or MATH 100 and 208 or 140; or MATH 100, 101, 200, and 110 or 211 (see Note 1)
3. CSC 105

4. 1.5 units of first-year English
5. 1.5 units of a Social Sciences course (other than a course in statistics or quantitative methods, or ES 312) outside Economics; or PHIL 220 or PHIL 223
6. ECON 203 and 204, with a GPA of at least 3.0 in the two courses and at least a C in each course, and 313
7. ECON 245 and 246, with at least a C+ in 245 (see Note 2)
8. ECON 225 (see Note 6).
9. ECON 350 and 351, with at least a C+ in 350
10. ECON 353
11. ECON 345 or 365
12. At least one of ECON 435, 450, 451, 452, 453, 454, 456, or 468
13. An additional 6.0 units of Economics courses numbered 300 and above

Double Major Programs

Students seeking a Double Major with another discipline in which a BSc designation is offered will receive a BSc only if the Economics BSc requirements have been satisfied.

Other Requirements for BA and BSc Honours Programs

Admission to an Honours program is determined at the end of third year and normally requires at least a B+ in each of ECON 203, 204, 225, 313, and for the BSc, 350 and 365. Application is to the Honours Adviser. Honours students are required to:

1. maintain a GPA of at least 6.0 in upper level courses taken within the department;
2. complete ECON 499 and an Honours thesis in their fourth year.

Minors

The rules governing minors are determined by the faculty; those relating to the Faculty of Social Sciences are given on page 203.

Minor in Economic Policy

The program comprises four required courses (6.0 units) and six elective courses (9.0 units) drawn from a specified set of policy-oriented courses.

The program is described by the required and elective courses which are listed below according to the year in which it is recommended that students take them. The only other requirements are the general University requirements.

Note that required or corequisite courses at the 200 level or higher in other programs or options may not be counted towards the minor.

Year 1 (2 courses)

- ECON 113
- plus at least one of
- ECON 100
- ECON 111
- ECON 112

Year 2 (3 courses)

- ECON 103
- ECON 104
- ECON 225

Year 3 or 4 (5 courses)

- At least four courses drawn from
- ECON 305
 - ECON 306

- ECON 310A
- ECON 310B
- ECON 311A
- ECON 311B
- ECON 312
- ECON 317
- ECON 320
- ECON 325
- ECON 339
- ECON 381
- ECON 382
- ECON 410A*

plus one further course drawn from the list above, or one of

- ANTH 405
- POLI 344
- POLI 350 (cross-listed as ADMN 311)
- POLI 351
- POLI 364
- POLI 365
- POLI 366
- ADMN 311 (cross-listed as POLI 350)
- ADMN 420

or one other policy-oriented course in another department, subject to the approval of the Department of Economics.

** This course is highly recommended, but students should be aware that it has prerequisites beyond those included in the Minor. Consult the ECON 410A calendar entry for the details.*

BA or BSc Major and Honours (Business Option) Requirements

This program is intended for students who wish to supplement studies in Economics with studies in Business. Students must satisfy the requirements of their BA or BSc program, and take the following program:

- COM 220
- COM 240
- COM 250
- COM 270*

** COM 202 may be substituted for COM 270 if space is available in COM 202.*

Students may take additional courses in the Faculty of Business by single course application to the Business Student Services Office, subject to the availability of courses.

BA or BSc Major and Honours (Finance Option) Requirements

This program is intended for students who wish to supplement studies in Economics with studies having a focus on Finance. Students must satisfy the requirements of their BA or BSc program, and include five of the following courses.

- | | |
|-----------|--|
| ECON 305 | Money and Banking |
| ECON 405B | International Monetary Theory and Policy |
| ECON 406 | Monetary Economics |
| ECON 435 | Financial Economics |
| ECON 452 | Information and Incentives |
| ECON 454 | Theory of Corporate Finance |
| ECON 468 | Financial Econometrics |
| COM 240 | Management Finance |
| COM 425 | Taxation for Managers |
| COM 445 | Corporate Finance |

- | | |
|----------|--|
| IB 417 | International Finance |
| MATH 242 | Mathematics of Finance |
| MATH 348 | Numerical Methods with Applications to Finance and Economics |
| MATH 477 | Stochastic Financial Modelling |

Students must take at least one of ECON 435 and 454.

Students can complete both the Business and Finance Options. COM 240 can be used towards both options, although students should note that COM 240 has pre- or corequisites.

Combined Major: Financial Mathematics and Economics

This is a single degree program leading to a BSc in Financial Mathematics and Economics. Only a Major program is offered. Students are required to take a selected combination of courses from the Department of Mathematics and Statistics and the Department of Economics.

First Year

CSC 110, 115.....	3.0
ECON 103, 104.....	3.0
MATH 100, 101, 122.....	4.5
First year English.....	1.5
Electives.....	3.0

Second Year

COM 240, 270.....	3.0
ECON 203, 204, 225.....	4.5
MATH 200, 201, 211.....	4.5
STAT 260, 261.....	3.0

Third Year

ECON 305, 313, 365, 366, 435.....	7.5
MATH 348, 352, 377.....	4.5
STAT 350, 450.....	3.0

Fourth Year

ECON 454, 468.....	3.0
MATH 452, 477.....	3.0
STAT 457.....	1.5
Electives.....	7.5

Term Abroad

Students have the opportunity to spend a term, or a full academic year, abroad through an exchange program. The department has student exchange agreements with the City University of Hong Kong and Bocconi University (Italy). These exchanges are restricted to students who have declared a degree program in Economics. The university has additional exchange agreements with institutions in 20 countries that are open to Economics students.

The program with **City University of Hong Kong** is available to undergraduate students, particularly those with an interest in financial economics or management science (e.g. operations research, statistical quality control, and project management). City U's courses are offered in English.

The program with **Bocconi University** is available to undergraduate and graduate students who have a strong academic record, particularly those with an interest in economic theory, fi-

nance, or financial intermediation. Bocconi offers several courses in English.

Applications for all exchange programs are made through the International and Exchange Student Services Office <iess.uvic.ca>. The application deadline is mid-January of each year for an exchange to take place in the subsequent academic year. Interested students must contact the department's exchange coordinator as well as the International and Exchange Student Services before applying for an exchange.

ECONOMICS CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Social Sciences is described on page 203. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 46.

The Economics Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Economics-related positions in the public, private or non-profit sectors. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35.

Admissions to the Economics Co-op

Entry into the Economics co-op program is open to full-time students (those taking 6 or more units per term) who are proceeding to an Honours or Major program offered by the department. To be considered for admission to the program, students must normally have a minimum GPA of 4.5 overall as well as a minimum GPA of 4.5 in ECON 103, ECON 104, ECON 225, and ECON 245 with a grade of not less than B- in any one of these courses. A grade of not less than B- is required in CSC 105.

Students interested in participating in the co-op program should normally apply at the beginning of their second year of studies. Students planning to select the co-op education option should plan to complete the prerequisite courses outlined above by no later than their third full-time academic semester. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will alternate with study terms thereafter.

To continue with the program, students must maintain a minimum GPA of 4.5 in Economics and 4.5 overall. To graduate with a Co-operative Education designation, students must satisfactorily complete three work terms. Each work term is recorded on the student's official transcript of academic record (as COM, N/X or F/X). A student may withdraw from the Economics co-op program and graduate with the Economics BA or BSc degree without the co-op designation at any time during an academic term.

Work term credit by challenge, page 45, is permitted in the Economics co-op program.

Further information concerning the Economics co-op program is available from the department and from the Social Sciences Co-operative Education office.

School of Environmental Studies

Eric S. Higgs, BSc, MA (Waterloo), PhD (Waterloo), Professor

Trevor Lantz, BA (Alberta), MA (UVic), PhD (UBC), Assistant Professor

Michael M'Gonigle, MSc (London School Econ), LLB (Tor), LLM, JSD (Yale), Professor

Karena Shaw, BA (Calif-Santa Cruz), MA, PhD (Johns Hopkins), Associate Professor

Brian Starzomski, BSc (St. Francis Xavier), MSc (Acadia), PhD (UBC), Assistant Professor

Duncan M. Taylor, BA (Queen's), PhD (Calif-Santa Cruz), Assistant Professor

Nancy J. Turner, BSc (Hon) (UVic), PhD (UBC), Professor

John Volpe, BSc, MSc (Guelph), PhD (UVic), Associate Professor

Wendy Wickwire, B.Mus (Western), MA (York), PhD (Wesleyan), Associate Professor

Valetin Schaefer, BSc (McGill), MSc (Tor), PhD (SFU), Academic Administrator, Restoration of Natural Systems

Brenda Beckwith, BA, MSc (Calif State), PhD (UVic), Senior Laboratory Instructor

Lori Erb, Senior Administrative Support

Elaine Hopkins, Graduate Secretary / Administrative Support

Visiting, Adjunct and Cross-listed Appointments

Pamela Asquith, BA (York), PhD (Oxford), Adjunct Professor

E. Richard Atleo, BA, MEd, PhD (UBC), Adjunct Associate Professor

Brenda Beckwith, BA, MSc (Calif State), PhD (UVic), Adjunct Assistant Professor

Conrad Brunk, BA (Wheaton), MA, PhD (Northwestern), Cross-Listed Professor

Lori Daniels, BSc (Man), MSc (UBC), PhD (Man), Adjunct Assistant Professor

Douglas Deur, BSc (Ore), MA (SFU), MA, PhD (Louisiana State), Adjunct Associate Professor

Alan Drengson, BA, MA (Washington), PhD (Oregon), Adjunct Professor

Donald Eastman, BSc (UBC), MSc (Aberdeen), PhD (UBC), Adjunct Associate Professor

Brian Egan, BSc (UVic), MES (York), PhD (Carleton), Adjunct Assistant Professor

Jenny L. Feick, BSc (Calgary), ME Des (Calgary), PhD (Calgary), Adjunct Assistant Professor

Robert Gifford, BA (Calif), MA, PhD (UBC), Professor (Psychology), Cross-Listed Professor

Purnima Govindarajulu, BSc, MSc (McGill), PhD (UVic), Adjunct Assistant Professor

Robin Gregory, BA (Yale), MA, PhD (UBC), Adjunct Associate Professor

Richard Hebda, BSc (McMaster), PhD (UBC), Adjunct Associate Professor

Leif-Matthias Herborg, BSc (U of Wales), PhD (Newcastle), Adjunct Assistant Professor

Thomas Heyd, BA, MA (Cal), PhD (Western), Adjunct Assistant Professor

Bryce Kendrick, BSc, PhD, DSc (Liverpool), Adjunct Professor

Nancy Mackin, BA (Ont) BArch, MArch, PhD (UBC), Adjunct Assistant Professor

Thomas Okey, BSc (St. Lawrence), MSc (Moss Landing), PhD (UBC), Adjunct Assistant Professor

Briony Penn, BA (UBC), PhD (Edinburgh), Adjunct Assistant Professor

Peter Stephenson, PhD (Toronto), Cross-Listed Professor

Hanns Tammemagi, PhD (Australia N.U.), Adjunct Assistant Professor

Sandy Wyllie-Echeverria, BA (Calif State), PhD (Brigham Young), Adjunct Associate Professor

ENVIRONMENTAL STUDIES PROGRAMS

Degree Programs

The School of Environmental Studies offers an interdisciplinary program, with courses that examine systemic aspects of environmental issues and explore solutions that cut across the boundaries of traditional disciplines. There is also the recognition that many aspects of local, national and international environmental problems are inextricably connected to our dominant cultural values, and attendant political, social, economic and educational institutions.

The intellectual strength of the School is supported by three distinctive, interdisciplinary research specialties: ethnoecology, ecological restoration and political ecology. Each professor in the School typically has a primary and at least one secondary specialty, which creates an even richer interdisciplinary setting. These specialties infuse the undergraduate curriculum, provide the primary subject areas for graduate studies and define the research activities of the School's academic staff. Each of these three specialties corresponds to a theme, and together these form the motto of the School: Respect, Restore, Sustain (matching ethnoecology, restoration and political ecology, respectively).

Students are required to combine studies in a traditional discipline with their Environmental Studies program in order to obtain a degree notation that includes Environmental Studies. Students undertake the Major in Environmental Studies together with a Major in another department (a Double Major, see Major Program, page 202) or a Major with an Honours Program (Honours/Major, see Honours Program, page 201) or a Major in another faculty (see Interfaculty Joint Honours and Major, page 202). These programs lead to either a BA or a BSc degree. A General Program leading to a BA is also offered. By completing the requirements for the General Program together with a Major or Honours Program in another department or faculty, students may obtain a Minor in Environmental Studies (see Minor Program, page 203).

Students considering a Major, Minor or General Program in Environmental Studies must take the introductory course, ES 200 (Introduction to Environmental Studies), unless they have already completed ES 300A. It is suggested that students declare their intention to enrol in Environmental Studies by the end of their second year of study.

Many eligible courses in Environmental Studies are 300 and 400 level with prerequisites; students

should therefore plan early to incorporate these prerequisites into their schedule and should be aware of the minimum grade requirement for the programs: a B- in ES 200.

When choosing electives, students are also encouraged to include courses in languages and in areas other than those in which the student is majoring; e.g., a student majoring in Sciences, should choose electives from the Social Sciences or Humanities.

Diploma in the Restoration of Natural Systems

A Diploma in the Restoration of Natural Systems is also offered in co-operation with the Division of Continuing Studies. Students are admitted to the Diploma Program on the recommendation of the faculty Coordinator and/or Chair of the Program Steering Committee. Contact Continuing Studies for details. For a description of the Diploma program, see page 225.

Limitation of Enrolment

Students are advised that because of restricted facilities and staff, it may be necessary to limit enrolment in certain Environmental Studies courses. Access will be determined in the first instance by strict adherence to prerequisites. Preference is given to students completing Major and Minor degree programs in Environmental Studies. Academic standing may be taken into account in determining enrolment in third- and fourth-year courses.

PROGRAM REQUIREMENTS

Course Prerequisites

Students are advised of the following prerequisites:

- ES 200 or 300A is a prerequisite for all other ES courses
- ES 240 or BIOL 215 is a prerequisite for ES 341
- ES 301, 321 and 341 are prerequisites for many fourth-year courses
- BIOL 190A and 190B are prerequisites for BIOL 215, ES 344 (BIOL 330) and ES 348
- STAT 255 or 260 is a prerequisite for ES 344 (BIOL 310)
- ECON 103 is a prerequisite for ES 312 (ECON 381)

Major Program

The Major program requires:

1. Completion of another Major or Honours program in the Faculties of Social Sciences, Science, or Humanities (only a Double Major or Honours/Major program is available). In consultation with the Director, students may apply for the Interfaculty Double Major (on page 202) which involves completing the Major in Environmental Studies and the appropriate degree program in another faculty.
2. A minimum grade of B- in ES 200 or 300A, or permission of Director, is required for entry to the Major program in Environmental Studies.
3. 1.5 units in quantitative concepts and methods will be required. To fulfill this requirement, both Majors and Minors need to take ES 240 or BIOL 215.
4. A minimum of 15 upper-level Environmental Studies units selected as follows:
 - i) 4.5 units of upper-level core courses to be taken in the third and fourth years, including:

- ES 301 (1.5)
- ES 321 (1.5)
- ES 341 (1.5)
- ii) 10.5 additional units chosen by the student
 - Although they are no longer offered, the following courses can also be used: ES 300B, 350, 352, 353, 400A-D, 410, 416, 420, 422, 424, 426, 432, 450.

Up to 4.5 units of upper-level courses from other departments and schools may be chosen. The following are examples of approved courses:

- **Sciences**
 - BIOC 300A and 300B (3.0) General Biochemistry
 - EOS 311 (1.5) Biological Oceanography
 - BIOL 408 (1.5) The Biology of Pollution
 - CHEM 302 (1.5) Industrial Chemistry with Special Reference to Air Pollution
 - CHEM 303 (1.5) Industrial Chemistry with Special Reference to Water Pollution
 - PHYS 310A (1.5) Physics and Technology of Energy
- **Social Sciences**
 - ANTH 304 (1.5) Technology in Culture
 - ECON 430A (1.5) Natural Resource Economics
 - ECON 430B (1.5) Topics in Natural Resource Economics
 - GEOG 450 (1.5) Decision Making in Resource Management
 - GEOG 457 (1.5) (formerly 459A and B) Protected Areas: Management Challenges
 - POLI 357 (1.5) The Politics of Environmental and Natural Resource Policy
 - PSYC 350 (1.5) Environmental Psychology
 - SOCI 465 (1.5) Environmental Sociology
- **Humanities**
 - GRS 376 (1.5) Ancient Science and Technology
 - HIST 396 (1.5) Special Topics in the History of Science
 - PHIL 332 (1.5) Philosophy and Technology
- **Education**
 - EDCI 468 (1.5) Environmental Issues Education
 - SNSC 373 (1.5) Environmental Education

Note: None of the courses selected in 4(i) and 4(ii) will be counted toward the Environmental Studies Major if they are declared as part of the outside Major or Honours requirements.

General and Minor Programs

1. A minimum grade of B- in ES 200 or 300A, or permission of Director, is required for entry to the General program in Environmental Studies.
2. ES 200 and ES 240 are requirements for this program.
3. 4.5 units of upper-level Environmental Studies core courses:
 - ES 301 (1.5)
 - ES 321 (1.5)
 - ES 341 (1.5)
4. 4.5 units of upper-level Environmental Studies courses chosen by the student
 - Although they are no longer offered, the following courses may be used to meet this requirement: ES 300B, 310, 350, 352, 353, 400A-D, 410, 416, 420, 422, 424, 426, 432, 450.

ENVIRONMENTAL STUDIES CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Social Sciences is described on page 203. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 46.

The Environmental Studies Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Environmental Studies-related positions in the public, private or non-profit sectors. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35.

Admissions to the Environmental Studies Co-op Program

Entry into the Environmental Studies co-op program is open only to full-time students (those taking 6 or more units per term) who are proceeding to the Major program offered by the School of Environmental Studies. To be considered for admission to the program, students normally require a minimum cumulative GPA of 5.0.

Students interested in participating in the co-op program should normally apply in their second year of studies. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will normally alternate with study terms thereafter.

To continue with the program, students must maintain a minimum GPA of 5.0 in Environmental Studies and 5.0 overall. To graduate with a Co-operative Education designation, students must satisfactorily complete three work terms. Each work term is recorded on the student's official transcript of academic record (as COM, N/X or F/X). A student may withdraw from the Environmental Studies co-op program at any time during an academic term and proceed to graduate with a regular Environmental Studies Major or Minor program without the co-op designation.

Work term credit by challenge, page 45, is permitted in the Environmental Studies co-op program.

Further information concerning the Environmental Studies co-op program is available from the School of Environmental Studies or the Social Sciences Co-operative Education office.

DIPLOMA IN THE RESTORATION OF NATURAL SYSTEMS

The Restoration of Natural Systems is a diploma program offered by the School of Environmental Studies in co-operation with the Division of Continuing Studies.

The Diploma requires 18 units of course work. It may be taken on a full-time basis (two years required for completion) or on a part-time basis (with a limit of six years). Students are admitted to the Diploma Program on the recommendation of the faculty Coordinator and/or the Chair of the Program Steering Committee.

Normally, admission to the Diploma program will require completion of a minimum of two years of university transfer credit with the required standing for University admission, and is also available to post-baccalaureate students. Background preparation that includes basic sciences (biology, chemistry and physical geography) is strongly recommended, and may be considered in competitive admission. The preparation of each student is assessed on entry, and additional lower-level courses may be required.

Courses are offered at the third-year level and include offerings cross-listed with regular third-year UVic courses. Students should anticipate standards of written work and examinable material at this level. To remain in the program, and to graduate, diploma candidates must maintain a GPA of 4.0.

Credit obtained within the Restoration of Natural Systems Diploma may be transferable to a regular degree program. However, such transferability of credit is always subject to the specific requirements of the degree program.

Up to 4.5 units of ER courses (in addition to the ES and RNS cross-listed courses) may be applied to an Environmental Studies Major.

Please see the Continuing Studies Calendar for information on the Certificate option in the Restoration of Natural Systems.

Enrolment in the Diploma Program is limited.

Diploma Program Requirements

ER = Environmental Restoration; ES = Environmental Studies

1. 7.5 units of required courses:

ER 311 (ES 352 or 341)	1.5
ER 312A	1.5
ER 312B	1.5
ER 313 (ES 318 or 348)	1.5
ER 314	1.5

2. 9.0 units selected from the following courses (1.5 units each): ER 325, 326, 327, 328, 329, 331, 332, 334, 335A, 335B, 336, 338, 352, 411)

3. The following courses:

ER 390 (1.5)	Environmental Restoration Project
ER 400 (0)	Seminar in Environmental Restoration

Department of Geography

Philip Dearden, BA (Birm), MSc (MUN), PhD (UVic), Professor and Chair of the Department
Mark S. Flaherty, BES (Wat), MA (Guelph), PhD (McMaster), Professor

Michael Hayes, BA, MSc, PhD (McMaster), Professor and Director, Health Education and Research Centre

C. Peter Keller, BA (Dub), MA, PhD (WOnt), Professor and Dean of Social Sciences

Stephen C. Lonergan, BSc (Duke), MA, PhD (Penn), Professor

Lawrence D. McCann, BA (UVic), MA, PhD (Alta), Professor

K. Olaf Niemann, BSc (Queen's), MSc, PhD (Alta), Professor

Aleck S. Ostry, BSc, MSc (UBC), MA (SFU), PhD (UBC), Professor (Canada Research Chair)

Dan J. Smith, BES, MA (Wat), PhD (Alta), Professor

S. Martin Taylor, BA (Bristol), GCE (Leeds), MA, PhD (UBC), Professor and President and CEO of Ocean Networks Canada

Rosaline Canessa, BSc (McGill), MSc (Heriot-Watt), PhD (UVic), Associate Professor

Maycira Costa, HBSC (Rio Grande), MSc (Nat Inst for Space Research), PhD (UVic), Associate Professor

Denise S. Cloutier-Fisher, BSc (Calg), MA, PhD (Guelph), Associate Professor

David Duffus, BSc, MSc (Regina), PhD (UVic), Associate Professor

Jutta Gutberlet, BA (Estadual de Sao Paulo), MA, PhD (Tubingen), Associate Professor

Dennis E. Jelinski, BSc (Brandon), MSc (Calg), PhD (SFU), Associate Professor

Trisalyn Nelson, BSc, MSc (UVic), PhD (WLU), Associate Professor

Ian Walker, BSc (Tor), PhD (Guelph), Associate Professor

Terri Lacourse, BA, MA (Ottawa), PhD (SFU), Assistant Professor

Reuben Rose-Redwood, BA (U of Virginia), MS, PhD (Penn), Assistant Professor

Teresa Dawson, BA, MA (Oxford), MA (McMaster), Senior Instructor and Director, Learning & Teaching Centre

Ian J. O'Connell, BA, MA (Cork), PhD (UVic), Senior Instructor

John Fowler, BSc (Nfld), MSc (UVic), Senior Laboratory Instructor

Catherine Steckler, BSc, MSc (UVic), Senior Laboratory Instructor

Richard Sykes, BSc, MSc (UVic), Systems Administrator

Philip M. Wakefield, BSc, MA (UVic), PhD (Cantab), Laboratory Supervisor and Undergraduate Adviser

Visiting, Adjunct, Cross-listed and Limited Term Appointments

René I. Alfaro, BSc (U of Chile), MSc, PhD (SFU), Adjunct Professor (2009-2012)

Spyros Beltaos, Dipl. Eng. (Nat. Technical), MSc, PhD (Alta), Adjunct Professor (200-2012)

Barry E. Boots, BA (Bristol), MA, PhD (Rutgers), DSc (Bristol), Adjunct Professor (2008-2011)

Allan L. Carroll, BSc (SFU), PhD (UNB), Adjunct Professor (2010-2013)

John J. Clague, AB (Occidental College), MS (U of Calif), PhD (UBC), Adjunct Professor (2009-2012)

Leslie T. Foster, BSc (Lond), MA, PhD (Tor), Adjunct Professor (2009-2012)

Hugh D. French, BA, PhD (Southampton), Adjunct Professor (2010-2013)

James S. Gardner, BSc (Alta), MSc, PhD (McGill), Adjunct Professor (2009-2012)

John J. Gibson, BSc (Tor), MSc, PhD (Wat), Professor, Limited Term (2007-2012)

Jim F. R. Gower, BA, PhD (Cambridge), Adjunct Professor (2009-2012)

Joji Iisaka, BSc, MSc (Rittkyo), PhD (Tokyo), Adjunct Professor (2008-2011)

Leslie A. King, BA (UBC), MEd (Tor), MES (York), PhD (Lond), Adjunct Professor (2009-2012)

Theodore McDorman, BA (Tor), LLB, LLM (Dal), of the Bar of Nova Scotia, Professor (Law) (2009-2012)

Terry D. Prowse, BES (Wat), MSc (Trent), PhD (Cant), Professor, Limited Term (2010-2014)

Nancy Turner, BSc (UVic), PhD (UBC), Professor (Environmental Studies) (2008-2011)

G. Cornelis van Kooten, BSc, MA (Alta), PhD (Oregon State), Professor (Economics) (2008-2011)

Frederick J. Wrona, BSc, PhD (Calg), Professor, Limited Term (2010-2014)

Stephanie E. Chang, BSE (Princeton), MS, PhD (Cornell), Adjunct Associate Professor (2008-2011)

Habib Chaudhury, BArch (Bangladesh), MSArch (Texas A&M), PhD (Wisc) Adjunct Associate Professor (2008-2011)

Stephen F. Cross, BSc, MSc (UVic), PhD (Stirling), Associate Professor, Limited Term

Ellen Hines, BA (Mills College), MA (San Diego), PhD (UVic), Adjunct Associate Professor (2009-2012)

Richard S. Mackie, MA (St. Andrews), MA (UVic), PhD (UBC), Adjunct Associate Professor (2008-2011)

Douglas G. Maynard, BA, MSc (UBC), PhD (Sask), Adjunct Associate Professor (2008-2011)

William M. McGill, BSc (McGill), PhD (UBC), Adjunct Associate Professor (2009-2012)

Brian P. Menounos, BA, MA (Colorado), PhD (UBC), Adjunct Associate Professor (2009-2012)

Christopher M. Pearce, BSc (UNB), MSc (Dal), PhD (Lav), Adjunct Associate Professor (2009-2012)

Clifford Robinson, BSc (UVic), MSc (Alta), PhD (UBC), Adjunct Associate Professor (2008-2011)

Rick Rollins, BSc (Alta), BA (UVic), MSc (Ore), PhD (Wash), Adjunct Associate Professor (2009-20012)

Goetz Schuerholz, Dip (Freiburg), MSc (UBC), PhD (Freiburg), Adjunct Associate Professor (2008-2011)

Eileen Van der Flier-Keller, BA (Dub), PhD (W Ont), Associate Professor (Earth and Ocean Sciences) (2009-2012)

Stephen A. Wolfe, BSc (Car), MSc (Queen's), PhD (Guelph), Adjunct Associate Professor (2009-2012)

Barrie R. Bonsal, BSc, MSc, PhD (Sask), Adjunct Assistant Professor (2009-2012)

Charles Burnett, BSc (U of A), MSc (UVic), PhD (Turku), Adjunct Assistant Professor (2010-2013)

Jon M. S. Corbett, BA (Newcastle), MSc (Oxford), PhD (UVic), Adjunct Assistant Professor (2008-2011)

Yonas Dibike, BSc (AWTI), MSc (IHE), PhD (Delft) Adjunct Assistant Professor (2010-2013)

Christopher A. Houser, BSc, MSc (Guelph), PhD (Tor), Adjunct Assistant Professor (2009-2012)

Sophia C. Johannessen, BSc (UBC), PhD (Dal), Adjunct Assistant Professor (2009-2012)

Trudy A. Kavanagh, BA (York), MSc (Tor), BEd (Ottawa), PhD (UWO), Adjunct Assistant Professor (2008-2011)

Preston McEachern, BSc (Tor), MSc (Missouri), PhD (Alta), Adjunct Assistant Professor (2010-2013)

Grant Murray, BA (Tufts), MEM (Duke), PhD (U Mich), Adjunct Assistant Professor (2009-2012)

Roberta Parish, BSc (McGill), MSc (Calgary), PhD (UBC), Adjunct Assistant Professor (2010-2013)

Daniel L. Peters, BSc (Concordia), MSc, PhD (Trent), Assistant Professor, Limited Term (2008-2011)

CindyAnn Rose-Redwood, BA (CUNY), MS, PhD (Penn), Senior Instructor, Limited Term (2009-13)

Eleanor M. Setton, BA (UBC), MSc, PhD (UVic), Adjunct Associate Professor (2010-2013)

Tara E. Sharma, BSc, MSc (Gujarat), PhD (UBC), Adjunct Assistant Professor (2008-2011)

Neville N. Winchester, BSc, MSc, PhD (UVic), Adjunct Assistant Professor (2008-2011)

Michael Wulder, BA (Calg), ME Des, PhD (Wat), Adjunct Assistant Professor (2008-2011)

Yi Yi, BSc, MSc (Wuhan), PhD (Wat), Adjunct Assistant Professor (2009-2012)

Mark Zacharias, BSc, MSc (UVic), PhD (Guelph), Adjunct Assistant Professor (2009-2012)

GEOGRAPHY PROGRAMS

The Geography department offers General, Minor, Major and Honours programs leading to BA and BSc degrees. The department also offers combined programs in Geography and Earth Sciences and in Geography and Computer Science (Geomatics) leading to a BSc Major or Honours. Information about course combinations suited to specific professional objectives and graduate programs is available from the department.

Transfer Credit from Camosun College

Students who have successfully completed (with a GPA of 5.0 [70%]) Camosun College's Diploma in Environmental Technology may apply for block transfer credit to the BSc Major program in Geography. Students will be allowed to transfer credit of 30 units. Students may apply to the Geography Co-op program (see Admission to the Geography Co-op Program). To obtain a BSc Major students must complete the following course requirements: Two of GEOG 358, 370, 373, 376; two of GEOG 319, 322, 323, 325, 329; two of GEOG 418, 420, 422, 424, 428, 474, 475, 476, 477; 6.0 additional units of 300 or 400 level Geography courses; and 15.0 units of electives.

Academic Advising

Students with questions specific to their involvement in any of the departmental programs or courses may arrange to meet with a Geography Undergraduate Adviser through the Geography General Office in the Social Studies and Math Building, Room B303. Arrangements to meet with the Geography Honours Adviser may also be made through the Geography General Office. Arrangements to meet with an Academic Adviser may be made through the Advising Centre for Humanities, Social Sciences and Science, A205, University Centre.

Limitation of Enrolment

Students are advised that because of limited facilities and staff it may be necessary to limit enrolment in certain Geography courses.

PROGRAM REQUIREMENTS

Notes on Course Requirements

1. All departmental and course prerequisites will be strictly enforced.
2. Both STAT 255 or STAT 260 are suitable substitutes for GEOG 226. Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography Undergraduate Adviser before registering in GEOG 226 (see page 32).
3. Access to 300- and 400-level Geography courses is restricted to students with at least third-year standing unless otherwise specified under individual course descriptions. The department reserves the right to limit the number of upper-level courses taken by a student after completion of the minimum number of courses required by their degree programs.

HONOURS PROGRAM (BA AND BSc)

Graduating with Honours entails meeting more stringent GPA requirements than the Major degree as well as successfully completing a thesis project in the form of two 1.5 unit courses, (GEOG 499A and 499B) supervised by a faculty member in the Department of Geography and presented and defended in an oral examination. Students interested in the Honours program should contact potential thesis supervisors well before the deadline for applying to the program. Students must complete the requirements for either the BA Major or the BSc Major Program as well as GEOG 499A and 499B.

Application to the Honours program must be made by March 15 preceding the student's final full year of undergraduate studies. Prospective Honours students must submit an application form available from the General Office of the Department of Geography (SSM B203). Successful applications include a written agreement from a faculty member in the department to serve as thesis supervisor, and an overall GPA of at least 6.0 and a GPA of 6.0 for all courses taken in third-year based on a minimum of 12 units of course work for that year.

Honours Graduation Standing

An Honours degree requires:

1. a graduating GPA of at least 3.5
 2. a GPA of at least 3.5 in 300- and 400-level Geography courses.
 3. a grade of at least B- in GEOG 499
- Students who do not meet these requirements may opt to receive the Major degree.

MAJOR PROGRAM

BA Major Program

First Year	
GEOG 101A and 101B	3.0
GEOG 110 or 120	1.5
Courses from the Faculty of Social Sciences other than Geography.....	3.0

Electives	7.5
Total Units:	15.0

Second Year

GEOG 226 (see Note 2 under Course Requirements)	1.5
At least two courses from GEOG 209, 211, 218	3.0
GEOG 222, 228	3.0
Course from the Faculty of Social Sciences other than Geography	1.5
Electives.....	6.0
Total Units:	15.0

Third and Fourth Years

At least six courses from GEOG 306, 314, 319, 322, 323, 324, 325, 327, 328, 329, 340, 343, 346, 347B, 352, 353, 355, 357, 366, 371, 382, 383, 386, 388	9.0
At least two courses from GEOG 418, 420, 422, 428, 430, 438, 439, 440, 441, 448, 450, 453, 457, 486	3.0
Two upper-level Geography courses	3.0
Electives	15.0
Total Units:	30.0

Concentrations

The Department of Geography offers concentrations in the following areas: Coastal Studies, Geomatics, Resource Management, and Urban and Development Studies. Students complete the required courses noted below within the Bachelor of Arts, Major and Honours programs:

Concentration in Coastal Studies:

GEOG 209, 352, 353, 355, 430; and two of 420, 424, 438, 439, 453, 457, 474.

Concentration in Geomatics:

Four courses from GEOG 319, 322, 323, 325, 328, 329; and two courses from 418, 420, 422, 428.

Concentration in Resource Management:

GEOG 209; four courses from 314, 352, 353, 356, 357, 371; and two courses from 430, 438, 450, 453, 457.

Concentration in Urban and Development Studies:

GEOG 211 and 218; four courses from 327, 340, 343, 346, 347B, 355, 386; and two courses from 440, 441, 448.

BSc Major Program

First Year

GEOG 101A, 101B, 110, 120	6.0
MATH 100 or 102.....	1.5
100- or 200-level courses from the Faculties of Science or Engineering (excluding MATH 120)	3.0
Electives.....	4.5
Total Units:	15.0

Second Year

GEOG 222, 226 and 228 (see Note 2 under Course Requirements)	4.5
At least two courses from GEOG 272, 274, 276	3.0
100- or 200-level courses from the Faculties of Science or Engineering (excluding MATH 120)	3.0
Electives	4.5
Total Units:	15.0

Third and Fourth Years

At least two courses from GEOG 319, 322, 323, 325, 328, 329	3.0
At least two courses from GEOG 358, 370, 373, 376	3.0
At least two courses from GEOG 418, 420, 422, 424, 428, 474, 475, 476, 477	3.0
Four upper-level Geography courses	6.0
Electives	15.0
Total Units:	30.0

Concentrations

The Department of Geography offers concentrations in the following areas: Coastal Studies, Earth Systems, Geomatics, and Resource Management. Students complete the required courses noted below within the Bachelor of Science, Major and Honours programs:

Concentration in Coastal Studies:

GEOG 209, 352, 353, 355, 430; one of 438, 439, 453, 457; and one of 420, 424, 474.

Concentration in Earth Systems:

GEOG 272, 274, 276, 358, 370, 373, 376; and two courses from 424, 474, 475, 476, 477.

Concentration in Geomatics:

Four courses from GEOG 319, 322, 323, 325, 328, 329; and two courses from 418, 420, 422, 428.

Concentration in Resource Management:

GEOG 209; four courses from 314, 352, 353, 356, 357, 371; and one course from 438, 450, 453, 457.

General and Minor Programs (BA and BSc)

Students interested in the General Program should file a Record of Degree Program form with the Advising Centre. A General degree requires completion of the General Program in two disciplines. Students wishing to add a Minor in Geography to their program must ensure that it is included on their Record of Degree Program Form.

BA General and Minor Programs**First Year**

GEOG 101A and 101B	3.0
Electives	12.0
Total Units:	15.0

Second Year

GEOG 222 and 228	3.0
At least two courses from GEOG 209, 211, 218	3.0
Electives	9.0
Total Units:	15.0

Third and Fourth Years

At least four courses from GEOG 306, 314, 324, 327, 340, 343, 346, 347B, 352, 353, 355, 356, 357, 366, 371, 382, 388, 430, 438, 439, 440, 441, 448, 450, 453, 457, 486	6.0
Two upper-level Geography courses	3.0
Electives	21.0
Total Units:	30.0

BSc General and Minor Programs**First Year**

GEOG 110, 120	3.0
Electives	12.0
Total Units:	15.0

Second Year

GEOG 222, 228	3.0
At least two courses from GEOG 272, 274, 276	3.0
Electives	9.0
Total Units:	15.0

Third and Fourth Years

At least four courses from GEOG 358, 370, 373, 376, 424, 474, 475, 476, 477	6.0
Two upper-level Geography courses	3.0
Electives	21.0
Total Units:	30.0

COMBINED PROGRAMS IN PHYSICAL GEOGRAPHY AND EARTH AND OCEAN SCIENCES

The Department of Geography and the School of Earth and Ocean Sciences have designed two programs leading to a BSc Combined Major or Honours Degree.

The Department of Geography, the School of Earth and Ocean Sciences and the University of Victoria assume no responsibility for students' acceptance into the Association of Professional Engineers and Geoscientists of BC (APEGBC) during or after completing the program.

APEGBC has more requirements beyond course work, and reserves the right to set standards and change their requirements at any time. For information, see their website at <www.apeg.bc.ca>.

Students intending to pursue the combined programs must consult with the Undergraduate Adviser in either Geography or the School of Earth and Ocean Sciences after completing all of the first-year requirements.

Admission to the Combined Honours in Geography and Earth Sciences Program requires the permission of both the Department of Geography and the School of Earth and Ocean Sciences.

BSc Combined Honours/Major Program Requirements**First Year**

CHEM 101, 102	3.0
EOS 110 or GEOG 110; EOS 120 or GEOG 120	3.0
GEOG 101A	1.5
MATH 100, 101	3.0
PHYS 112; or 102 and 120; or 120 and 130	3.0
Electives	1.5
Total Units:	15.0

Second Year

CHEM 245	1.5
EOS 201, 202, 205, 210, 240	7.5
GEOG 222, 276	3.0
GEOG 226 or STAT 260 (see Note 2 under Course Requirements)	1.5
MATH 202	1.5
Total Units:	15.0

Third and Fourth Years (BSc Combined Honours)

EOS 225, 316, 340	4.5
EOS 300 or GEOG 477	1.5
EOS 440 or GEOG 370	1.5
EOS 450 or GEOG 476	1.5
EOS 499A, 499B or GEOG 499A, 499B	3.0
Two of EOS 335, 410, 425, 480	3.0

GEOG 228, 376	3.0
Two of GEOG 319, 322, 325, 328	3.0
Upper-level EOS or GEOG electives	3.0
Electives	6.0
Total:	30.0

Third and Fourth Year (BSc Combined Major)

EOS 225, 316, 340	4.5
EOS 300 or GEOG 477	1.5
EOS 440 or GEOG 370	1.5
EOS 450 or GEOG 476	1.5
Two of EOS 335, 410, 425, 480	3.0
GEOG 228, 376	3.0
Two of GEOG 319, 322, 325, 328	3.0
Upper-level EOS or GEOG electives	6.0
Electives	6.0
Total:	30.0

COMBINED PROGRAM IN GEOGRAPHY AND COMPUTER SCIENCE (GEOMATICS)

The Department of Geography and the Department of Computer Science have designed a program leading to a combined BSc Major Degree. The Geomatics program is aimed at students whose interests span the fields of cartography, computer science, geographic information systems, remote sensing, spatial analysis and surveying.

Students intending to pursue this combined program must consult the Undergraduate Adviser in either Geography or Computer Science after completing all of the first-year requirements.

Geography and Computer Science (Geomatics) Program Requirements**First Year**

CSC 106, 110, 115	4.5
ENGL 115 or 135	1.5
GEOG 101A, 101B	3.0
MATH 102 and 151, or MATH 100 and 101	3.0
MATH 122	1.5
Electives	1.5
Total Units:	15.0

Second Year

CSC 225, 230	3.0
ENGR 240 (see Note 1 below)	1.5
GEOG 222, 226, 228	4.5
SENG 265	1.5
Electives	4.5
Total Units:	15.0

Third Year

CSC 360, 370	3.0
GEOG 319 or 322 (see Note 2 below)	1.5
GEOG 328 or 329	1.5
GEOG 323, 325	3.0
SENG 310	1.5
CSC 300-level elective	1.5
Electives	3.0
Total Units:	15.0

Fourth Year

GEOG 418, 420, 422, 428	6.0
CSC 305 or 426 (see Note 3 below)	1.5

CSC 400-level electives (see Note 4 below).....3.0
Electives.....4.5
Total Units:.....15.0
1. ENGL 225 can be substituted for ENGR 240.
2. Students interested in remote sensing wishing to advance to GEOG 422 are encouraged to take both GEOG 319 and 322.
3. CSC 305 requires MATH 211 or 233A as a pre-requisite.
4. These 3 units of CSC courses at the 400 level may include CENG 420 and/or 1.5 units of SENG at the 400 level.

GEOGRAPHY CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Social Sciences is described on page 203. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 46.

The Geography Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Geography-related positions in the public, private or non-profit sectors. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35.

Admissions to the Geography Co-op Program

Entry into the Geography co-op program is open to full-time students (those taking 6 or more units per term) who are proceeding to an Honours or Major program offered by the department. To be considered for admission to the program, students normally require a minimum GPA of 5.5 in Geography courses as well as an overall GPA of 5.5. Admission will also be based on a student's interests and abilities.

Students interested in participating in the co-op program should normally apply at the beginning of their second year of studies. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will alternate with study terms thereafter.

To continue with the program, students must maintain a minimum GPA of 6.0 in Geography and 5.0 overall. To graduate with a Co-operative Education designation, students must satisfactorily complete three work terms. Each work term is recorded on the student's official transcript of academic record (as COM, N/X or F/X). A student may withdraw from the Geography co-op program at any time during an academic term and graduate with the Geography BA or BSc degree without the co-op designation.

Work term credit by challenge, page 45, is permitted in the Geography co-op program.

Further information concerning the Geography co-op program is available from the department or the Social Sciences Co-operative Education office.

Co-op Admission for Students in Combined Majors in Geography and Computer Science (Geomatics)

Students in the combined degree program who wish to participate in the combined Co-op Program must be accepted by the Co-op Programs of each department involved. They must complete two work terms in each co-op program in order to complete their co-op degree requirements. Students in the combined degree program may, if eligible, enrol in and undertake work terms in only one Co-op program.

UNDERGRADUATE COURSE INDEX

First Year

- GEOG 101A (1.5) Environment, Society and Sustainability
GEOG 101B (1.5) Introduction to Human Geography
GEOG 110 (1.5) Oceans and Atmosphere
GEOG 120 (1.5) The Dynamic Earth

Second Year

(Prerequisites as specified under individual course descriptions)

- GEOG 209 (1.5) Introduction to Resource Management
GEOG 211 (1.5) Economic Geography
GEOG 218 (1.5) Cultural Geography
GEOG 219 (1.5) Geography of British Columbia
GEOG 222 (1.5) Introduction to Maps and GIS
GEOG 226 (1.5) Introduction to Quantitative Methods in Geography
GEOG 228 (1.5) Introduction to Remote Sensing
GEOG 272 (1.5) Introduction to Climatology and Hydrology
GEOG 274 (1.5) Introduction to Biogeography
GEOG 276 (1.5) Introduction to Geomorphology

Third and Fourth Year

(Prerequisites as specified under individual course descriptions)

Comprehensive Courses

- GEOG 324 (1.5) Directions in Geography
GEOG 391 (1.5) Topics in Geography
GEOG 490 (1.5 or 3) Directed Studies in Geography
GEOG 491 (1.5) Advanced Topics in Geography
GEOG 499A (1.5) Honours Thesis I
GEOG 499B (1.5) Honours Thesis II

Geomatics

- GEOG 308 (1.5) Introduction to GIS
GEOG 319 (1.5) Remote Sensing of the environment
GEOG 322 (1.5) Digital Remote Sensing
GEOG 323 (1.5) Cartography
GEOG 325 (1.5) Field Surveying
GEOG 328 (1.5) Geographic Information Sciences
GEOG 329 (1.5) Customizing GIS
GEOG 418 (1.5) Advanced Spatial Analysis and Geostatistics
GEOG 420 (1.5) Field Studies in Coastal Geomatics

- GEOG 422 (1.5) Advanced Topics in Digital Remote Sensing
GEOG 428 (1.5) Advanced Topics in Geographic Information Sciences

Physical Geography

- GEOG 358 (1.5) Landscape Ecology
GEOG 370 (1.5) Hydrology
GEOG 373 (1.5) Applied Climatology
GEOG 376 (1.5) Process Geomorphology
GEOG 424 (1.5) Field Studies in Coastal Geomorphology
GEOG 474 (1.5) Field Studies in Biogeography
GEOG 475 (1.5) Boundary Layer Climatology
GEOG 476 (1.5) Advanced Studies in Geomorphology
GEOG 477 (1.5) Field Studies in Physical Geography

Human Geography

- GEOG 306 (1.5) Geography of Canada
GEOG 314 (1.5) Global Environmental Change and Human Response
GEOG 327 (1.5) Research Methods in Human Geography
GEOG 340 (1.5) Geography of the City
GEOG 343 (1.5) Planning and Urban Development
GEOG 344 (1.5) Urban Problems of Pacific Rim Developing Countries
GEOG 346 (1.5) Geography of Environment and Health
GEOG 347B (1.5) Geographies of Development
GEOG 355 (1.5) Coastal Communities
GEOG 366 (1.5) Medical Geography
GEOG 382 (1.5) Geography of Southeast Asia
GEOG 383 (1.5) Physical and Cultural Geography of China
GEOG 386 (1.5) World Political Geography
GEOG 388 (1.5) Regional Studies
GEOG 439 (1.5) Coastal Community Health
GEOG 440 (1.5) Interpreting the Suburban Landscape
GEOG 441 (1.5) The Design and Planning of Cities
GEOG 448 (1.5) Urban Social Geography
GEOG 486 (1.5) Human Geography Case Study

Resource Management

- GEOG 352 (1.5) Geography of the Coastal Zone
GEOG 353 (1.5) Coastal and Marine Resources
GEOG 356 (1.5) Wildlife Resource Management
GEOG 357 (1.5) Parks and Protected Areas
GEOG 371 (1.5) Water Resources Management
GEOG 430 (1.5) Seminar in Coastal Studies
GEOG 438 (1.5) Aquaculture in British Columbia
GEOG 450 (1.5) Decision Making in Resource Management
GEOG 453 (1.5) Field Studies in Coastal and Marine Resources
GEOG 457 (1.5) Marine Protected Areas

Department of Political Science

Aragon, Janni, BA (San Diego), MA (San Diego)
MA (California), PhD (California)

Colin J. Bennett, BSc, MSc Econ (Wales), PhD (Ill),
Professor

Michelle Bonner, BA, MA (McGill), PhD (Toronto),
Assistant Professor

A. Claire Cutler, BA (Brit Col), MSc (LSE), LLB
(McGill), PhD (Brit Col), Professor

Avigail Eisenberg, BA (Alta), MA, PhD (Queen's),
Associate Professor

Cosmo Howard, PhD (Australia National
University), Assistant Professor

Matt James, BA (Queen's), MA, PhD (Brit Col),
Associate Professor

Arthur Kroker, BA (Windsor), MS (Purdue), PhD
(McMaster), Professor and Canada Research Chair

James Lawson, BA (Trent), MA (Dal), PhD (York),
Assistant Professor

Warren Magnusson, BA (Man), BPhil, DPhil
(Oxford), Professor

Dennis Pilon, BA, MA (SFU), PhD (York), Assistant
Professor

Oliver Schmidtke, Dipl (Phillips-Universität), PhD
(European Univ. Inst., Florence), Associate
Professor

James H. Tully, BA (Brit Col), PhD (Camb),
Professor

Amy C. Verdun, MA (Amsterdam), PhD (European
Univ. Inst., Florence), Professor

R. B. J. (Rob) Walker, BA (Wales), MA, PhD
(Queen's), Professor

Scott Watson, BA, MA (Waterloo), PhD (UBC),
Assistant Professor

Michael C. Webb, BA (Brit Col), MSc (LSE), PhD
(Stan), Associate Professor

R. Jeremy Wilson, BA, MA (Alta), PhD (Brit Col),
Professor

Guoguang Wu, BA (Beijing), MA, PhD
(Princeton), Associate Professor

Feng Xu, BA (Beijing), MA, PhD (York), Assistant
Professor

Visiting, Adjunct and Cross-listed Appointments

Gerald Alfred, BA, MA, PhD (Cornell), Cross-listed
Professor

Herman Bakvis, BA (Queen's), MA, PhD (UBC)
Cross-listed Professor

Robert Bedeski, BA (Calif), M.A. (Calif), PhD
(Calif), Adjunct Professor and Emeritus Professor

Derek Fraser, LLB, BA (Brit Col), Adjunct
Professor

Colin MacLeod, BA (Queen's), MA (Dal), MA, PhD
(Cornell), Cross-listed Associate Professor

Peter Meekison, BASc, BA (Brit Col), MA (WOnt),
PhD (Duke), Adjunct Professor

Norman J. Ruff, BSc (Econ) (Southampton), MA
(McMaster), PhD (McGill), Emeritus Professor
Gordon Smith, BA (McGill), PhD (MIT), Adjunct
Professor

Reg Whitaker, BA, MA (Carleton), PhD (Toronto),
Adjunct Professor

POLITICAL SCIENCE PROGRAMS

The Department of Political Science offers General, Minor, Major and Honours programs leading to the BA degree. The department also offers courses toward an interdisciplinary Minor in European Studies. See page 221 for further information.

Third- and fourth-year students not enrolled in the General, Minor, Major or Honours programs may take any third- or fourth-year course in Political Science for which no prerequisite or other restriction is specified.

Information about current course offerings is available from the departmental Office (Room A316, Social Studies and Math Building; 250-472-5458) or from the department's web page <web.uvic.ca/polisci>. Students intending to major in Political Science should consult the department's undergraduate Adviser when planning their programs for the third and fourth years.

PROGRAM REQUIREMENTS

Honours Program

Students will be admitted to the Honours Program in Political Science, at the discretion of the department, at the beginning of the third year. Students must have a minimum GPA of 6.0 in at least 6 units of Political Science courses numbered at the 100 or 200 level. To continue in the program in the fourth year, students must secure a GPA of at least 6.5 in Political Science courses taken during the third year, and maintain an overall sessional GPA of 6.0.

Students wishing to be admitted to the Honours program must contact the Political Science Honours adviser in writing no later than May 31 preceding the year in which they wish to take POLI 338 and 339, and be admitted to third-year Honours. Admission decisions will be made by the Honours adviser no later than the beginning of winter-session registration (in late June). POLI 338 and 339 normally are taken in the student's third year, and 499 in the fourth year. Students are advised that because of limited staff and facilities, it may be necessary to limit enrolment in the Honours program.

The Honours program requires completion of:

- 21 units of Political Science courses numbered at the 300 and 400 level and that include:
 - POLI 338
 - POLI 339
 - POLI 499
 - at least one of the core courses (marked * in the course index on page 214) in each of Groups I-IV, and at least one fourth-year seminar course (POLI 401,402, 412, 413, 414, 420, 431, 432, 433, 434, 436, 442, 443, 444, 456, 458, 461, 462, or 465).
- Either 6 units in one of the Groups I-IV or 6 units organized around a program of specialized study approved by the Honours Adviser and the student's supervisor

Honours Graduation Standing

Graduation with Honours in Political Science requires:

- a graduating average of 5.5 or higher
- an average of 5.5 or higher in the best 21 units of Political Science at the 300 and 400 levels

- at least a grade of B in POLI 499

Honours students are required to consult the Honours Adviser in the department when planning their programs for the third and fourth years.

Major Program

Students intending to major in Political Science are required to complete:

- 6 units of Political Science courses at the 100 and 200 levels, 4.5 of which must be chosen from POLI 101, 103, 201, 202, 210 and 240, including at least one of 101 and 201, and with a grade of at least C+ in each of these three courses. It is strongly recommended that these courses be taken during the first two years of a student's program because no more than 6 units of upper-level Political Science courses will be counted towards the Major degree requirements before the grade requirement for the lower-level courses has been met.
- 15 units of Political Science courses at the 300 or 400 level, including at least one of the core courses (marked * in the course index below) from each of the Groups I-IV, and at least one fourth-year seminar course (POLI 401,402, 412, 413, 414, 420, 431, 432, 433, 434, 436, 442, 443, 444, 456, 458, 461, 462, or 465).

Major students are also strongly encouraged to take POLI 321: "Introduction to Research Methods in Politics".

Seminar courses are open only to students registered as Political Science Majors or Honours, or to non-Majors having the permission of the instructor. Enrolment in seminar courses is limited to 20 students, while in other upper-level courses the limit is 50 students.

General and Minor Programs

A concentration in Political Science under the General or Minor Program requires:

- 6 units of courses at the 100 or 200 level
- 9 units of courses at the 300 or 400 level

Major and Honours Programs (European Studies Concentration)

The Department of Political Science offers an interdisciplinary concentration in European Studies for Major and Honours students in Political Science. The concentration provides students with a specialized training in European politics, history, culture and languages as well as an educational or work experience in a European country. Students wishing to concentrate in European Studies must plan their program in consultation with the Director of European Studies.

Major and Honours students in Political Science who wish to graduate with a concentration in European Politics must complete:

- POLI 211 and 311
- 4.5 units of additional approved courses on European Politics chosen from: POLI 300A, 300B, 300C, 314, 340, 379, 414, 431 and any of POLI 319, 349 or 433 on (approved) European topics. For other courses, students need permission from the Director of European Studies
- 6 units of courses on European History or Culture, including at least 3 units at the 300 level or above, to be approved by the Director of European Studies

4. 9 units of courses in a modern European Language (e.g., French, German, Italian, Russian or Spanish)
5. one term of course work (in accordance with University regulations and approved by the Director of European Studies) at a European University, or a European Co-op position, or a minimum of three months of work experience in Europe (approved by the Director of European Studies)

POLITICAL SCIENCE CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Social Sciences is described on page 203. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 46.

The Political Science Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Political Science-related positions in the public, private or non-profit sectors. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35.

Admissions to the Political Science Co-op Program

Entry into the Political Science co-op program is open to full-time students (those taking 6 or more units per term) who are proceeding to an Honours or Major program offered by the department. To be considered for admission to the program, students normally require a minimum GPA of 5.0 in 100 and 200 level Political Science courses. In addition to these grade and course requirements, admission will also be based on a student's interests and abilities.

Students interested in participating in the co-op program should normally apply at the beginning of their second year of studies. Students should complete POLI 351 before commencement of their first work term, and must complete it before commencement of their second work term. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will normally alternate with study terms thereafter.

To continue with the program, students must maintain a minimum GPA of 5.0 in Political Science and 5.0 overall. To graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and attain a grade of at least B in POLI 351. Each work term is recorded on the student's official transcript of academic record (as COM, N/X or F/X). A student may withdraw at any time during an academic term from the Political Science co-op program and graduate with a Political Science BA degree without the co-op designation.

Work term credit by challenge, page 45, is permitted in the Political Science co-op program.

Further information concerning the Political Science co-op program is available from the department or the Social Sciences Co-operative Education office.

POLITICAL SCIENCE UNDERGRADUATE COURSE INDEX

For details of courses to be offered, the terms in which classes will be given, and the names of course instructors, prospective students should consult uSource or the department's website: <web.uvic.ca/polisci/>.

First and Second Year

POLI 101, 103
POLI 201, 202, 210, 211, 240

Third and Fourth Year

POLI 321	POLI 338	POLI 339
POLI 351	POLI 490	POLI 499
I Political Theory		
POLI 300A*	POLI 300B*	POLI 300C*
POLI 305	POLI 306	POLI 401
POLI 402	POLI 413	
II Comparative Politics		
POLI 311*	POLI 313A*	POLI 313B
POLI 314	POLI 317*	POLI 318*
POLI 319	POLI 371*	POLI 372*
POLI 375	POLI 376*	POLI 377
POLI 378	POLI 379	POLI 414
POLI 431	POLI 436	
III Canadian Politics		
POLI 320*	POLI 350	POLI 357
POLI 360*	POLI 361*	POLI 364*
POLI 365*	POLI 366*	POLI 369
POLI 420	POLI 434	POLI 461
POLI 462	POLI 465	
IV International Politics		
POLI 328	POLI 329	POLI 340*
POLI 341	POLI 343*	POLI 344*
POLI 345	POLI 346	POLI 347*
POLI 348*	POLI 349	POLI 442
POLI 443	POLI 444	
V Contemporary Themes and Issues in Political Science		
POLI 323	POLI 332	POLI 333
POLI 334	POLI 335	POLI 336
POLI 355	POLI 363	POLI 412
POLI 422	POLI 430	POLI 432
POLI 433	POLI 456	POLI 458

* Core course

Department of Psychology

C.A. Elizabeth Brimacombe, BA (St FX), MA (Alta), PhD (Iowa St), Associate Professor, Chair
Daniel N. Bub, BSc (Lond), MA, PhD (Roch), Professor

Robert D. Gifford, BA (Calif, Davis), MA, PhD (S Fraser), Professor

Scott M. Hofer, AB (San Diego State Univ), PhD (Univ Southern California), Professor and Endowed Chair in Adult Development and Aging

David F. Hultsch, BA (Lycoming Coll), MA, PhD (Syr), Lansdowne Professor of Psychology

Bonnie J. Leadbeater, BSc, MAEd (Ottawa), PhD (Columbia), Professor

D. Stephen Lindsay, BA (Reed Coll), MA, PhD (Prin), Professor

Michael E.J. Masson, BA (UBC), MA, PhD (Colo), Professor

Catherine A. Mateer, BA, MSc (Wis, Madison), PhD (W Ont), Professor

Timothy Stockwell, MA.Hons (Oxford), MSc (U of Surrey), PhD (London, UK), Professor

James W. Tanaka, BA (Calif, Santa Cruz), PhD (Oregon, Eugene), Professor

Holly A. Tuokko, BA, MA (Lake), PhD (UVic), Professor

Catherine L. Costigan, AB (Cornell), MA, PhD (Michigan), Associate Professor

Marion F. Ehrenberg, BA (McG), MA, PhD (S Fraser), Associate Professor

Clay B. Holroyd, BA (Calif, Santa Cruz), PhD (U of Illinois, Urbana-Champaign), Associate Professor

Michael A. Hunter, BA (S Fraser), MA (Wat), PhD (S Fraser), Associate Professor

Kimberly A. Kerns, BA (Colo), PhD (U of Health Sciences/Chic Med Sch), Associate Professor

Christopher E. Lalonde, BA, MA, PhD (UBC), Associate Professor

Andrea M. Piccinin, BA (McGill), PhD (USC), Associate Professor

Ulrich Mueller, Diplom-Psychologie (TU Braunschweig), PhD (Temple), Associate Professor

Marsha G. Runtz, BSc, MA, PhD (Man), Associate Professor

Ronald W. Skelton, BSc (Bishop's), MA

(Concordia), PhD (UBC), Associate Professor

Mauricio A. Garcia-Barrera, BA (U of Antioquia), MEd, PhD (U of Georgia), Assistant Professor

Frederick M.E. Grouzet, BA, MA (U. Blaise Pascal), PhD (UQAM), Assistant Professor

Stuart W.S. MacDonald, BA Hons (Winnipeg), MSc, PhD (Victoria), Assistant Professor

Danu A. Stinson, BA (SFU), PhD (Waterloo), Assistant Professor

Erica Woodin, BS (Wash.), MA, PhD (Stony Brook), Assistant Professor

Martin S. Smith, BA (S Fraser), MA, PhD (York), Teaching Professor

Valerie A. Gonzales, BSc (USC), MSc, PhD (UVic), Senior Instructor

Jeffrey L. Niehaus, BA (Purdue), MA (U of Denver), PhD (UC Santa Barbara), Senior Instructor

Lara K. Robinson, BA (UBC), MA, PhD (U of S), Senior Instructor

Doug Thomson, Programmer Analyst

Annette Barath, BA (UVic), Administrative Officer

Visiting, Adjunct and Cross-listed Appointments

H. Wallace Craver, BA (Randolph-Macon), MA (Richmond), PhD (Alta), Adjunct Professor (2008-2011)

Roger Dixon, BA (N Colo), MA (Chic), MS, PhD (Penn State), Adjunct Professor (2008-2011)

Cliff Duncalf, MD (Flinders, Aust), Adjunct Professor (2007-2010)

David L. Hamilton, BA (Gettysburg College), MA (Richmond), PhD (Illinois), Adjunct Professor (2007-2010)

Anthony A.J. Marley, BSc (Birmingham), PhD (Pennsylvania), Adjunct Professor (2009-2012)

Alexander Moll, MBChB (Cape Town), Adjunct Professor (2007-2010)

J. Donald Read, BA (UBC), MS, PhD (Kansas State University), Adjunct Professor (2008-2010)

A. Martin Wall, AB (Harvard), PhD (U of Penn), Adjunct Professor (2009-2012)

Scott Bezeau, BA (York), MA, PhD (U of T), Adjunct Associate Professor (2009-2012)

Sylvain C. Boies, BA (Ottawa), MA, PhD (Calif, Berkeley), Adjunct Associate Professor (2007-2010)

Louise Costello, BA, MSc (Man), PhD (UVic), Adjunct Associate Professor (2008-2011)

Jonathan Down, MB.BS (Lond), Adjunct Associate Professor (2007-2010)

Anthony T. Dugbartey, BA (U of Ghana-Legon), MA (Lakehead), PhD (UVic), Adjunct Associate Professor (2009-2012)

Dorothy Edgell, BA (Birm), MA, PhD (UVic), Adjunct Associate Professor (2007-2010)

Jeffrey Fuhr, BA (Witwatersrand, South Africa), BA (U of South Africa), MA (Rand Afrikaans U, South Africa), PhD (UVic), Adjunct Associate Professor (2009-2012)

Shirley Graham, BA (U of C, Irvine), MA, PhD (UCLA), Adjunct Associate Professor (2009-2012)

Michael Joschko, BSc (McMaster), MA, PhD (Windsor), Adjunct Associate Professor (2009-2012)

Helena Kadlec, BSc, MA (Man), PhD (Purdue), Adjunct Associate Professor (2008-2011)

Rita Knodel, BA (U of A), MA (UBC), PhD (U of A), Adjunct Associate Professor (2008-2011)

Atholl T. Malcolm, BA, MA, PhD (Man), Adjunct Associate Professor (2008-2011)

Daniel R. McGee, BEd (UVic), MA (UBC), PhD (UVic), Adjunct Associate Professor (2009-2012)

Wayne R. Mitic, BA (W Ont), MA (Windsor), PhD (State Univ. New York), Adjunct Associate Professor (2008-2011)

Kathleen M. Montgomery, BA (Mass), MA, PhD (UVic), Adjunct Associate Professor (2007-2010)

Kenneth A. Moselle, BA (Yale), PhD (Calif, Berkeley), Adjunct Associate Professor (2008-2011)

Eric P. P. Ochs, BSc, BA (UBC), PhD (McGill), Adjunct Associate Professor (2007-2010)

Anthony W. Robertson, BA (UVic), MA, PhD (Carleton), Adjunct Associate Professor (2008-2010)

James M. Sawchyn, BA (Sask), MA, PhD (UVic), Adjunct Associate Professor (2008-2011)

Christine A. Schwartz, BA (York), MA, PhD (UVic), Adjunct Associate Professor (2009-2012)

Bernice M. Seyfort, BA, PhD (UVic), Adjunct Associate Professor (2007-2010)

Laurel A. Townsend, BSc, MA, PhD (UVic), Adjunct Associate Professor (2008-2011)

Barry G. Young, BA (UBC), MA (Regina), PhD (Lond), Adjunct Associate Professor (2007-2010)

Jennifer J. Gerwing, BA, MA, PhD (UVic), Adjunct Assistant Professor (2009-2012)

Julie S. Rodgers, BA (Carleton), PhD (Calif, Berkeley), Adjunct Assistant Professor (2008-2011)

Richard Routledge, BSc (U of A), MA (UVic), Adjunct Assistant Professor (2009-2012)

Heather Scott, BA, MA, PhD (Carleton), Adjunct Assistant Professor (2008-2011)

PSYCHOLOGY PROGRAMS

The Department of Psychology offers the following undergraduate programs of study: Honours, Major, General, Minor, Combined Biology and Psychology, and Combined Computer Science and Psychology. Students in the Honours and Major Programs may proceed to either a BA or BSc degree in Psychology.

The Honours program is recommended for students planning to do graduate work in scientific or professional psychology. Graduation in the Honours program requires that students be admitted to the program at the end of the third year of study.

The Major program requires specialization in Psychology in the last two years of the program, and is designed to permit students to pursue a variety of professional and business career options requiring baccalaureate-level training.

The General program is available for students who seek a broad background in Psychology to prepare for entry into other fields.

Please note: The Bachelor's degree in Psychology is intended primarily to prepare the student for further advanced study in psychology or related fields (education, social work, etc.), and in no way implies professional competence as a psychologist without such advanced training. Although students may find employment of a psychological nature with an undergraduate degree, it is expected that further preparation, perhaps in the form of in-service training, will normally be required by employers.

Limitation of Enrolment

Students are advised that because of limited staff and facilities, it may be necessary to limit enrolment in certain courses. Course enrolment limits will be imposed during registration. Students will be admitted to Psychology courses on the basis of stated prerequisites and priorities. Students who have declared a psychology honours or major program may be granted preferential enrolment in 300- and 400-level psychology courses.

PROGRAM REQUIREMENTS

Notes on Course Requirements

1. First- and second-year students are encouraged to schedule courses required for their program (Core Requirements and Requirements Outside Psychology) prior to scheduling electives.
2. Students interested in the Major or General program should consult the Academic Advising Centre (University Centre A205) as early as possible. Once the Core Requirements are completed, and no later than their final term before achieving fourth-year standing (42 units completed), students must declare their Major in Psychology by filing a Record of Degree Program form with the Advising Centre.
3. Until the Core Requirements are satisfied, a student will be unable to register in PSYC 300A or 300B.
4. It is strongly recommended that students take PSYC 300A and 300B in consecutive terms and with the same instructor if possible.

5. The following guidelines for course selection are suggested:

- Students planning to enter social services, including mental health, school psychology, social work, parole, child care: PSYC 311B or 313, 315, 330, 331, 360 and 361, 365, 450 and at least 1.5 units from PSYC 335, 336, 338 and 339.
- Students planning careers in business and industry, civil service, government, personnel work: PSYC 311B, 330, 331, 333, 334, 365, 401, as well as courses in other social sciences such as ECON 100, POLI 101, 201, SOCI 319, 321.
- Students planning to pursue advanced degrees in Psychology are advised to take PSYC 400A and 401.
- Many careers demand some form of oral presentation. We strongly recommend that all students enrol in a public-speaking course, such as THEA 150.

6. The Department of Psychology may give permission for individual studies and directed readings to be taken under the course numbers PSYC 390 and 490 primarily to allow students and a faculty supervisor to pursue a topic of mutual interest. These courses are available only to students with credit in PSYC 201 and a GPA of at least 5.5 in the last 15 units attempted. Other courses are not offered as individual studies or directed readings at any time. Students seeking an exemption from these restrictions must make a formal application to the department undergraduate adviser.
7. Students planning to apply for graduate studies immediately following their graduation should plan to write the Graduate Record Examination at the end of their third year of undergraduate work or during the fall term of their fourth year. Applications must be received in Princeton, NJ at least six weeks prior to the time of writing. More information about the GRE, including examination schedules, can be found in the GRE Registration Bulletin (available from Counselling Services).

Requirements Common to BA and BSc Degrees in Psychology

1. Core requirements for Honours and Major programs (9.0 units):
 - PSYC 100A and 100B, with a grade of at least C+ in each
 - PSYC 201, 210 and 215A, with a grade of at least C in each and a combined GPA of at least 3.0 in the 4.5 units
 - 1.5 units of English composition chosen from ENGL 115, 135, 146, 147, 225, ENGR 240, WRIT 100 or 102
2. Requirements Outside Psychology for Honours and Major Programs (7.5 units):
 - 1.5 units of Computer Science 100- or 200-level
 - 1.5 units of English, any level
 - 1.5 units of Philosophy, any level
 - 3.0 units of Social Sciences (Anthropology, Economics, Environmental Studies, Geography, Political Science, Sociology), any level
3. Breadth Requirements for Honours, Major, General and Minor Programs (7.5 units). Stu-

dents must include at least 1.5 units from each of the groups listed below:

- **Biological/Neuropsychology:** PSYC 315, 323, 324, 345A, 415A, 415B
- **Learning/Cognition/Perception:** PSYC 311B, 313, 317A, 317B, 412A, 412C, 413A, 413B, 413C, 413D
- **Social/Environmental:** PSYC 331, 333, 334, 340, 341, 350, 370A, 370B, 380, 385, 431B, 431D, 431E, 431G
- **Developmental:** PSYC 320, 335, 336, 339, 342, 435A, 435B, 435C, 435D, 435E
- **Personality/Abnormal:** PSYC 330, 332, 338, 360, 361, 365, 366, 412B, 450

Honours Programs (BA and BSc)

Graduating with Honours entails meeting more stringent GPA and course requirements than the Major degree, as well as successfully completing a year-long thesis project supervised by a regular faculty member in the Department of Psychology (sessional instructors and adjunct faculty can co-supervise with a regular faculty member). Students interested in the Honours program should talk to potential thesis supervisors well before the deadline for applying to the program.

Admission to the Honours program must be sought by May 31 preceding the student's final full year of undergraduate studies. Prospective Honours students must submit to the Honours Adviser an application form available from the General Office of the Department of Psychology (Cornett A234). In addition to the permission of the Honours Adviser, applicants must obtain written agreement from a regular faculty member in the department to serve as thesis supervisor.

Admission to the Honours program requires:

- a minimum 6.5 GPA in all Psychology courses;
- a minimum 5.0 GPA in all non-Psychology courses taken at post-secondary institutions within the last 5 years.

The Honours program requires completion of 63 units.

BA Honours

Core Requirements (above)	9.0
Requirements Outside Psychology (above)	7.5
One of BIOL 150A, 190A, 215	1.5
BIOL 150B or 190B	1.5
One of MATH 100, 102, 151, PHIL 201, 203, 304A	1.5
Humanities and/or Fine Arts electives	9.0
PSYC 300A and 300B with a grade of at least C in each	3.0
Breadth Requirements (above)	7.5
PSYC 400A, 401	3.0
300- or 400-level Psychology electives	1.5
400-level Psychology courses other than 490...3.0	
PSYC 499 with a grade of at least A-	3.0
Electives, any level	12.0
Total	63.0

BSc Honours

Core Requirements (above)	9.0
Requirements Outside Psychology (above)	7.5
One of BIOL 190A, 215	1.5
BIOL 190B	1.5

One of MATH 100, 102, 151	1.5
Faculty of Science electives (may include EPHE 141, 241A, 241B). At least 6 of these 9 units must come from a single department (not EPHE)	9.0
PSYC 300A and 300B with a grade of at least C in each	3.0
Breadth Requirements (above)	7.5
PSYC 400A, 401	3.0
300- or 400-level Psychology electives	1.5
400-level Psychology courses other than 490...3.0	
PSYC 499 with a grade of at least A-	3.0
Electives, any level	12.0
Total	63.0

Major Programs (BA and BSc)

BA Major

Core Requirements (above)	9.0
Requirements Outside Psychology (above)	7.5
One of BIOL 150A, 190A, 215	1.5
BIOL 150B or 190B	1.5
One of MATH 100, 102, 151, PHIL 201, 203, 304A	1.5
Humanities and/or Fine Arts electives	9.0
PSYC 300A and 300B with a grade of at least C in each	3.0
Breadth Requirements (above)	7.5
300- or 400-level Psychology electives	3.0
400-level Psychology elective other than PSYC 400A, 401, 490, 499	1.5
Electives*	15.0
Total	60.0

BSc Major

Core Requirements (above)	9.0
Requirements Outside Psychology (above)	7.5
One of BIOL 190A, 215	1.5
BIOL 190B	1.5
One of MATH 100, 102, 151	1.5
Faculty of Science electives (may include EPHE 141, 241A, 241B). At least 6 of these 9 units must come from a single department (not EPHE)	9.0
PSYC 300A and 300B with a grade of at least C in each	3.0
Breadth Requirements (above)	7.5
300- or 400-level Psychology electives	3.0
400-level Psychology elective other than PSYC 400A, 401, 490, 499	1.5
Electives*	15.0
Total	60.0

* Students must ensure that their programs contain at least 21.0 units of 300- and 400-level coursework to meet faculty requirements.

General and Minor Programs (BA and BSc)

Students interested in the General Program should file a Record of Degree Program form with the Advising Centre before attaining fourth-year standing (42 units completed). A General degree requires completion of the General Program requirements in two disciplines (see page 202). Students wishing to add a Minor in Psychology to their program must ensure that it is included on their Record of Degree Program form.

General Program (BA and BSc)

PSYC 100A, 100B	3.0
PSYC 210	1.5
PSYC 215A	1.5
Breadth Requirements (above)	7.5
300- or 400-level Psychology elective	1.5
300- or 400-level requirements for second General Program area	9.0
300- or 400-level electives	3.0
100- and 200-level requirements for second General Program area (will vary from program to program)	
Electives, any level (will vary depending on second General Program area requirements)	
Total	60.0

Minor Program

PSYC 100A, 100B	3.0
PSYC 210	1.5
PSYC 215A	1.5
Breadth Requirements (above)	7.5
300- or 400-level Psychology elective	1.5
Total	15.0

Combined Biology and Psychology Program Requirements

Both Major and Honours BSc degrees are offered in the Combined Biology and Psychology Program. These are not joint degrees in Biology and Psychology, but single degree programs composed of a selected combination of courses from each of the departments. These programs are intended for students with interests and career goals in any area of neuroscience, including neuroethology, human biology, medicine, dentistry, or nursing. Students should consult with undergraduate advisers in both departments when planning their course schedules.

Combined Major in Biology and Psychology

Core Course Requirements

BIOL 190A, 190B	3.0
PSYC 100A, 100B	3.0
BIOL 225	1.5
PSYC 201	1.5
PSYC 210	1.5
PSYC 215A	1.5
Total core¹	12.0

Upper-level Biology and Psychology Courses

BIOL 365	1.5
BIOL 367	1.5
Three of BIOL 309, 345, 404, 409B, 432, 448	4.5
PSYC 323	1.5
PSYC 345A	1.5
PSYC 315 or 415B	1.5
Upper-level BIOL or PSYC electives	3.0
Total BIOL and PSYC units	15.0
Minimum BIOL and PSYC units	27.0

Other Requirements

3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 135, 146, 147, 2153.0
 3 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 2613.0
 MATH 100 or 102 or 151²1.5

CHEM 101 and 102.....	3.0
CHEM 231 and either 232 or 235	3.0
BIOC 299.....	1.5
PHYS 102 or 112	3.0
CSC 100 or 105	1.5
Total Other Requirements.....	19.5
Electives ³	13.5
Total units	60.0

Combined Honours in Biology and Psychology

Core Course Requirements	
BIOL 190A, 190B.....	3.0
PSYC 100A, 100B	3.0
BIOL 225	1.5
PSYC 201	1.5
PSYC 210.....	1.5
PSYC 215A	1.5
Total core¹	12.0

Upper-level Biology and Psychology Courses	
BIOL 365	1.5
BIOL 367	1.5
Three of BIOL 309, 345, 404, 409B, 432, 448	4.5
PSYC 323	1.5
PSYC 345A	1.5
PSYC 315 or 415B	1.5
Upper-level BIOL or PSYC elective.....	1.5
Either Biology or Psychology thesis⁴	
BIOL 499A, 499B and BIOL 460 ⁵	4.0
or	
PSYC 499 ⁶	3.0
Total BIOL and PSYC units.....	16.5 or 17.5⁵
Minimum BIOL and PSYC units.....	28.5 or 29.5⁵

Other Requirements	
3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 135, 146, 147, 215	3.0
3 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 261 ⁶	3.0
MATH 100 or 102 or 151 ²	1.5
CHEM 101 and 102.....	3.0
CHEM 231 and either 232 or 235	3.0
BIOC 299.....	1.5
PHYS 102 or 112	3.0
CSC 100 or 105	1.5
Total Other Requirements.....	19.5
Electives ³	12.0
Total units	60.0 or 61.0⁵

Other Courses of Potential Interest (Electives)⁷

- BIOL 215, 230, 307, 321, 322, 335, 360 (required for BIOL 309), 361, 400
- BIOC 300A (required for BIOL 360, 361, medical school), 300B (required for BIOL 361, medical school)
- MATH 101, 377, or other MATH courses
- PHIL 100, 201/203, 220, 342A, 460
- EPHE 141, 241B, 341
- PSYC 311B, 317A, 332, 391, 415A, 424, 491

1. Core GPA requirement: For core Psychology courses, the GPA requirements are the same as for regular Psychology courses. Core Biology courses require a minimum C+ to count towards this combined program.

2. Consult prerequisites for MATH and PHYS 200-level courses when choosing among these courses.
3. At least 21 units of upper-level courses are required to satisfy university requirements.
4. Admission and Graduation Standing requirements for the Honours program are governed by the regulations for the department in which the Honours thesis is taken.
5. Students registering for BIOL 499A, 499B must also take BIOL 460 (Honours Seminar).
6. Students planning to do an Honours thesis or a graduate degree in Psychology are advised to take PSYC 300A and 300B
7. Majors students planning to undertake graduate studies in biopsychology are advised to acquire experience in a research laboratory through paid, volunteer, or Directed Studies positions.

Combined Major in Psychology and Computer Science

The Department of Psychology and the Department of Computer Science have designed a program leading to a combined BSc Major Degree. Students intending to pursue this combined program must consult the Undergraduate Adviser in either Psychology or Computer Science at the latest after completing all of the first-year requirements (Note 5).

Year 1	
BIOL 190A or 215, 190B.....	3.0
CSC 110, 115	3.0
ENGL 115 or 135.....	1.5
MATH 151, 122 ¹	3.0
PSYC 100A, 100B ²	3.0
Elective	1.5
Total	15.0

Year 2	
CSC 106, 225, 230	4.5
ENGR 240	1.5
MATH 102, 222 ¹	3.0
PSYC 201, 215A ²	3.0
SENG 265	1.5
Electives.....	1.5
Total	15.0

Year 3	
1 of CSC 322, 326, 360, 370.....	1.5
PSYC 300A and 300B or STAT 255 and 256 ²	3.0
PSYC 300 level ³	3.0
SENG 310 or CSC 320 ⁶	1.5
Electives.....	6.0
Total	15.0

Year 4	
CSC 421 or CENG 420.....	1.5
CSC 400 level ⁴	4.5
CSC 497	1.5
PSYC 300/400 level ³	4.5
Electives.....	3.0
Total	15.0

1. Students can replace MATH 151 and 102 with MATH 100 and 101.
2. Minimum grade requirements:
 - PSYC 100A and 100B with a grade of at least C+ in each
 - PSYC 201, 215A with a grade of at least C in each

- PSYC 300A, 300B with a grade of at least C in each

3. These 7.5 units of 300- and 400-level PSYC must include at least one 400-level PSYC course other than PSYC 400A, 401, 490, or 499. Students who take PSYC 300A and 300B need an additional 7.5 units of upper-level psychology courses; students who take STAT 255 and 256 need a total of 10.5 units of upper-level Psychology courses. The following upper-level courses are suggested according to student interests:

Artificial Intelligence:

PSYC 311B, 317A, 317B, 323 (215A is a prerequisite), and related 400-level courses

Human Factors and Computer-Human Interfaces:

PSYC 311B, 317A, 317B, 334, 350 and related 400-level courses

Video-Game Development:

PSYC 311B, 335, 336, 339, 340 and related 400-level courses

4. One of these CSC 400 level courses may be replaced by a SENG 400 level course.

5. Students in this combined program who wish to participate in the Co-op Program must be accepted by the Co-op Programs of both Computer Science and Psychology. They must complete two work terms in each Co-op program in order to complete their Co-op degree requirements. Should the admission and graduation requirements vary in the two program areas, students must meet the lower GPA requirement.

6. Students choosing Computer-Human Interface courses in Psychology should enrol in SENG 310. All other students should enrol in CSC 320.

PSYCHOLOGY CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Social Sciences is described on page 203. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 46.

The Psychology Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Psychology-related positions in the public, private or non-profit sectors. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35.

Admissions to the Psychology Co-op Program

Entry into the Psychology co-op program is open to full-time students (those taking 6 or more units per term) who are proceeding to an Honours or Major program offered by the department. To be considered for admission to the program, students normally require a minimum GPA of 6.0 in Psychology courses and 5.0 overall.

Students interested in participating in the co-op program should normally apply in their second year of studies. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will normally alternate with study terms thereafter.

To continue with the program, students must maintain a minimum GPA of 5.0 in Psychology and 5.0 overall. To graduate with a Co-operative Education designation, students must satisfactorily complete three work terms. Each work term is recorded on the student's official transcript of academic record (as COM, N/X or F/X). A student may withdraw from the Psychology co-op program at any time during an academic term and graduate with a BA or BSc degree in Psychology without the co-op designation.

Work term credit by challenge, page 45, is permitted in the Psychology co-op program.

Further information about the Psychology co-op program is available from the department or the Social Sciences Co-operative Education office.

Co-op Admission for Students in Combined Majors in Psychology and Computer Science

Students in the combined degree program who wish to participate in the combined Co-op Program must be accepted by the Co-op Programs of each department involved. They must complete two work terms in each co-op program in order to complete their co-op degree requirements. Students in the combined degree program may, if eligible, enrol in and undertake work terms in only one Co-op program.

Department of Sociology

Douglas E. Baer, BES, MA, PhD (Waterloo), Professor

Cecilia M. Benoit, BEd, BA, MA (Memorial), PhD (Toronto), Professor

William K. Carroll, BA (Brock), MA, PhD (York), Professor

Neena L. Chappell, BA (Carleton), MA, PhD (McMaster), FRSC, Professor and Canada Research Chair

Aaron H. Devor, BA (York), MA (Simon Fraser), PhD (Washington), Professor

Richard L. Ogmundson, BA (Victoria), MA, PhD (Michigan), Professor

Margaret J. Penning, BA (Winnipeg), MA (Manitoba), PhD (Alberta), Professor

Zheng Wu, BA (Beijing Second Foreign Lang Inst), MA (Victoria), PhD (Western Ontario), Professor, Chair

Karen M. Kobayashi, BSc, MSc (Waterloo), PhD (Simon Fraser), Associate Professor

Sean P. Hier, BA, MA (Guelph), PhD (McMaster), Associate Professor

Martha McMahon, BA (Univ College, Dublin), MA, PhD (McMaster), Associate Professor

Daniel G. Fridman, BA (Universidad de Buenos Aires, Argentina), MA (Columbia), M. Phil (Columbia), PhD (Columbia), Assistant Professor

Steve Garlick, BA, MA (Auckland), PhD (CUNY), Assistant Professor

Helga Hallgrimsdottir, BA (Calgary), MA, PhD (Western Ontario), Assistant Professor

André Smith, BRE, BSW, MSW (British Columbia), PhD (McGill) Assistant Professor

Peyman Vahabzadeh, BA, PhD (Simon Fraser) Assistant Professor

Senior Instructor

Colin B. Olson, BSc (Western Oregon), MA, PhD (New Mexico), Senior Instructor

Emeritus Faculty

Robert B. Hagedorn, PhD (Texas-Austin) Professor

C. David Gartrell, PhD (Harvard) Professor

R. Alan Hedley, BA, MA (British Columbia), PhD (Oregon), Professor

T. Rennie Warburton, BA (Leeds), PhD (London), Professor

Adjunct Appointments

Singh Bolaria, BA (Punjab), MA (Kansas State), PhD (Washington State), Adjunct Professor

Thomas K. Burch, BA (Loyola), MA (Fordham), MA (Princeton), PhD (Princeton), Adjunct Professor

David Coburn, BA (Victoria), MA (Toronto), PhD (Toronto) Adjunct Professor

Benedikt Fischer, BA, MA (Konstanz), PhD (Toronto) Adjunct Professor

Barry Edmonston, BA, MA (Oregon), PhD (Michigan), Adjunct Professor

James C. Hackler, BA (U.C., Berkeley), MA (San José), PhD (Washington), Adjunct Professor

Sharon M. Lee, BA (Rochester), MA, PhD (Princeton), Adjunct Professor

Susan McDaniel, BA (Massachusetts), MA (Cornell), PhD (Alberta), Adjunct Professor

Dorothy E. Smith, BSc (London), PhD (U.C., Berkeley), Adjunct Professor

Ken Hatt, BA (Redlands), MA (LA), PhD (Alberta), Adjunct Associate Professor

Mikael Jansson, BA, MA (Alberta), PhD (Western Ontario), Adjunct Assistant Professor

SOCIOLOGY PROGRAMS

The department offers Honours, Major, General and Minor programs leading to the degree of Bachelor of Arts. Students interested in any of these programs are urged to consult the departmental Undergraduate Adviser as early as possible.

The Honours program is recommended for students planning to do graduate work in Sociology. The Major program permits students to pursue a variety of career options requiring baccalaureate-level training that require a specialization in Sociology. The General and Minor programs provide maximum flexibility in selection of courses in Sociology, but do not provide extensive coursework in methodology and theory. Students in the Major or Honours programs may also elect to add a concentration in either Health and Aging, or Social Justice and Social Change.

Students with questions about the department's programs or courses may arrange to meet with a Sociology Undergraduate Adviser through the Sociology General Office in Cornett A333. Arrangements to meet with the Sociology Honours Adviser may also be made through the Sociology General Office.

Students seeking general academic advice may arrange to meet with an Academic Adviser at the Advising Centre for Humanities, Social Sciences and Sciences, A205, University Centre. Detailed information on programs, faculty and courses can be found on the departmental web page: <web.uvic.ca/soci>.

PROGRAM REQUIREMENTS

Requirements Common to all Sociology Programs

Students should read carefully all the information for the Faculty of Social Sciences, especially the faculty Program Requirements. SOCI 100A and SOCI 100B are required for all programs and should normally be taken in the first year; they may be taken in any order, or concurrently. SOCI 210 and 211 are also required in all programs, and are normally taken in the second year. All students must also complete 3 units of university-level English or Writing courses, with a GPA of 4.5 or better, before they are allowed to declare a program in Sociology.

Prerequisites for Third- and Fourth-year Courses

Completion of SOCI 100A and SOCI 100B, or at least third-year standing with a GPA in the immediately preceding session of 6.5 or better.

NOTE: while SOCI 100A and SOCI 100B are not formal prerequisites for third or fourth-year students with a GPA of 6.5 or higher, all upper-level courses require at minimum a basic knowledge of sociological concepts; these courses are therefore strongly recommended for these students.

Honours Program Requirements

Normally, the Honours program has the following requirements:

1. students apply for entry into the Honours Program at the end of their second year;
2. entry requires a GPA of at least 6.75 in Sociology courses completed and a GPA of at least 6.0 in all courses completed;
3. students must maintain a cumulative GPA of at least 6.0 to remain in the Honours Program.

Applications are made directly to the departmental Honours Adviser. Note that students are strongly advised to take additional statistical courses (SOCI 471, SOCI 472) if they intend to pursue graduate studies in Sociology.

The Honours Program offers students the opportunity to write a Graduating Essay (SOCI 499) under the supervision of a faculty member. The essay is usually either a library-research based review of literature on a sociological topic, including analytical comments and suggestions for future research, or a report of a piece of empirical research.

Students are referred to the Faculty of Social Sciences Honours Program Requirements, page 201

- SOCI 100A
- SOCI 100B
- SOCI 210
- SOCI 211
- SOCI 271
- SOCI 309*
- SOCI 374
- SOCI 376
- TWO of SOCI 402*, 412*, and 481
- SOCI 499
- Plus 9.0 additional units in Sociology numbered 300 and above

* SOCI 210 or 308 is a prerequisite or a corequisite for SOCI 309, SOCI 402 and SOCI 412.

Graduation Standing

An Honours degree requires:

1. a grade of at least A- in SOCI 499
2. a minimum GPA of 7.0 for all Sociology courses numbered 300 and above

Honours students who do not meet the above requirements, but complete those for a Major in Sociology, may opt to receive a Major degree.

Major Program Requirements

- SOCI 100A
- SOCI 100B
- SOCI 210
- SOCI 211
- SOCI 271
- SOCI 309*
- SOCI 374
- SOCI 376
- TWO of SOCI 402*, 412*, and 481
- Plus 7.5 additional units in Sociology numbered 300 and above.

* SOCI 210 or 308 is a prerequisite or a corequisite for SOCI 309, 402 and 412.

General and Minor Program Requirements

- SOCI 100A
- SOCI 100B
- SOCI 210
- SOCI 211
- Plus 9.0 additional units in Sociology numbered 300 and above.

Concentration in Health and Aging

The sociology of health and aging incorporates the sociology of health and health care (including medical sociology), the sociology of aging, and the intersection of these areas. It includes topics such as changing population characteristics; health practices and the lived experiences of wellness, illness, and dying; health policies and health care systems. It considers particular age groups as well as the whole life course, and is not exclusively focused on old age. Inequalities of age, class, gender, and race/ethnicity are addressed in all topical areas.

Doing a concentration in Health and Aging requires the same number of total units as for a Major or Honours Degree in Sociology. Students must also complete the core course, SOCI 285, Health over the Life course, and choose 3 electives from the following courses:

SOCI 343	Population Dynamics
SOCI 345	Sociology of Mental Health
SOCI 385	Sociology of Aging
SOCI 443	Population Problems and Policies
SOCI 445	Sociology of Health and Illness
SOCI 488	Sociology of Death and Dying

Concentration in Social Justice and Social Change

This concentration highlights a family of approaches to sociology that view the discipline as engaged with the issues, problems, and struggles of our times. It is critical of social inequality, emphasizes the power that social actors have to change these social inequities, and is engaged in developing solutions to social inequity. Topics include social injustice, social inequality, the transformative potential of social movements, the relationship between sociological research and social policy, and historical perspectives on the ways in which sociology has been engaged with social control, social reform, and social activism.

Doing a concentration in Social Justice and Social Change requires the same number of total units as for a Major or Honours Degree in Sociology. Students must also complete the core courses, SOCI 450, Sociology and Social Justice, and SOCI 373, Critical Research Strategies, and choose 2 electives from the following courses:

SOCI 307	Regulation and Social Control
SOCI 315	Class, Status, and Power
SOCI 316	Social Movements
SOCI 328	Diversity and Equity
SOCI 335	Racialization and Ethnicity
SOCI 381	Sociology of Gender
SOCI 401	Sociology of Law
SOCI 418	Social Change
SOCI 481	Feminist Theory

SOCIOLOGY CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Social Sciences is described on page 203. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 46.

The Sociology Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Sociology-related positions in the public, private or non-profit sectors. Normally, the expected number of weeks per work term is 15 and the expected number of hours per week is 35. The minimum number of weeks per work term is 12 and the minimum number of hours per week is 35.

Admissions to the Sociology Co-op

Entry into the Sociology Co-op Program is open to full-time students (those taking 6 or more units per term) who are proceeding to an Honours or Major program offered by the department. To be considered for admission to the Sociology Co-op Program, students must have completed, by the end of their second year, SOCI 100, 210 and 211 (or their equivalents) with a GPA of at least 5.0. In addition to these grade

and course requirements, admission will be based on a student's interests and abilities.

Students interested in participating in the Co-op Program should normally apply at the beginning of their second year of studies. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will normally alternate with study terms thereafter.

To continue with the program, students must maintain a minimum GPA of 5.0 in Sociology and 5.0 overall. To graduate with a Co-operative Education designation, students must satisfactorily complete three work terms. Each work term is recorded on the student's official transcript of academic record (as COM, N/X or F/X). A student may withdraw from the Sociology Co-op Program at any time during an academic term and graduate with a Sociology BA degree without the Co-operative Education designation.

Work term credit by challenge, page 45, is permitted in the Sociology Co-op Program.

Further information concerning the Sociology Co-op Program may be obtained from the department and from the Social Sciences Co-operative Education office.

Interdisciplinary Programs

The University of Victoria offers a number of interdisciplinary degree and diploma programs at the undergraduate level that do not reside in a single academic unit. These programs allow students to undertake course work from more than one discipline.

In addition to the programs described in this section, some faculties at UVic offer interdepartmental or interfaculty degree programs. For details, consult specific faculty or department entries.

Arts of Canada Program

The Faculty of Humanities and the Faculty of Fine Arts jointly offer an interdisciplinary program in the Arts of Canada, intended to give students the opportunity to gain a broad knowledge of Canada's artistic diversity. This is a General Program leading to the BA degree (see General Program, page 143). Students may obtain a Minor by completing the requirements for the General Program together with a Major or Honours program or other degree program in another department or faculty (see Minor Program, page 143).

ARTS OF CANADA MINOR PROGRAM REQUIREMENTS

Students wishing to declare a Minor in Arts of Canada should contact the advising centre for their faculty. Students in this program are required to take:

1. the 3-unit introductory course FA 225 (ACAN 225)
2. 9 units of 300- and 400-level courses representing at least three different areas selected from the following list:

English

ENGL 448 (1.5)	Special Studies in Canadian Literature
ENGL 450 (1.5)	Modern Canadian Fiction
ENGL 451 (1.5)	Contemporary Canadian Fiction
ENGL 452 (1.5)	Modern Canadian Poetry
ENGL 453 (1.5)	Contemporary Canadian Poetry
ENGL 455 (1.5)	Canadian Literature in Transnational Times

ENGL 456 (1.5)	Literature of British Columbia
ENGL 457 (1.5)	Literary and Cultural Criticism in Canada
ENGL 458 (1.5)	Comparative Studies in Contemporary French and English Canadian Literature
ENGL 459 (1.5)	Early Canadian Literature
ENGL 476 (1.5)	Indigenous and Diasporic Literatures in Canada
ENGL 477 (1.5)	Indigenous Literature in English

Fine Arts

FA 315 (1.5 or 3.0)	Introduction to Canadian Cultural Policy
FA 360 (1.5 or 3.0)	Introduction to Issues in Arts Criticism

French

FRAN 414 (1.5)	Topics in Quebec Literature before 1950
FRAN 415 (1.5)	Topics in Quebec Literature after 1950
FRAN 416 (1.5)	Topics in French-Canadian Literature Outside Quebec
FRAN 417 (1.5)	Comparative Studies in Contemporary French and English Canadian Literature

History in Art

HA 368A (1.5)	History of Early Canadian Art
HA 368B (1.5)	History of Twentieth Century Canadian Art
HA 382A (1.5)	Native North American Arts
HA 382B (1.5)	Native North American Arts
HA 382C (1.5)	Native North American Arts
HA 384 (1.5)	Arts of the Northwest Coast
HA 468 (1.5)	Special Studies in Canadian Art
HA 480 (1.5 or 3.0)*	Topics in 20th Century Native North American Art
HA 482 (1.5)*	Special Studies in Tribal Arts

** Because the topic of this course varies from year to year, it must be approved by the Associate Dean of Fine Arts for credit towards an Arts of Canada Program.*

Music

MUS 324 (1.5 or 3.0)	Music in Canada
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Theatre

THEA 414 (1.5)	Studies in Canadian Theatre and Drama
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Writing

WRIT 330 (1.5) Canadian Media and Culture
Although there is no formal language requirement for the Program, students are strongly advised to develop proficiency in French.

Students are strongly urged to take advantage of electives which provide a strong historical, sociological, economic, linguistic, political background to the study of Canadian arts. These should be chosen in consultation with the Director of the Program.

Film Studies Program

The Faculties of Humanities and Fine Arts jointly offer a General Program in Film Studies. This program leads to the BA degree (see General Program, page 143). Students may obtain a Minor by completing the requirements for the General Program together with a Major or Honours program or other degree program in another department or faculty (see Minor Program, page 143). Priority for admission to courses in Film Studies will go to students registered in the Film Studies Program or majoring in one of the departments offering courses in the Program.

FILM STUDIES MINOR REQUIREMENTS

Students wishing to declare a Minor in Film Studies should contact the Advising Centre for their faculty after completing HA 295 (Introduction to Film Studies) with a grade of B- or better.

Students in this program are required to take 9 units of courses (except HA 295) selected from the following list:

English

ENGL 413 (1.5)	Studies in Film and Literature
ENGL 414A (1.5)	American Film to 1945
ENGL 414B (1.5)	American Film Since 1945
ENGL 415 (1.5)	Special Studies in Film

Fine Arts

FA 305 (1.5 or 3.0)	Theory and Practice of Film and Video Direction
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French

FRAN 335 (1.5)	Topics in Cinema and Literature of the French speaking World (in English)
FRAN 389A (1.5)	French Cinema
FRAN 389B (1.5)	Quebec Cinema
FRAN 389D (1.5)	African Cinema
FRAN 389E (1.5)	The Court of Louis XIV on Screen

German

GERS 356 (1.5)	A Short History of German Film
GERS 433 (1.5)	"Overcoming the Past" in Film and Text
GERS 437 (1.5)	Major German Filmmakers
GERS 439 (1.5)	The New German Cinema
GERS 483 (1.5)	Recent German Film
GERS 487 (1.5)	A Cultural History of Vampires in Literature and Film

Greek and Roman Studies

GRS 382 (1.5)	The Ancient World on Film
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History in Art

HA 312 (1.5)	Feminism and Film
HA 363 (1.5)	The Cinema and Modern Art Movements
HA 364 (1.5)	Documentary Film
HA 365 (1.5)	Experimental Film
HA 367 (1.5)	History in Cinema
HA 370 (1.5)	Popular Film and Cultural Theory
HA 477 (1.5)	Advanced Seminar in Film Studies
HA 478 (1.5)	Advanced Seminar in Popular Culture

Italian

ITAL 485 (1.5)	Italian Film
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Music

MUS 315 (1.5)	Topics in Music and the Cinema
MUS 352 (1.5)	Introduction to Film Scoring and Sound Design

Pacific and Asian Studies

PAAS 202 (1.5)	Topics in Asian Cinema
PAAS 357 (1.5)	Topics in Contemporary Chinese Cinema
PAAS 358 (1.5)	Screening the Nation: Nationalism, Ideology, and Politics in Chinese Cinema
PAAS 372 (1.5)	Southeast Asian Cinema
PAAS 393 (1.5)	Humanism in Japanese Cinema to 1960
PAAS 487 (1.5)	Trends in Japanese Cinema, 1960 to Present

Russian

RUSS 304A (1.5)	Cinema in the Soviet and Post-Soviet Periods I
RUSS 304B (1.5)	Cinema in the Soviet and Post-Soviet Periods II
RUSS 315 (1.5)	Sculpting in Time: The Cinematic Art of Andrei Tarkovsky
RUSS 416 (1.5)	Stalinist Cinema

Spanish

SPAN 485A (1.5)	Spanish Film
SPAN 485B (1.5)	Latin American Film

Women's Studies

WS 340 (1.5)	Indigenous Cinema: Decolonizing the Screen
WS 349 (1.5)	Topics in Film, Literature and Cultural Production

Writing

WRIT 300 (1.5)	Narrative and Mythic Structure in Film Writing
WRIT 312 (1.5)	Structure in Cinema and Television Drama
WRIT 320 (1.5)	Film Writing and Production Workshop
WRIT 329 (1.5)	International Film Writing
WRIT 412 (1.5)	Recurrent Themes in Film
WRIT 420 (1.5)	Film Writing and Production Workshop

Indigenous Studies Program

The Faculty of Humanities and the Faculty of Social Sciences jointly offer an interdisciplinary program in Indigenous Studies intended to provide both Indigenous and non-Indigenous students with a core program incorporating Indigenous world views and ways of knowing. This is a General Program leading to the BA degree (see General Program, on page 143 and on page 202). Students may obtain a Minor by completing the requirements for the General Program together with a Major or Honours program, or other degree program, in another department or faculty (see Minor, on page 143 and on page 203; Interfaculty Programs, on page 142 and on page 202).

The core program will prepare any student intending to enter a vocation jointly serving Indigenous and non-Indigenous peoples. It will further prepare Indigenous students who are planning to serve in Indigenous communities and are enrolled in professional programs at the University of Victoria.

Students in the program are required to take the 3.0 unit introductory course (IS 200) and the 1.5 unit capstone course (IS 400), plus 7.5 units of approved 300- and 400-level courses. If any of these upper-level courses form part of the student's Major, Honours or General program in another department, it cannot be used to fulfill the requirements for the Indigenous Studies Program.

Queries about courses and course requirements should be directed to the Indigenous Studies Program Coordinator, c/o Anthropology department.

European Studies

The Faculties of Fine Arts, Humanities and Social Sciences jointly offer an interdisciplinary Minor in European Studies. Students may obtain this Minor by completing the requirements given below, together with an Honours or Major program, or other degree program, in another department or faculty (see Minor, and Interfaculty Programs, pages 105, 143 and 202). The

principal aim is to provide students with a thorough understanding of Europe's multifaceted history, cultures and fast-changing political realities. Important changes that the process of European integration has provoked regarding Europe's internal political, social, cultural and economic structures and their relationship to the rest of the world will be examined.

A total of 9 units of courses must be completed. Students in the Minor in European Studies are required to take 3-6 units of core courses (EUS 300 and 301; these interdisciplinary courses will be team-taught at the 300 level) and 3-6 units of elective courses at the 200, 300 and 400 levels, chosen from a variety of disciplines (except with the permission of the Director of European Studies, no more than two courses may be taken from any single department). At least 3 units of elective courses must be at the 300 or 400 level. A list of elective courses will be provided. If any core course or elective course forms part of the student's Honours or Major program, or other degree program, it cannot be used to fulfil the requirements for the Minor in European Studies. Furthermore, each student must acquire a second-year standing in a European language other than English (normally this requirement will be satisfied by completion of 3 units of 200-level language courses with at least a B-). Students are strongly encouraged to plan their program in consultation with the Director of European Studies.

Queries about this program should be directed to the Director of European Studies, c/o Chair of the Political Science department.

Diploma Program in Canadian Studies

This interdisciplinary program leading to a Diploma in Canadian Studies is offered co-operatively by the Faculty of Humanities, the Faculty of Social Sciences, the Faculty of Fine Arts and the Division of Continuing Studies. The program is especially designed to provide short, integrated academic programs for international and Canadian students. For information on the Certificate in Canadian Studies, see the Division of Continuing Studies calendar.

The program objectives are to:

- introduce students to the study of Canada from different perspectives
- provide an opportunity for Canadian students to study Canada with international students
- provide a supportive academic environment to assist international students in making the transition to a Canadian university
- assist international students in developing their English (French) language skills
- encourage dialogue between Canadian and non-Canadian students at the University of Victoria

Students are admitted to the diploma program on the recommendation of the faculty coordinator and/or the chair of the program steering committee. Proficiency in English will be a major criterion for admission of international students; therefore, an enriched program for language skill development such as the University Admission Preparation Course (UAPC) is essen-

tial. To remain in the program, students must maintain a grade point average of at least 4.0.

The diploma requires admission to the university and completion of a minimum of 18 credit units. The diploma requires the completion of the three core credit courses (CS 101, 102 and 200) and 13.5 units of elective courses. Priority for enrolment in these courses will be given to students in the diploma and certificate programs in Canadian Studies. Students in other programs may enrol in these courses by permission of the chair of the program steering committee. Students may choose elective courses from appropriate existing credit courses offered at the University of Victoria, subject to the faculty coordinator's approval. Diploma students may transfer a maximum of 4.5 units of appropriate credit courses completed at other institutions. Credit obtained within the diploma program may be transferable to a regular undergraduate degree program. However, such transferability of credit is always subject to the specific requirements of the degree program.

The Canadian Studies diploma program will normally require a minimum of three semesters of residency at the University of Victoria. The diploma program must be completed within the first four years of initial registration.

All inquiries concerning details and regulations of the program should be addressed to Maxine Reitsma, Program Coordinator, Division of Continuing Studies; email: maxiner@uvic.ca.

Humanities Diploma Program

Faculty Coordinator, TBA

The diploma program in the humanities is designed primarily for mature students who wish to explore possibilities for study in the humanities without committing themselves to a full degree program. Candidates must have sought and obtained admission to the university. Students are admitted to the diploma program on the recommendation of the faculty coordinator and/or the chair of the program steering committee.

Students may complete the program on a part-time basis, but must complete successfully at least 18 units of course work over a period of two to six years. Diploma students, with the guidance and assistance of a faculty coordinator, will arrange a program of courses organized around a particular theme or period. Students may select courses from faculties and divisions other than the Faculty of Humanities, but such selection will be subject to the permissions of the departments involved and to the approval of the faculty coordinator.

In the first year of their program students must take HUMA 100, a credit seminar, and HUMA 010, a brief non-credit orientation seminar. To remain in the program and to graduate in the program, diploma candidates must maintain a grade point average of at least 4.0.

Credit obtained within the Humanities Diploma Program may be transferable to a regular undergraduate degree program. However, such transferability of credit is always subject to the specific requirements of the degree program.

The program is administered jointly by the Faculty of Humanities and by the Division of Continuing Studies. All inquiries concerning details and regulations of the program should be addressed to Maxine Reitsma, Program Coordinator, Division of Continuing Studies; email: maxiner@uvic.ca.

Diploma Program in Intercultural Education and Training

*Chair, Program Steering Committee:
Dr. Alison Preece*

The Interdisciplinary Diploma Program in Intercultural Education and Training (IET) has been designed for part-time or full-time study for students and professionals working or planning to work in a multicultural or cross-cultural environment. Participants can expect to acquire:

- a clearer understanding of the problems connected with intercultural relations and cross-cultural communication, and the various approaches to their explication;
- a clearer understanding of issues concerning cultural conflicts, racism, power and equity;
- skills which will facilitate intercultural relations and cross-cultural communication in the workplace, in the local community and in international settings;
- skills which will assist in reducing conflict and inequality based on racism and ethnocentrism.

The curriculum is designed to develop both knowledge and skills, and consists of interdisciplinary credit courses totalling 18 units, apportioned as follows:

Core courses.....	7.5
Electives.....	7.5

EITHER

Practicum.....	3.0
or Final Project.....	3.0

OR

Practicum.....	1.5
and Final Project.....	1.5

Core Courses

ED-D 423	1.5
Either HIST 358D or HIST 358G	1.5
IET 430.....	1.5
LING 397 or LING 395	1.5
Either SOCI 335 or ANTH 335	1.5

Up to 3.0 units of transfer credits may be approved as elective credits. Subject to the specific requirements of the degree program, credit obtained within the Diploma Program in Intercultural Education and Training may be transferable to a regular undergraduate degree program. Students may apply course credit to both a degree and the IET diploma.

The program is administered jointly by the Intercultural Education and Training Diploma Program Steering Committee and by the Division of Continuing Studies. All inquiries concerning details and regulations of the program should be addressed to Robyn Fila, Division of Continuing Studies, 250-721-8462; or <iet@uvcs.uvic.ca>. Information is also available at: <continuingstudies.uvic.ca/iet>.

Co-operative Education Option

Diploma candidates who complete one or more work terms through the Co-operative Education Program will receive Co-op notation on graduation.

Students who participate in the Co-operative Education Option are normally required to complete one work term after the completion of core courses and a minimum of three elective courses.

Co-operative education students within the Diploma Program in Intercultural Education and Training will normally be required to complete all their program requirements within a 24-month period in order to maintain the full-time status required for participation in the Co-operative Education Program. General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 46. For further information on the Co-operative Education Option and to apply for the Co-op program, visit the Co-op website at: <mycoop.coop.uvic.ca>.

Minor in Applied Ethics

The Faculty of Humanities and the Faculty of Human and Social Development jointly offer an interdisciplinary program in Applied Ethics. This program is designed to provide students with the resources needed to deal with a wide range of ethical problems they will encounter in their personal and professional lives. Students may obtain this Minor by completing the requirements specified below. It is designed to supplement any undergraduate degree or any professional degree program. Students wishing to take a Minor in Applied Ethics should contact the Humanities, Social Sciences and Sciences Advising Centre.

MINOR IN APPLIED ETHICS PROGRAM REQUIREMENTS

PHIL 232 and PHIL 337	3.0
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A further 6.0 units from a list of electives available on the Minor in Applied Ethics webpage <web.uvic.ca/philosophy/web_pages/applied_ethics.php>

At least 3.0 units must be at the 300 or 400 level.

No more than 6.0 units from any one department may count toward the Minor.

PHIL 232 and 337 may not be counted toward both an Honours, Major, General or Minor degree in Philosophy and a Minor in Applied Ethics.

Queries about the list of electives should be directed to the Humanities, Social Sciences and Sciences Advising Centre or the Applied Ethics Minor Coordinator, c/o Department of Philosophy.

Social Justice Studies

The Faculties of Human and Social Development, Humanities and Social Sciences jointly offer an interdisciplinary Minor in Social Justice Studies. The program is also available as a Diploma, through the Division of Continuing Studies (see below). The aim of the program is to provide students with a thorough understanding of the range of ways to address and engage with issues of social inequality and injustice in the con-



temporary world from a variety of disciplinary perspectives.

Students may obtain a Minor by completing the requirements given below and completing an Honours, Major, or General degree program.

Minor program

The Minor program requires 13.5 units of coursework:

- SJS 100, 200, 400A (4.5). Normally, students take 100 first, but 100 and 200 may be taken in either order, or concurrently. 100 and 200 are interdisciplinary team-taught courses.
- SJS 400B (1.5) or 1.5 units from the list of eligible courses available at the program website: <web.uvic.ca/socialjustice>.
- 7.5 units selected from the list of elective courses.
- A minimum of 3 units selected from each of the two designated areas of Social Justice Studies in the list of eligible courses: theory and method; substantive analysis.
 - No more than 3 units from any one department or School may be counted for credit towards the Minor.
 - Any course that constitutes part of a student's Honours, Major, General, or Minor program, or option, cannot be used to fulfil the requirements for the SJS Minor.

Diploma program

The Diploma program requires 18 units of coursework:

- SJS 100, 200, 400A (4.5)
- SJS 400B or 1.5 units from the list of eligible courses.
- 12 units selected from the list of eligible courses.
- A minimum of 3 units must be selected from each of the two designated areas of Social Justice Studies in the list of eligible courses: theory and method; substantive analysis.
 - No more than 3 units from any one department or School may be counted for credit towards the Diploma.

Students are strongly encouraged to plan their program in consultation with the Director of Social Justice Studies (sjs@uvic.ca).

Human Dimensions of Climate Change

The Faculty of Social Sciences offers an interdisciplinary Minor in the Human Dimensions of Climate Change. The program provides students with a thorough understanding of the human aspects of climate change, including its political, economic, geographic, psychological, and sociological dimensions, together with an introduction to its physical aspects. Students may obtain this Minor by completing the requirements below, together with an Honours, Major, or General program.

The Minor program requires 13.5 units of coursework, including GEOG 110 or EOS 110 as a prerequisite for HDCC 200:

ECON 383 or GEOG 314	1.5
EOS 365.....	1.5
HDCC 200	1.5
HDCC 400	1.5
6 units from the list of approved electives.....	6.0

Queries about the program, its prerequisites, or its list of approved electives should be directed to the Director of the Human Dimensions of Climate Change program at <hdcc@uvic.ca> or at the Advising Centre for Humanities, Science and Social Sciences. Students are encouraged to inquire about and to plan their HDCC program.

Technology and Society

Director: Dr. Bradley Bryan, B. (Hons), MA, LLB (Victoria), PhD (Berkeley)

The Faculties of Social Sciences, Humanities, Fine Arts, Engineering, Human and Social Development and Education jointly offer an interdisciplinary program in technology and society. The program is intended to be a forum for engagement with technological change and its rapid transformation of contemporary society. In a global culture driven forward by dramatic developments in technology, no aspect of politics, culture and society is left undisturbed. The Minor in Technology and Society is designed to provide students with the opportunity to critically engage in the exploration, understanding and critical assessment of technological change in a wired and wireless world.

Students may obtain this Minor by completing the requirements given below, together with an Honours or Major program or other degree program in another department or faculty. Students in the program are required to take 4.5 units of core courses (TS 200, 300, 400) as well as 7.5 units of electives chosen from approved courses, for a total of 12 units. If any of these courses form part of the student's Honour, Major or General program, they cannot be used to fulfill the requirements for the Minor in Technology and Society.

Queries about this program should be directed to the Technology and Society Minor Program Director, at <techsoc@uvic.ca>, or to the Advising Centre for the Humanities, Science and Social Sciences. The website for the Minor Program in Technology and Society is located at <web.uvic.ca/~techsoc>.

Division of Continuing Studies

Office of the Dean

Maureen M. MacDonald, BA, LLB (Manitoba),
MBA (McGill), PhD (North Dakota), Dean

Administration

Wayne Brunsdon, CA, BCom (Sask), Manager,
Administrative Services

Christina Gambrell, Program Coordinator,
Student Recruitment

Ahmad Hammado, BSc (UVic), Senior Systems
Analyst

Robert Newans, Network Administrator

Dean Crawford, BSc, BComm (UVic), SRS Senior
Systems Analyst (Team Lead)

Arts and Science Programs

Didier Bergeret, BEd (Alberta), BA, MA
(Besançon), Program Coordinator

Janet Pivnick, PhD (Calgary), Program
Coordinator

Janet King, BA (UVic), Program Coordinator

Heather McRae, BRE (UBC), MSc (Oregon), EdD
(SFU), Program Director

Maxine Reitsma, BA (UVic), Program Coordinator

Business, Management and Technology Programs

Elisabeth Bach, MEd (Germany), Program
Coordinator

Richard Mimick, BSBA (Creighton), CPA (US),
MBA (Nebraska), Program Director

Marlowe Morrison, BA (UVic), Program
Coordinator

Rhordon Wikkramatileke, BA, MPA, PhD (UVic),
Instructor and Curriculum Developer

Patricia Webster, Program Coordinator

Continuing Studies in Education

Alison Brophey, BA (Western), BEd (Nipissing),
Program Coordinator

Hayley Hewson, BA (UVic), Program Coordinator

Roger Howden, BA (San Jose), MA (SFU), Program
Director

Beverly Smith, BSc, MSc (UVic), PhD (Oxford),
Program Coordinator (on leave)

Continuing Studies Library Service

Carol Gordon, BA (Brock), MA (McMaster),
MLibSc (UBC), PhD (McMaster), Head Librarian

Cultural Management Programs

Joy Davis, BA (UVic), MA (Toronto), PhD
candidate (UVic), Program Director

Robyn Fila, BA (UVic), MA (Linköping), Program
Coordinator

Anissa J. Paulsen, BA (Northwestern), MA (San
Francisco State), Program Coordinator

Brenda Weatherston, BA, MA (UVic), Program
Coordinator

Distance Education Services

Manesh Bhathella, Online Help Desk Consultant

Katy Chan, BFA (UVic), Online Course Developer
and Administrator/Distance Education
Consultant

Susan Doner, BA (McGill), MA (UVic), Online
Course Developer and Administrator/Distance
Education Consultant

Trevar Pearce, BA (UVic), Online Course
Developer/Onlinehelp Desk Consultant

Emily Schudel, BFA (Regina), BA honours
(Regina), MA (Regina), PhD candidate
(Manitoba), Online Course Developer and
Administrator/Distance Education Consultant

Katherine Seaborne, BA, MEd (UVic), MA
(Northwestern), EdD (Deakin), Manager

Judith Somers, BA (Wash State), Multimedia
Designer and Producer/Distance Education
Consultant

Keith Webster, BA (UVic), MA (UVic), Online
Course Developer and Administrator/Distance
Education Consultant

English Language Centre

Cathy Aquart, BA (UVic), Program Coordinator
Curriculum Development

Ramona Cook, BA (Carleton), Program
Coordinator

Lily Chow, BEd, MEd (UVic), Program
Coordinator

Byron Crossley, BA (UVic), ESL Educational
Technology Consultant

Paula Leahy, BA (Western), Med (OISE - Toronto),
Program Coordinator Home Placement Program

Don Mellings, Program Coordinator

Jacqueline Prowse, BA (UVic), MEd (Temple), EdD
(Calgary), Co-Director

Deborah Shepherd, BA (Malaspina), Program
Coordinator

Avril Taylor, BA (Bristol), MA (Surrey), Co-
Director

Catriona Allsopp, BA (UVic), Program
Coordinator

Health Sciences and Public Relations Programs

Faith Collins, BSc (Mt St Vincent), BA, MEd, EdD
(Seattle), Program Director

Julia Liska, RN, BEd (Brock), Program
Coordinator

Laura Vizina, BSc (UBC), MEd (Calgary),
Program Coordinator

Divisional Marketing Services

Levent Batur, BA (Marmara University), MBA (St.
Mary's), Director

Joan Kew, PGCertEdit (Macquarie University,
Australia), Program Coordinator

Matt Salik, Website Developer

Michael Turner, BA honours (Middlesex),
Manager - Promotion and Publications

Continuing Studies Programs

To ensure access to the academic resources of the University of Victoria by a broad and diverse community of adult learners, the Division of Continuing Studies provides a broad range of on- and off-campus professional and personal development programs that complement and supplement degree programs offered at the university.

For further information on any program offered by the Division of Continuing Studies, please call or write:

Division of Continuing Studies
University of Victoria
PO Box 3030 STN CSC
Victoria BC V8W 3N6
Phone: 250-472-4747
Fax: 250-721-8774
Web: <www.uvcs.uvic.ca>

Credit Courses and Programs

The Division of Continuing Studies provides courses and programs for credit in the Faculties of Education, Humanities and Social Sciences. These include courses offered off campus as well as evening courses and programs offered on campus at UVic.

Information on credit courses and programs is available as follows:

- Credit courses offered off campus:
 - *Distance Learning and Immersion Course Guide for Off-Campus Students* (see Distance Education, below)
- On-campus evening courses and off-campus courses starting in September and January:
 - *Consult the Web Timetable at* <www.uvic.ca/timetable>.

Academic Regulations

Academic rules and regulations published in this Calendar, except as described in any Program Supplement to the Calendar, apply to students taking courses under this section.

The Division of Continuing Studies reserves the right to cancel or reschedule courses or other offerings without notice, and to establish special regulations for admission to non-degree programs or courses. If a course or offering is cancelled or rescheduled, the liability of the Division of Continuing Studies is limited to a refund of the course fee, or, if desired, transfer to another offering. The relevant law for all matters

concerning these programs shall be the law of the Province of British Columbia, Canada.

Students are responsible for ensuring their course selection conforms to the requirements of their degree program. Students seeking academic advice regarding degree programs should consult the appropriate academic advising centre:

- Advising Centre, Faculties of Humanities, Science and Social Sciences, A205, University Centre. Telephone: 250-721-7567
- Advising Centre, Faculty of Education, Room 250, MacLaurin Building. Telephone: 250-721-7877

Students in the Faculty of Fine Arts or the Faculty of Human and Social Development should contact the specific department or school.

Regulations governing application and registration procedures and fees are detailed in the appropriate supplement. Late afternoon and evening courses, which would be of particular appeal to part-time students, are located in the *Undergraduate Registration Guide and Timetable*, available from Records Services. The late afternoon and evening credit courses are identified with a double asterisk (**).

Professional Development Programs

For information phone 250-472-4747

These programs are planned to meet the specific continuing education needs of persons working in the professions. Courses and workshops are offered throughout the province in co-operation with regional colleges and professional organizations.

Programs for professionals leading to certificates and diplomas are offered in the following areas:

- Aboriginal Language Revitalization (Certificate)
- Adult and Continuing Education (Certificate)
- Business Administration (Certificate and Diploma)
- Business Studies for International Students (Certificate)
- Canadian Studies (Certificate and Diploma)
- Collections Management (Professional Specialization Certificate)
- Computer Based Information Systems (Certificate)
- Cultural Resource Management (Diploma)
- Cultural Sector Leadership (Professional Specialization Certificate)
- Environmental and Occupational Health (Certificate)
- Fine Arts (Diploma)
- Foundations in Indigenous Fine Arts (Certificate Program)
- French Language (Diploma)
- Heritage Conservation Planning (Professional Specialization Certificate)
- Humanities (Diploma)
- Intercultural Education and Training (Diploma)
- Native Species and Natural Processes (Professional Specialization Certificate)

- Public Relations (Certificate)
- Restoration of Natural Systems (Certificate and Diploma)
- Social Justice Studies (Diploma)
- Teaching English as a Foreign Language (Professional Specialization Certificate)
- Teaching French Immersion (Professional Specialization Certificate)

Online and Distance Education Programs

For information phone 250-721-8454 or visit <www.distance.uvic.ca/>

In collaboration with various faculties, Continuing Studies offers credit courses, professional development and community education programs which permit students throughout the province to study on a part-time basis. Programs use a variety of instructional delivery methods including web-based instruction, online instruction, audio conferencing, videotapes, audiocassettes, CD-ROMs, print and face-to-face instruction through workshops and seminars. Regular contact with the instructor is an important component of all distance education courses.

The University of Victoria's online and distance education offerings are listed in the *Distance Learning and Immersion Course Guide for Off-Campus Students* which can be obtained by calling 250-721-8471 or by email to <lmorgan@uvic.ca>. The guide is also available at the above web address. Summer distance courses are listed in the *Summer Session Calendar*.

Community Education Programs

For information phone 250-472-4747

Community Education Programs use a variety of educational formats, such as courses, lecture series, workshops, conferences, residential seminars, travel study and symposia. The curriculum is developed in co-operation with departments from all faculties of the University. Areas include:

- Adult Education
- Arts and Science
- Business, Management and Technology
- Career Planning
- Cultural Studies
- Education
- Fine Arts
- Health Sciences
- Languages
- Law
- Public Relations
- Travel and Residential Study

Additional courses and workshops are developed on a variety of topics, such as dispute resolution, as needs arise and academic resources permit. Educational packages consisting of print materials, audiocassettes, videotapes and CD-ROMs are developed for self-directed learning. Also, a number of programs under SAGE (Stimulate, Advance and Guide Education) focus on peer

learning and peer teaching and use study groups as a format for delivery.

English Language Programs

The English Language Centre provides English language programs for international and Canadian students from beginning levels to University Admission Preparation. Three-month intensive programs are offered beginning in September, January and April. Short-term immersion programs are scheduled throughout the year. Specialized programs, such as English for Teachers, Business English, Canadian Studies and University Admission Preparation, and TOEFL courses are also offered, in addition to customized programs of language and culture for corporations and institutions from various countries.

A series of CD-ROMs is also produced by the English Language Centre:

- *Business English: Meetings*
- *North American Idioms*
- *North American Culture and Etiquette*
- *Jason's World/Judy's World*

Online courses available at <www.English-world.ca> include *Beginner's Writing*, *Intermediate Writing*, *Advanced Writing*, *Introduction to Information Technology English*, *Beginner Listening*, *Intermediate Listening*, and *Advanced Listening*.

Please visit our website <www.uvcs.uvic.ca/elc> for more information about the programs offered at the English Language Centre. You may also contact us by email elc@uvcs.uvic.ca, phone 250-721-8469, or fax 250-721-8774.

University Admission Preparation Course

For information phone 250-721-8469

The University Admission Preparation Course is a twelve-week course for students whose first language is not English, which prepares students to attend university in an English-speaking country.

Successful completion of the course enables students to enrol at UVic without writing a TOEFL exam.

Conference Management

For information phone 250-721-8473

Conference Management offers a conference registration service to assist University and other groups and organizations with delegate registrations for meetings, seminars and conferences, both on and off campus.

Division of Medical Sciences

Dr. Oscar G. Casiro, MD, FRCPC, Head, Division of Medical Sciences (UVic), Regional Associate Dean, Vancouver Island, Faculty of Medicine (UBC)

Bruce Crawford, BSc (UVic), PhD (Wash.), MD (UBC), Professor

Brian Christie, BSc (Calgary), MSc (Calgary), PhD (Otago), Associate Professor

Patrick Nahirney, BSc (Wash.St.), MSc, PhD (UBC), Assistant Professor

Craig Brown, BA (Man), MSc (Calgary), PhD (Calgary), Assistant Professor

Jane Gair, BSc (McMaster), BSc (UBC), PhD (UBC), Senior Instructor

Stan Bardal, BA, BSc (Pharm), MBA, PhD (U of S), Senior Instructor

Website: <imp.uvic.ca/research/>

The Division of Medical Sciences is a newly established and rapidly growing program at the University of Victoria that promotes scholarship and innovation in research and medical education to address societal health needs. With a strong emphasis on neuroscience based research, faculty members within the Division are working with the Departments of Biology, Psychology, Biochemistry and Microbiology, and the Faculty of Graduate Studies, to develop the University of Victoria's first graduate program in Neuroscience (see <imp.uvic.ca/research/neuroscience/>). The goal of the program is to create an environment with superior training in Neuroscience that will position graduate students to become future leaders in this field of research, in addition to being well-trained medical educators.

A select number of Division Courses are available to UVic students. Please see the MEDS course listings for details.

Island Medical Program

Website: <www.imp.uvic.ca>

The Island Medical Program is an integral part of the University of British Columbia's medical school expansion aimed at increasing the number of medical students, in collaboration with the University of Victoria (UVic) and the University of Northern British Columbia (UNBC), through an innovative model of distributed education. All students will be fully registered at UBC and will receive UBC degrees. Each year, 256 students are admitted to the UBC MD Undergraduate Program: 32 to the Island Medical Program (IMP) at UVic, 32 to the Northern Medical Program (NMP) at UNBC, and 192 to the Vancouver-Fraser Medical Program (VFMP).

Students in the IMP spend the first four months of their undergraduate medical program in Vancouver and the remainder of the first two years at UVic. During the clinical third and fourth years of the program, students will have the opportunity to spend a significant amount of time in hospital and community-based clinical settings as a result of partnerships with the Vancouver Island Health Authority and many island-based physicians. After successfully completing the four-year MD undergraduate program, graduates enter residency training across Canada and beyond in one of over 50 specialty areas. Post-graduate training ranges from two to six years.

Admission

Applications for admission are considered from candidates who are citizens or permanent residents of Canada and who have completed all other application requirements, as outlined on

the UBC Faculty of Medicine Admissions website: <www.med.ubc.ca/admissionsmd/>.

Applications are submitted to the Faculty of Medicine at UBC.

Advising is available at UVic through <imp.uvic.ca/admissions/>.

Registration

Island Medical Program students will be fully registered at UBC and will be subject to the academic regulations of UBC's Faculty of Medicine, including regulations concerning course content, grading, progression and graduation. Official transcripts will be issued by UBC.

Students studying in the Island Medical Program will have full access to student support services at the University of British Columbia, including awards and financial aid. Further information is available at <www.med.ubc.ca/md>.

Affiliate Status

Students in the Island Medical Program will be granted "Affiliate" status at UVic. Affiliate status allows IMP students to access UVic libraries and the following UVic-based campus services: Athletics and Recreation, Health, Counselling, Child Care, Chaplains, the Resource Centre for Students with a Disability (by arrangement with the UBC centre) and Housing.

UVic non-academic policies and procedures will govern IMP student conduct on the UVic campus.



Research Centres

Vice-President Research

Howard Brunt, BA (Florida), ADN (Vermont), MScN (Yale), PhD (Calgary), Vice-President, Research

Afzal Suleman, BSc (London), MSc (London), PhD (UBC), Associate Vice-President, Research

The Office of the Vice-President Research (through the Office of Research Services) assists the University research community in obtaining funding from external agencies and administers research, conference and travel funds through internal support programs. The Office is also responsible for the regulation of research activities through the Animal Care Committee and the Human Research Ethics Board. The Office operates the Animal Care Units and the Aquatic Research Facility following the Guidelines of the Canada Council on Animal Care. Grants facilitation assistance in applications for research grants and contracts includes identifying potential funding agencies, providing information on application procedures and advising on the preparation of proposals. Assistance with negotiating research contracts and agreements is provided in the Office.

The Office of the Vice-President, Research works in close collaboration with the following groups and oversees the activities of the University's 16 interdisciplinary research centres.

Website: <www.research.uvic.ca>

Innovation and Development Corporation (IDC) <web.uvic.ca/idc>

IDC is the University Industry Liaison Office and provides faculty and students with a comprehensive suite of services related to intellectual property protection, product commercialization, business development and industry collaboration.

Ocean Networks Canada (ONC) <www.oceannetworks.ca>

ONC is a not for profit society created by UVic in 2007 to oversee the development and operation of the NEPTUNE Canada and VENUS deep ocean and coastal cabled observatories. ONC is also responsible for the Ocean Networks Canada Centre for Enterprise and Engagement (ONCCEE), a federal centre of excellence in commercialization and research which promotes commercial applications and public outreach based on the observatory programs.

Office of Community Based Research (OCBR) <web.uvic.ca/ocbr/>

OCBR provides support and leadership for assisting community stakeholders and university researchers to collaborate on research related to addressing social and economic challenges facing society.

The Pacific Climate Impacts Consortium (PCIC) <www.PacificClimate.org>

PCIC is a consortium of research and stakeholder organizations that quantifies the impacts of climate change and variability on the physical environment of Pacific North America. PCIC bridges the gap between climate research and climate applications, and makes practical information available to government, industry, and the public.

Centre for Co-operative and Community-Based Economy

Ana Maria Peredo, BS, (Inca Garcilazo de la Vega, University of Peru), MA, PhD (Calgary), Director
Ian MacPherson, BA (Assumption U of Windsor), MA, PhD (W Ont), Professor Emeritus

The Centre is committed to defining and establishing Co-operative Studies as an important field of inquiry within the University and the community. It has a particular interest in understanding how the co-operative model functions within different kinds of contexts; how it can be further utilized in meeting economic and social needs; and how it can empower people and communities in controlling the forces that shape their lives.

Working with individuals, co-operatives, governments and other research organizations, the Centre is developing a rich resource base on Co-operative Studies in books and periodicals within the McPherson Library and in archival collections on its own premises.

The Centre collaborates with the Division of Continuing Studies, governments and the co-operative sector to ensure the information gathered on the resource base and the research activities fostered by the Centre are made readily available to the public, especially to people interested in developing co-operatives, and researchers and students in academic institutions. It does so by assisting in the offering of courses

in Co-operative Studies, the publication of reports, papers and books, and the holding of special seminars and conferences.

To support its commitment to reaching as many people as possible both within and outside British Columbia, the Centre maintains an extensive website devoted to a wide range of co-operative issues and themes, including resource information, case studies and reports, a gallery portraying stories of the co-operative movement, and an international registry that invites individuals who work in the field of co-operative research to share their research interests.

Website: <web.uvic.ca/bcics>

Centre for Aboriginal Health Research

Dr. Jeff L. Reading, MSc, PhD, FCAHS, Director

The Centre for Aboriginal Health Research is a University of Victoria research centre created in May 2008 that is dedicated to promoting and engaging in health research in partnership with Aboriginal peoples to improve their health. The Centre for Aboriginal Health research acknowledges with respect the Coast Salish and Straits Salish peoples on whose traditional territories the Centre is graciously hosted.

The Centre provides a supportive environment for students, researchers and communities to engage respectfully in research activities that aim to address the urgent health disparities experienced by First Nations, Inuit and Métis peoples in Canada. Through engaging with stakeholders in Aboriginal health in British Columbia, across Canada, and internationally, the Centre seeks to assume an active advocacy role in promoting relevant and ethical health research that seeks to improve Aboriginal peoples' health.

The Centre evolved from the Aboriginal Health Research Group at the University of Victoria which was formed by Centre Director Dr. Jeff Reading in 2006 with other University of Victoria faculty members with expertise in Aboriginal health. The Centre currently hosts a number of projects in Aboriginal health, including the Network Environments for Aboriginal Health British Columbia (NEARBC).

Centre for Addictions Research of B.C.

Tim Stockwell, PhD (University of London), Director

The mission of the Centre for Addictions Research of B.C. (CARBC) is to create an internationally recognized centre, distributed across B.C., that is dedicated to research and knowledge exchange on substance abuse, harm reduction, and addiction.

Established at the University of Victoria in 2003 through an endowment from the B.C. Addiction Foundation, CARBC has developed relationships with a large network of addictions-related agencies in B.C. and has formal partnerships with the other four major universities in B.C.: the University of B.C., Simon Fraser University, Thomson Rivers University and the University of Northern B.C. CARBC sits at arms length from government while working on shared concerns with multiple government departments, including health, police, education, and liquor licensing.

Guided by a comprehensive five year strategic plan, CARBC tracks performance results in four key areas:

- Build research infrastructure and capacity across B.C. for the conduct of research that will increase understanding and support more effective responses to substance use
- Conduct high-quality research that increases understanding of substance use and addiction, and informs effective responses
- Disseminate research findings that increase understanding of substance use and addiction, to increase awareness of related harms, and to identify effective responses
- Contribute to the implementation of evidence-based policy and practice

CARBC maintains a research and administration office at the University of Victoria, and a communication and resource unit in Vancouver, B.C.

Website: <www.carbc.uvic.ca>

Email: carbc@uvic.ca

Centre for Advanced Materials and Related Technology (CAMTEC)

Dr. Byoung C. Choi, Director

The Centre for Advanced Materials and Related Technology (CAMTEC) at the University of Victoria is a research centre committed to interdisciplinary work on advanced materials and technology. The scope of this work covers a wide spectrum of research in theoretical and applied areas. CAMTEC coordinates related research among the Departments of Biology, Chemistry, Electrical and Computer Engineering, Mechanical Engineering and Physics. CAMTEC members work in close association with scientists and engineers from the private and public sectors to ensure technology transfer to industry.

The Centre's key research areas and areas of application include: crystal growth of semiconductors, dielectric materials characterization, magnetic and superconductive materials and their applications, microscopy and nanopores, microwave and optical applications of advanced materials, advanced composites, alloys, and ceramics, integrated circuit technology, infrared detectors, microsensors for environmental and medical applications, opto-electronic and micro-electronic devices, piezoelectric actuators, and chemical sensors, with recent emphasis being in nanostructures and nanotechnology.

The Centre stimulates the development of new equipment and facilities on campus and also attracts graduate students and visiting scientists interested in advanced materials. As an interdisciplinary centre, CAMTEC has an impressive array of equipment and facilities at its disposal. The knowledge and experience gained from the research into advanced materials at CAMTEC is disseminated throughout the University, to the private and public sectors, and to other Canadian universities and institutions. The Centre accomplishes this through scientific publications, conferences, workshops and seminars, as well as through courses offered by the members.

Website: <www.camtec.uvic.ca>

Email: CAMTEC@engr.uvic.ca

Telephone: 250-721-8821

Centre for Asia-Pacific Initiatives (CAPI)

Andrew Harding, MA (Oxon), LL.M. (NUS), PhD (Monash), Chair in Asia-Pacific Legal Relations, Director

Guoguang Wu, MA, PhD (Princeton), China Program Chair

Helen Lansdowne, MA (UVic), Assistant Director

Heidi Tyedmers, MA (UVic), Program Director

The purpose of the Centre is to conduct and support the University of Victoria's Asia Pacific research and related initiatives, and to encourage the development of the University's Asia-Pacific programs and resources. The Centre's current research interests include: Southeast Asian law and development, Japan and Asia-Pacific relations, and China and Asia-Pacific relations. Associates and Research Fellows who share research interests are attached to the Centre. Linkages are established with other units on campus for purposes of collaborative research, as well as with individuals and institutions across Canada and in the Asia-Pacific. In addition to the research activities undertaken by CAPI, a wider role is taken on campus in disseminating information through conferences, workshops, symposiums and publications. The Centre manages an internship program that offers 8-month internships in the Asia-Pacific region for recent graduates. The Centre is not a teaching unit, and the faculty associated with the Centre teach in their respective departments or faculties.

For further information on CAPI programs and events, visit the centre's website at <www.capi.uvic.ca>

Centre for Asia-Pacific Initiatives
Room 131, Anne and Murray
Fraser Building
University of Victoria
PO Box 1700 STN CSC
Victoria, BC Canada V8W 2Y2
Tel.: 250-721-7020; Fax: 250-721-3107

Centre for Biomedical Research

Dr. William Cupples, Acting Director

The Centre for Biomedical Research (CBR) is a collaborative group of scientists and clinicians who are investigating a number of important biomedical problems. The CBR is a multidisciplinary unit with an emphasis on genetics, molecular biology, and biotechnology to promote interdisciplinary basic and translational biomedical research. There are seven important research clusters within the CBR: biological technology; neuroscience; developmental biology; cell signaling; cardiovascular; genetics; and infection and immunity.

Our members come from many academic units at UVic as well as from the community. These include the Division of Medical Sciences, the Vancouver Island Health Authority and the BC Cancer Agency. As such we have members from Biology, Chemistry, Microbiology and Biochemistry, Engineering, Education, Psychology, Mathematics, Medical Sciences and Exercise Science.

The Centre for Biomedical Research is home to the university's DNA Sequencing Facility. This facility is integral to the support of molecular biology research at UVic as well as research organizations in the Capital Region and throughout BC. Apart from providing the infrastructure and knowledge base necessary for high-quality analysis and interpretation of DNA, the facility is an educational resource to researchers, students and the general public.

Graduate students wishing to study in the centre must be registered with an appropriate university department. Personnel from the CBR and cooperating agencies participate in giving appropriate coursework. Both MSc and PhD work can be conducted through the Centre.

Centre for Biomedical Research
Petch 041
University of Victoria
PO Box 3020, STN CSC
Victoria, BC V8W 3N5
tel: 250-472-4067, fax: 250-472-4075
Website: <www.uvic.ca/cbr>
Email: cfr@uvic.ca

Centre for Forest Biology

C. Peter Constabel, BSc (Sask), MSc (UBC), PhD (Montreal), Department of Biology, Director

Scientists in the Centre for Forest Biology carry out fundamental and applied research and train graduate students and postdoctoral fellows in Forest Biology, emphasizing the adaptation of



trees and their interactions with the environment. Faculty members collaborate and work in close association with scientists from Forestry Canada at the Pacific Forestry Centre (PFC) and the B.C. Ministry of Forests and Range (MOFR) Research Branch. Also, associations with the forest industry and forest industry laboratories are maintained in order to ensure maximum technology transfer. The knowledge generated is disseminated through scientific publications, conferences, lectures and through the diverse academic courses offered by the Centre.

Research topics which can be pursued under the auspices of this Centre include: conifer embryogenesis; plant stress physiology; plant and fungal molecular biology; functional genomics of plant natural product metabolism; plant-pest interactions; microbial ecology; and carbon sequestration by forests and soils.

Cooperating University departments are: Biology and Biochemistry and Microbiology. Graduate students wishing to take part in the work of the Centre register with an appropriate University department, but may conduct a large part of their thesis research working with personnel and equipment of a cooperating agency. Personnel from the agencies participate in giving appropriate course work. Both master's and doctoral work can be conducted through the Centre.

Website: <web.uvic.ca/forbiol>

Centre for Global Studies

Gordon S. Smith, BA (McGill), PhD (MIT), Director
Barry Carin, Hons BA (McGill), PhD (Brown), Associate Director

The Centre for Global Studies (CFGS) is engaged in research and public awareness that promotes informed policy responses to the challenges of global governance, security and sustainability. CFGS is a unique "centre of centres," creating a dynamic, multidisciplinary environment. Currently there are seven core focus areas:

- Division of Globalization and Governance
- International Institute for Child Rights and Development
- Pacific Climate Impacts Consortium
- Division of Technology and International Development
- International Women's Rights Project (IWRP)
- Canada-Iraq Marshlands Project
- Federalism and Domestic Multilevel Governance

The Centre is strongly committed to public awareness and outreach to both the academic and public communities, allowing CFGS members to share their collective knowledge and promote debate on important issues and events.

The breadth of the Centre's activities provides employment and volunteer opportunities for several students and interns each year.

CFGS was established in 1998 through the generosity of local community donors. The Centre continues by enhancing its already extensive network of international research and funding partners, with whom it collaborates on a project-to-project basis.

For more information, please visit our website at <www.globalcentres.org>.

Centre for Studies in Religion and Society

Paul Bramadat, MA (McGill), PhD (McMaster), Director

The Centre for Studies in Religion and Society (CSRS) is an interdisciplinary research centre located in the Sedgewick Building on the University of Victoria campus. Its mission is to foster the scholarly study of religion in relation to any and all aspects of society and culture, both contemporary and historical. Since its formation in 1991, the CSRS has established itself as a leading centre in Canada for the investigation of themes and issues at the intersection of religion and public policy. It has been especially engaged in discussions and research related to the environment, globalization, ethnicity, ethics, health care, culture, science and technology, and the arts. The centre hosts collaborative research and publishing projects with Canadian and international scholars, sponsors fellowships for graduate students and visiting scholars, and hosts a dynamic annual program of lectures, seminars and conferences for the campus and local community.

Current areas of focus in the centre include research examining:

- Religion in a "securitized" environment post-9/11
- Religion and hospice care
- Religion and ethnicity in Canada
- The new atheism movement
- Ethical issues in the genetic modification of plants and animals

The CSRS has a fundamental commitment to pluralism and dialogue, encouraging participation from scholars and others from any religious, academic, or secular perspective.

The CSRS is neither a teaching nor degree or diploma-granting unit. For further information please visit <www.csrs.uvic.ca> or contact the centre at 250-721-6325.

Centre for Youth and Society

E. Anne Marshall, BA (Bishop's), MA, PhD (Toronto), Director

The Centre for Youth and Society was formally established at the University of Victoria in the spring of 2002, after several years of collaborative activity involving professors from the Faculties of Social Sciences, Education and Human and Social Development in partnership with representatives of youth-serving agencies from the Greater Victoria region.

The mission of the Centre for Youth and Society is to promote the health and well-being of youth from diverse social, economic and ethnic backgrounds in evolving societal circumstances. The Centre strives to identify the concerns of youth themselves and of society as a whole so that programs, research and training priorities are responsive those concerns. The establishment of

the Centre enables the university community to foster effective relationships with youth and members of the wider community who work with them in order to cooperatively generate and disseminate knowledge concerning the strengths, challenges, opportunities and problems of youth.

The core mandate of the Centre is to promote research and actions that contribute to the well-being of youth from diverse social, economic, and ethnic backgrounds; across developmental transitions; and in evolving societal circumstances. Additionally the goal of our research is to

- provide for the generation and dissemination of knowledge concerning strengths, challenges, opportunities, and problems of youth
- ensure that the concerns of youth themselves and of society as a whole are identified so that programs, research and training priorities are responsive to these concerns
- advance inter-disciplinary community-based research on adolescent health and development; to train specialists in interdisciplinary community-based research, education and health-care of adolescents
- advocate for youth with policy-makers and research funding agencies. In all of our research emphasis on ethical approach and scientific rigor is applied

Several faculty members of the Centre are working together with community partners on interdisciplinary research in the areas of youth health, recreation, maturity, social competence, community-youth involvement, victimization, bullying, substance abuse, depression, injury prevention and making successful transitions to adulthood.

Website: <www.youth.society.uvic.ca>

Email: cys@uvic.ca

Centre on Aging

Holly Tuokko, BA (Hons), MA (Lakehead), PhD (Uvic), R Psych, (Professor, Psychology), Director
Research Areas: mental health and aging, competency, end-of-life decision-making, geriatric assessment, dementia

Neena L. Chappell, BA (Car), MA, PhD (McM), FRSC, CRC in Social Gerontology, (Professor, Sociology), Professor

Research Areas: health care services, health care systems and policy, caregiving for older adults in Canada, caregiving among Chinese families in Canada, Hong Kong and mainland China, care for those with dementia in long-term care institutions, assessments of drug effectiveness for those with dementia

Denise Cloutier-Fisher, BSc (Calg), MA, PhD (Guelph), (Associate Professor, Geography), Associate Professor

Research Areas: healthy aging in rural contexts, impacts of restructuring, integrated and coordinated models of effective health and social service delivery and care for vulnerable older populations (e.g., those who are socially isolated, stroke survivors and palliative care clients), mixed methods research

Elaine Gallagher, BSc (Windsor), MSc (Duke), PhD (S Fraser), (Professor, Nursing), Professor

Research Areas: health of older persons, evaluation research, social support and stress, safety and security, gerontology, health promotion, community development, elder abuse, falls among the elderly

Scott M. Hofer, AB (San Diego State Univ), PhD (Univ Southern California), Harald Mohr, MD and Wilhelma Mohr, MD Research Chair in Adult Development and Aging, (Professor, Psychology), Professor

Research Areas: cognitive aging, longitudinal design and analysis, measurement, personality, lifespan development

Patrick McGowan, BA, MSW, PhD (UBC), (Associate Professor, Social Sciences), Associate Professor

Research Areas: chronic conditions, quality of life and self-help or self-management, individual and population health, participatory research, aboriginal health, coping skills, health system performance and integrated service delivery, project and program evaluation

Margaret Penning, BA (Win), MA (Man), PhD (Alta), (Professor, Sociology), Professor

Research Areas: chronic illness and disability among older adults, social support and well-being, informal and formal care

Kelli I. Stajduhar, BSN (UVic), MSN, PhD (UBC), (Associate Professor, Nursing), Assistant Professor

Research Areas: palliative care, family caregiving, HIV/AIDS, vulnerable and marginalized populations, home care, cancer, mixed method research, qualitative and quantitative research

Tom Ackerley, Survey Research Centre Manager

Leah Potter, Secretary

Sandra Lee, BA (U of A), MLS (UBC), BCNAR Regional Liaison Officer

Lois Edgar, BA (Alta), Administrator

Anita Jessop, Production Assistant

Arlene Senft, Administrative Assistant

Guiying Liu, BSc (Liaoning U), MSc (LSE), PhD (Renmin U), Research Coordinator

The Centre on Aging at the University of Victoria is a multidisciplinary research centre established in 1992. Our mandate is to promote and conduct basic and applied research throughout the lifespan. Centre researchers are drawn from many faculties, departments, and schools, including Anthropology, Child and Youth Care, Economics, Engineering, Exercise Science, Fine Arts, Geography, Human and Social Development, Health and Information Science, Law, Medical Sciences, Nursing, Public Administration, Philosophy, Psychology, Social Work, and Sociology.

Research is conducted in partnership with seniors, their families, organizations, health care providers, and the government. It is also undertaken in collaboration with the community, government, and academics across a wide variety of disciplines. The research conducted includes needs assessments and social surveys, experimental research, program evaluations, development of clinical diagnostic tools, and social pol-

icy research; some of which is conducted using the Survey Research Centre.

The Survey Research Centre (SRC) provides survey data collection services to researchers at the University of Victoria as well as researchers at other institutions and organizations. The call centre operations perform telephone research using computer assisted technology and skilled interviewing staff. The SRC also hosts survey data collection using web-based, e-mail, or postal mail techniques.

Dialogue with community partners is an important aspect of the Centre's mandate. Knowledge generated as a result of research is distributed through academic publications, seminars, lectures, conferences, Centre publications, and the work of liaison groups like the Friends of the Centre and the Centre on Aging Advisory Board.

The Centre is financially supported through contributions from the University, the Michael Smith Foundation for Health Research Infrastructure Support, granting councils, contract work, and donations from individuals, foundations, and business. For further information, contact the Centre at 250-721-6369 or visit the Centre's website at: <www.coag.uvic.ca>.

Institute for Coastal and Oceans Research

Director: TBA

The purpose of the Institute for Coastal and Oceans Research (ICOR) is to facilitate opportunities and partnerships, and to initiate, conduct, coordinate and promote interdisciplinary research on ocean and coastal issues and related policy matters. The broad-based aim is to advance, promote and exchange knowledge with multiple stakeholders, and inform ocean- and coastal-related policy-making. The Institute involves a broad range of scholars (from the natural and social sciences and humanities, law, fine arts and public administration) both at the University of Victoria and other universities, and members from all levels of government and the private and community sectors. As part of its role in the promotion of coastal and oceans research, ICOR hosts a series of seminars and holds research workshops to which ICOR's broad membership and other interested individuals are invited.

ICOR hosts several research programs and initiatives: the Scientific Committee on Problems in the Environment (SCOPE) Canada; the Coasts Under Stress (CUS) Project; the western portion of the virtual Institute for Social Ecological Studies (ISES); and the Canadian Marine Acoustic Remote Sensing (C-MARS) facility.

Research which can be pursued under the auspices of this Institute includes topics in oceanography, climatology, geography, environmental studies and any multidisciplinary project topic which investigates social and natural science aspects of coastal and ocean environments.

Website: <icor.uvic.ca>

Institute for Dispute Resolution

Maureen Maloney, Q.C., LLB (Warwick), LLM (Toronto), Director

Christina Hantel-Frazer, CandPhil (Bonn), MTS (Harvard), PhD (Bonn), Adjunct

Catherine Morris, BA, LLB (Alberta), LLM (British Columbia) Adjunct

Tara Ney, BA, MA (UVic), PhD (Southampton), Adjunct

Richard Price, BComm, BDiv, MA (Alberta), Adjunct

The Institute for Dispute Resolution is an interdisciplinary centre at the University of Victoria focused on public policy dispute resolution research, education, professional training, and community development. The Institute also acts as a resource service, not only for UVic students and faculty, but for government departments, non-governmental organizations, community groups, professionals, and others interested in improving dispute resolution processes or in applying alternative dispute resolution (ADR) techniques to their practical problems.

The Institute works collaboratively with a range of faculties and departments at the University of Victoria and maintains strong links to the dispute resolution community external to the University.

The Institute's diverse research program has examined disputes in both public and private settings, including those involving land use and development, the environment, and the community. The Institute has also researched issues relating to the resolution of complex, multi-party public policy disputes, disputes involving First Nations, the institutionalization of ADR procedures, the relationship between culture and conflict, and the nature of power in dispute resolution, and has been involved in dispute resolution education and consultation nationally and internationally.

The Institute receives support from the University, external research funding, and contract work.

Website: <dispute.resolution.uvic.ca>

Institute for Integrated Energy Systems (IESVic)

Peter Wild, BAsC (UBC), PhD (UVic), Director

The Institute for Integrated Energy Systems at the University of Victoria (IESVic) promotes feasible paths to sustainable energy systems. Founded in 1989, IESVic conducts original research to develop key technologies for sustainable energy systems and actively promotes the development of sensible, clean energy alternatives.

Our specific areas of expertise are fuel cells, cryofuels, energy systems analysis and energy policy development.

Our Activities:

- **Research:** We are committed to developing new technologies to make sustainable energy systems feasible. We also undertake research to

investigate the effects that the choice of particular energy systems technologies can have on the world.

- **Service:** We will collaborate with any other organization that shares our vision. In particular, we work with industrial partners to provide access to specialized knowledge and equipment, and with government partners to support policy and decision making processes.
- **Communication:** We promote energy systems education at all levels, formally and informally, to convince the world of the critical need for new and sustainable energy systems.

IESVic is a multidisciplinary research institute with participation from Engineering, Chemistry, Biology and Economics. A fuel cell systems laboratory with hydrogen production and fuel cell testing equipment is available for research use. This lab is designed primarily for prototyping and testing new fuel cell designs. IESVic makes extensive use of students at both the undergraduate and graduate levels to assist with research, and IESVic members frequently participate in supervising students whose interests are non-technical but still related to issues surrounding the development of sustainable energy systems.

Website: <www.iesvic.uvic.ca>

Laboratory for Automation, Communication and Information Systems Research (LACIR)

Colin Bradley, BAsC (UBC), MS (Heriot-Watt), PhD (UVic), Director

Founded at the University of Victoria in 1987, LACIR is an on-campus, cross-disciplinary research centre. University members are engaged in advanced systems research. Specific research areas include adaptive optics systems, ocean technology and micro-machining.

LACIR engages in collaborative research with industry, government, and other universities. Currently, LACIR works with the Thirty Meter Telescope Project (Caltech), the Herzberg Institute of Astrophysics (Victoria), McGill University and CANARIE.

The laboratory is financially supported by the Natural Science and Engineering Council of Canada, National Research Council of Canada, Canada Foundation for Innovation, British Columbia Knowledge Development Fund, CANARIE and the Innovation Council of British Columbia.

LACIR encourages collaborative research among its members and with industry, government and other BC universities. LACIR also promotes education in advanced systems.

LACIR is a member of the Vancouver Island Advanced Technology Centre. VIATeC monitors the needs and supports the development of local high tech industries, distributes information, and provides networking opportunities.

Website: <web.uvic.ca/lacir>

Pacific Institute for Climate Solutions

Thomas F Pedersen, BSc Hons. (UBC), PhD (Edinburgh), FRSC, FAGU, Director

The Pacific Institute for Climate Solutions (PICS) was established in March 2008 by a \$90 million endowment from the BC Ministry of Environment, the single largest endowment to a university in Canadian history. Hosted and led by the University of Victoria, PICS is a unique collaboration among BC's four research-intensive universities (the University of British Columbia, the University of Northern British Columbia, Simon Fraser University, and the University of Victoria). PICS harnesses the Province's intellectual resources to develop innovative climate change solutions, seek new opportunities for positive adaptation, and lead the way to a vibrant low-carbon economy. With strong linkages to senior decision-makers in government and industry, it frames the vital questions and provides effective answers to technological, economic and public policy challenges.

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Courses of Instruction



This section presents the descriptions of all courses offered at the University of Victoria. Courses are listed in alphabetical order by course abbreviation (BIOL, EDUC). The course abbreviations for all courses offered within each faculty are listed on page 233. A list of the course abbreviations and their corresponding subject areas is presented on page 234.

Please note that not all courses listed are necessarily offered every year; students should consult the department or faculty concerned for an official listing of the courses that will be offered in a given session. Registration and current timetable information is also available on the web at <registrar.uvic.ca>.

Students must ensure that they are familiar with the program requirements and restrictions noted in the entry for each academic unit.

Courses by Faculty

Division of Medical Sciences

MEDS Medical Science

Faculty of Business

COM Commerce

ENT Entrepreneurship

IB International Business

SMGT Service Management

Faculty of Education

AE Art Education Department of Curriculum and Instruction

ED-D Educational Psychology and Leadership Studies
Department of Educational Psychology and Leadership Studies

ED-P Teacher Education - Professional Studies

EDCI Curriculum and Instruction Studies
Department of Curriculum and Instruction

EPHE Exercise Science, Physical and Health Education
School of Exercise Science, Physical and Health Education

IA Interdisciplinary Arts Department of Curriculum and Instruction

ME Music Education Department of Curriculum and Instruction

Faculty of Engineering

CENG Computer Engineering Department of Electrical and Computer Engineering

CSC Computer Science Department of Computer Science

ELEC Electrical Engineering Department of Electrical and Computer Engineering

ENGR Engineering

MECH Mechanical Engineering Department of Mechanical Engineering

SENG Software Engineering Software Engineering

Faculty of Fine Arts

ART Visual Arts Department of Visual Arts

CW Creative Writing (En'owkin Centre)
Certificate Program in Foundations in Indigenous Fine Arts

FA Fine Arts Interdisciplinary Courses

HA History in Art Department of History in Art

MUS Music School of Music

THEA Theatre Department of Theatre

WRIT Writing Department of Writing

Faculty of Human and Social Development

ADMN Public Administration School of Public Administration

CYC Child and Youth Care School of Child and Youth Care

CYCB Indigenous Community-based Child and Youth Care
School of Child and Youth Care

CYCI Child and Youth Care International
School of Child and Youth Care

HINF Health Information Science School of Health Information Science

HSD Human and Social Development
Interdisciplinary Courses

IGOV Indigenous Governance
Indigenous Governments Certificate Program and MA in Indigenous Governance

NURS Nursing School of Nursing

SOCW Social Work School of Social Work

Faculty of Humanities

ARTS Arts

ASL American Sign Language

ENGL English Department of English

FRAN French Department of French

GER German Department of Germanic and Slavic Studies

GERS Germanic Studies Department of Germanic and Slavic Studies

GREE Greek Department of Greek and Roman Studies

GRS Greek and Roman Studies Department of Greek and Roman Studies

HIST History Department of History

HUMA Humanities

ITAL Italian Department of Hispanic and Italian Studies

LAS Latin American Studies Latin American Studies Program

LATI Latin Department of Greek and Roman Studies

LING Linguistics Department of Linguistics

MEDI Medieval Studies Medieval Studies Program

MEST Mediterranean Studies Department of Hispanic and Italian Studies

PAAS Pacific and Asian Studies Department of Pacific and Asian Studies

PHIL Philosophy Department of Philosophy

PORT Portuguese Department of Hispanic and Italian Studies

RS Religious Studies Religious Studies Program

RUSS Russian Department of Germanic and Slavic Studies

SLAV Slavic Studies Department of Germanic and Slavic Studies

SPAN Spanish Department of Hispanic and Italian Studies

WS Women's Studies Department of Women's Studies

Faculty of Law

LAW Law

Faculty of Science

ASTR Astronomy Department of Physics and Astronomy

BCMB Biochemistry and Microbiology
Department of Biochemistry and Microbiology

BIOC Biochemistry Department of Biochemistry and Microbiology

BIOL Biology Department of Biology

234 COURSE LISTINGS

CHEM	Chemistry	Department of Chemistry
EOS	Earth and Ocean Sciences	School of Earth and Ocean Sciences
MATH	Mathematics	Department of Mathematics and Statistics
MICR	Microbiology	Department of Biochemistry and Microbiology
MRNE	Marine Science	Department of Biology
PHYS	Physics	Department of Physics and Astronomy
SCIE	Science	
STAT	Statistics	Department of Mathematics and Statistics

Faculty of Social Sciences

ANTH	Anthropology	Department of Anthropology
ECON	Economics	Department of Economics
ER	Environmental Restoration	School of Environmental Studies
ES	Environmental Studies	School of Environmental Studies
GEOG	Geography	Department of Geography
HDCC	Human Dimensions of Climate Change	Interdisciplinary
POLI	Political Science	Department of Political Science
PSYC	Psychology	Department of Psychology
SOCI	Sociology	Department of Sociology

Interdisciplinary Programs

ACAN	Arts of Canada	Program in the Arts of Canada
CS	Canadian Studies	Diploma Program in Canadian Studies
EUS	European Studies	Political Science
IET	Intercultural Education and Training	Diploma in Intercultural Education and Training
IS	Indigenous Studies	Program in Indigenous Studies
SJS	Social Justice Studies	
TS	Technology and Society	

Courses by Subject Area

American Sign Language	ASL
Faculty of Humanities	
Anthropology	ANTH
Faculty of Social Sciences	
Art Education	AE
Faculty of Education	
Arts	ARTS
Faculty of Humanities	
Arts of Canada	ACAN
Interdisciplinary Programs	
Astronomy	ASTR
Faculty of Science	
Biochemistry	BIOC
Faculty of Science	
Biochemistry and Microbiology	BCMB
Faculty of Science	
Biology	BIOL
Faculty of Science	
Canadian Studies	CS
Interdisciplinary Programs	
Chemistry	CHEM
Faculty of Science	
Child and Youth Care	CYC
Faculty of Human and Social Development	
Child and Youth Care International	CYCI
Faculty of Human and Social Development	
Commerce	COM
Faculty of Business	
Computer Engineering	CENG
Faculty of Engineering	
Computer Science	CSC
Faculty of Engineering	
Creative Writing (En'owkin Centre)	CW
Faculty of Fine Arts	
Curriculum and Instruction Studies	EDCI
Faculty of Education	
Earth and Ocean Sciences	EOS
Faculty of Science	
Economics	ECON
Faculty of Social Sciences	
Educational Psychology and Leadership Studies	ED-D
Faculty of Education	
Electrical Engineering	ELEC
Faculty of Engineering	
Engineering	ENGR
Faculty of Engineering	
English	ENGL
Faculty of Humanities	
Entrepreneurship	ENT
Faculty of Business	
Environmental Restoration	ER
Faculty of Social Sciences	
Environmental Studies	ES
Faculty of Social Sciences	
European Studies	EUS
Interdisciplinary Programs	
Exercise Science, Physical and Health Education	EPHE
Faculty of Education	
Fine Arts	FA
Faculty of Fine Arts	
French	FRAN
Faculty of Humanities	



Geography	GEOG	Philosophy	PHIL
Faculty of Social Sciences		Faculty of Humanities	
German	GER	Physics	PHYS
Faculty of Humanities		Faculty of Science	
Germanic Studies	GERS	Political Science	POLI
Faculty of Humanities		Faculty of Social Sciences	
Greek	GREE	Portuguese	PORT
Faculty of Humanities		Faculty of Humanities	
Greek and Roman Studies	GRS	Psychology	PSYC
Faculty of Humanities		Faculty of Social Sciences	
Health Information Science	HINF	Public Administration	ADMN
Faculty of Human and Social Development		Faculty of Human and Social Development	
History	HIST	Religious Studies	RS
Faculty of Humanities		Faculty of Humanities	
History in Art	HA	Russian	RUSS
Faculty of Fine Arts		Faculty of Humanities	
Human and Social Development	HSD	Science	SCIE
Faculty of Human and Social Development		Faculty of Science	
Human Dimensions of Climate Change	HDCC	Service Management	SMGT
Faculty of Social Sciences		Faculty of Business	
Humanities	HUMA	Slavic Studies	SLAV
Faculty of Humanities		Faculty of Humanities	
Indigenous Community-based Child and Youth Care	CYCB	Social Justice Studies	SJS
Faculty of Human and Social Development		Interdisciplinary Programs	
Indigenous Governance	IGOV	Social Work	SOCW
Faculty of Human and Social Development		Faculty of Human and Social Development	
Indigenous Studies	IS	Sociology	SOCI
Interdisciplinary Programs		Faculty of Social Sciences	
Intercultural Education and Training	IET	Software Engineering	SENG
Interdisciplinary Programs		Faculty of Engineering	
Interdisciplinary Arts	IA	Spanish	SPAN
Faculty of Education		Faculty of Humanities	
International Business	IB	Statistics	STAT
Faculty of Business		Faculty of Science	
Italian	ITAL	Teacher Education - Professional Studies	ED-P
Faculty of Humanities		Faculty of Education	
Latin	LATI	Technology and Society	TS
Faculty of Humanities		Interdisciplinary Programs	
Latin American Studies	LAS	Theatre	THEA
Faculty of Humanities		Faculty of Fine Arts	
Law	LAW	Visual Arts	ART
Faculty of Law		Faculty of Fine Arts	
Linguistics	LING	Women's Studies	WS
Faculty of Humanities		Faculty of Humanities	
Marine Science	MRNE	Writing	WRIT
Faculty of Science		Faculty of Fine Arts	
Mathematics	MATH		
Faculty of Science			
Mechanical Engineering	MECH		
Faculty of Engineering			
Medical Science	MEDS		
Division of Medical Sciences			
Medieval Studies	MEDI		
Faculty of Humanities			
Mediterranean Studies	MEST		
Faculty of Humanities			
Microbiology	MICR		
Faculty of Science			
Music	MUS		
Faculty of Fine Arts			
Music Education	ME		
Faculty of Education			
Nursing	NURS		
Faculty of Human and Social Development			
Pacific and Asian Studies	PAAS		
Faculty of Humanities			

HOW TO USE THE COURSE LISTINGS

Course Abbreviation and Number

Courses are listed alphabetically by course abbreviation of up to four letters (e.g., ANTH for Anthropology) and course number (e.g., 100). Three numbers are used for course number plus a letter as appropriate. The first number indicates the year level (0 for university-level upgrading, 1 to 4 for undergraduate level, 5 and 6 for graduate level, 7 for Education Professional Year and 8 for co-op work terms). See page 234 for the subject area corresponding to the course abbreviation.

Cross-listed Courses

The same course may be offered by two different departments. Such courses are listed twice, once under each department course abbreviation. Students may obtain credit for the course from either department, but not both.

Former Course Abbreviation and Number

If a course was previously offered at UVic under another abbreviation and number, the former abbreviation and number are shown here.

Prerequisites and Corequisites

Prerequisites are courses or other requirements that must be completed before a student may register in a course. Corequisites are courses or other requirements that must be completed at the same time as a specific course.

See page 233 for a list of courses offered by each faculty and page 234 for a list of course abbreviations.

SAMP 101 Units: 1.5

Sample Course Name

Also: **CD100**

Formerly: **SAMP 100A and 100B**

This sample course description illustrates the notations commonly found in the course descriptions. Not all course descriptions include all the information shown in this sample. For clarification on any information presented in a course description, contact the department or faculty offering the course.

Course descriptions may also include sub-courses offered under the same course number.

Note: Up-to-date information is available from department offices and from the Undergraduate Registration Guide and Timetable, which is available after June from Undergraduate Admissions and Records.

Prerequisites: Admission to UVic

Grading: INP/COM, N or F

Hours: 3-0-1

Units of Credit

This figure is the number of units of credit assigned to each course. Some courses are listed with a range of units (1.5-3) or with the notation "to be determined." Further information on the unit value of the course will usually be found in the course description. Students may also contact the department or faculty offering the course for information on variable credit courses.

Hours of Instruction

The numbers refer to the hours of instruction per week:

- first digit: hours assigned for lectures or seminars
- second digit: hours assigned for laboratory or practical sessions
- third digit: hours assigned to tutorials

Notes

Notes provide information about any restrictions on the assignment of credit in cases where courses overlap, as well as the maximum allowable credit for courses that may be taken more than once. Notes may also provide special information about a course.

Grading

Courses that are not graded using standard letter grades will include the alternative classifications for evaluation. See page 38 for an explanation of grading abbreviations.

Course descriptions do not include information on when courses will be offered. That information is available online at <www.uvic.ca/timetable>.



ACAN
Arts of Canada
Program in the Arts of Canada
Interdisciplinary Programs

ACAN 225 Units: 3.0 Hours: 3-0
 Also: FA 225

Introduction to the Arts of Canada

An interdisciplinary examination of Canada's cultural identity and of current issues facing the arts in both French and English speaking Canada. Topics to be considered include aboriginal arts, theatre, history in art, visual and literary arts, music, multiculturalism, broadcasting and cultural policies.

Note: Credit will be granted for only one of 225, FA 225.

ADMN
Public Administration
School of Public Administration
Faculty of Human and Social Development

ADMN 310 Units: 1.5
 Formerly: 403

Public Sector Economics

An introduction to the principles of microeconomics for public sector policy analysis and management. Students are introduced to economic principles, including supply and demand; household behaviour and consumer choice; production; labour and capital markets; competition policy and regulation; market failures and government intervention; income distribution and taxation. Topics include the national income and expenditure accounts, unemployment and inflation.

Note: Credit will be granted for only one of 310, 403, ECON 103, 201, ENGR 280.

ADMN 311 Units: 1.5
 Also: POLI 350

Introduction to Public Administration

An exploration of the external factors affecting contemporary public sector management in Canada, the changing structural and value context within which public servants work, the key processes in which they are engaged and how those processes are changing. Focus is primarily on the federal and provincial governments, but references will also be made to public administration at other levels.

Note: Credit will be granted for only one of 311, HSD 404, POLI 350.

ADMN 312 Units: 1.5
Managing in Public and Non-Profit Organizations

An examination of the skills of an effective manager in public and non-profit sector organizations and the interplay between management and key organizational processes such as planning, organizing, implementing and evaluating policies, programs and services. Management topics include: managerial work, interpersonal and leadership skills, power and influence, conflict resolution, formal and informal communications, motivation and teamwork. A project on managing organizational change is used as a way to connect manager behaviours and organizational processes.

Note: Credit will be granted for only one of 312, 406. Students may select an elective in lieu of 312.

ADMN 314 Units: 1.5
Public Sector Research and Analysis

An introduction to research methods in public and non-profit sector settings. Students learn to become informed consumers and critics of research and more

effective managers of research-related projects. Data analysis skills are also strengthened with the use of spreadsheet software. Topics include definition and types of research; research design; measurement; methods of data collection; data coding; descriptive and inferential statistics; relationships between variables; ethical and organizational issues; and the research proposal and report.

ADMN 316 Units: 1.5
Written Communications in the Public and Non-Profit Sectors

Topics include how to: analyze a communication task; identify the topic, purpose and audience; write and edit professionally with a good command of standard written English and principles of plain language; gather, paraphrase, summarize, analyze or interpret complex information from print and electronic sources; describe complex policies and procedures; apply the principles of document structure and design; write proposals; and design and develop the types of documents required in the public and non-profit sectors.

Note: Credit will be granted for only one of 316, ENGL 302. Students should take this course early in their Diploma program.

ADMN 407 Units: 1.5
Managing Service Delivery

Explores challenges facing public sector managers who develop or transform public services with a strong focus on service recipients. Examines the drivers of the service transformation movement, surveys the ways that public services can be reformed and then works through a framework for assessing service needs, engaging service recipients and stakeholders, making a business case for transformation, implementing new delivery arrangements (including networks and partnerships), managing across boundaries, and building in performance measurement and accountability.

Prerequisites: 311 or equivalent.

ADMN 409 Units: 1.5
Leading and Managing in the Non-Profit Sector

An overview of management in Canada's non-profit and voluntary sector. Students will examine the size, scope, structure, functions, value bases, and uniqueness of the non-profit sector, plus the differences among the non-profit, public and private sectors. Topics include: leadership, board governance, strategic analysis, volunteer management and partnering. Students will analyze how management concepts, models, principles and techniques have validity as applied in the context of non-profit and voluntary sector organizations.

ADMN 420 Units: 1.5
The Public Policy Process

An introduction to the policy process in the public sector. Includes analysis of current theories of policy-making and examines case studies from Canadian contexts. Topics include: policy formation; the policy communication process; the structural aspects of policy execution; and the human dimensions of implementation and coordination of policies in public sector organizations.

Note: Credit will be granted for only one of 420, 465.

Prerequisites: 311; 310 and/or 314 are recommended.

ADMN 421 Units: 1.5
Financial Management

Provides students a financial management foundation focused on the needs of the public sector. Topics include: public sector financial management and budgeting, including capital budgeting and infrastructure investment; financial statements and their analysis; public sector accounting standards and financial

reporting; cost management and control; and accountability and performance measurement. The emphasis will be on provincial and federal planning and reporting structures. Includes tutorials for the Excel spreadsheet program.

Note: Credit will be granted for only one of 421, 448.

ADMN 422 Units: 1.5
Ethical Public Management

An exploration of value and ethical dilemmas which confront public and quasi-public sector officials in the workplace. Focuses on process dilemmas related to political neutrality, confidentiality, privacy, fairness and accountability, as well as issues related to good, just and legitimate public policy. Students will have an opportunity to develop their own moral reasoning skills and apply them in case studies.

Note: Credit will be granted for only one of 422, 554.

ADMN 423 Units: 1.5
Local Government in British Columbia

An examination of the legislative framework, organization, operation and finance of local government service delivery and regulation in British Columbia.

Note: Credit will be granted for only one of 423, 545.

ADMN 424 Units: 1.5
Serving Citizens: Managing Information and Engagement

Public sector institutions must manage a vast range of information and this course will introduce learners to key concepts and procedures for designing and managing effective information systems. The role of the Web and the relevant issues of security, access, and citizen engagement with e-government are also covered.

Note: Credit will be granted for only one of 424, 524.

ADMN 431 Units: 1.5
Public Sector Human Resources and Labour Relations

Examines various aspects of the human resource function within public sector organizations and compares current theory and practice in: human resource planning; recruitment and selection; performance appraisals; compensation, benefits and promotions; career planning; and staff development. Covers aspects of public sector labour relations including discipline and grievances, collective bargaining and managing in a unionized workplace.

Note: Credit will be granted for only one of 431, 425, 447, 531.

ADMN 437 Units: 1.5
Program Evaluation and Performance Measurement

Intensive introduction to organizational, methodological and professional issues involved in evaluating programs and measuring performance in public and non-profit organizations. Offers a practical understanding of the evaluation process, including identification of key evaluation questions, program logics, measurement, research design, and qualitative evaluation. Performance measurement is treated as a complementary set of skills for measuring and reporting program and organizational results. Includes modules on conceptual issues, implementation requirements and uses of performance measurement.

Note: Credit will be granted for only one of 437, 537.

ADMN 445 Units: 1.5
Urban and Regional Economics

Examines economic forces influencing settlement patterns, growth and other characteristics of towns, cities and regions. Course provides a theoretical and historical basis for analyzing and predicting how urban areas evolve and how public policies may affect patterns of growth and change. Topics include: regional economics; economic development; growth

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policy; urban land use patterns; how land and housing markets function; how land use regulation affects these markets; urban environmental problems; urban transportation; and emerging spatial patterns.

Note: Credit will be granted for only one of 445, ECON 312.

Prerequisites: 310 or equivalent, or ECON 103, formerly 201.

ADMN 446 Units: 1.5 **Local Government Land Use Planning**

Provides an overview of land use planning principles and regulations to local government administrators and staff, focusing on small and mid-sized communities. Topics include: history; regulatory framework in BC; rural and small town planning, growth management and regional planning; neighbourhood, local area and community planning; zoning; mainstreet, strip and commercial planning; residential planning; permits and other regulatory mechanisms; public information and participation; and environmental and heritage planning.

Note: Credit will be granted for only one of 446, 470 (if taken in the same topic).

ADMN 448 Units: 1.5 **Local Government Financial Management**

Provides a financial management foundation focused on the needs of local governments. Topics include: public sector financial management and budgeting, including capital budgeting and infrastructure investment; financial statements and their analysis; public sector accounting standards and financial reporting; cost management and control; and accountability and performance measurement. Emphasis will be on local planning and reporting structures. Includes tutorials for a spreadsheet program.

Note: Credit will be granted for only one of 448, 421.

ADMN 452 Units: 1.5 **Local Government Law**

Analysis of legislation and court decisions applicable to local governments in British Columbia, including the Community Charter. Designed to familiarize non-lawyers with local government law and legal issues which arise in relation to local government activities and how to read case law and legislation.

ADMN 465 Units: 1.5 **Local Government Policy**

An integrated analysis of selected local government policy problems drawing on urban and regional economics, local government law and the understanding of local government structure and operations. Includes how to analyze problems, assess response options and prepare policy recommendations within the political and administrative framework of local government. Topics selected for examination will vary.

Note: Credit will be granted for only one of 465, 420.

Prerequisites: 423 or equivalent, 445, 452.

ADMN 470 Units: 1.5-3.0 **Contemporary Topics in Administration**

A study of selected topics drawn from the current literature and practices in public administration or related fields.

Note: May be taken more than once for credit in different topics.

ADMN 477 Units: 1.5 **Strategic Planning and Implementation**

Examines strategic planning processes and how strategic goals can be implemented in public sector organizations. Strategic planning topics include stakeholder analysis; developing mission, value and vision statements; environmental scanning; transforming strategic plans into policies and programs; management tactics; and assessing organizational

performance. Implementation topics include: deploying resources; quality control; strategic communication; budgeting; team building; problem solving; progress assessment; completion; and evaluation.

Note: Credit will be granted for only one of 477, 411, 412, 470 (if taken in the same topic), 577.

ADMN 490 Units: 1.5 **Directed Studies**

Directed reading and/or a research project under the supervision of a Faculty Member.

Note: Open to students only with permission of the Director.

AE

Art Education

Department of Curriculum and Instruction Faculty of Education

Studio-based AE courses are normally subject to limited enrolment because of space and equipment needs. Courses offered by the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, EPHE, IA, IET, ME.

AE 103 Units: 3.0 Hours: 3-1 **Formerly: 100** **Introduction to Art Education**

The role of art in education; practical exploration in art, classroom management and teaching techniques.

Note: Credit will be granted for only one of 103, 100, 101, 204, EDUC 307, EDCI 307, EDCI 307A, EDCI 307B, ED-A 701. Students planning to emphasize art in their degree program should register in this course.

AE 200 Units: 1.5 Hours: 3-0 **Design**

Creative problem solving through art. A studio exploration of the elements and principles of art, media and processes, and the development of ideas in fine and applied art. Consideration is given to the ways in which this theory and practical experience can be applied in a variety of teaching and learning contexts.

AE 201 Units: 1.5 Hours: 3-1 **Image Development**

A survey of methods and practices of innovative image transformation and development of skills and techniques through studio exploration. Instructional applications in various learning environments are considered.

AE 208 Units: 1.5 Hours: 3-1 **Three-Dimensional Art**

Studio investigation into the concepts, materials, and techniques of sculpture, connecting these to the requirements of students. Relevant curriculum, assessment, and critiquing strategies will also be addressed.

AE 303 Units: 3.0 Hours: 3-1 **Ceramics**

An introductory course in ceramics. Discussion and practice will include all aspects of the methods and processes as they relate to educational practice.

AE 305 Units: 1.5 Hours: 3-1 **Drawing**

Development of skills and teaching methods in drawing through studio exploration. Instructional applications in various learning environments are considered.

Note: Credit will be granted for only one of 305, 302.

AE 306 Units: 1.5 Hours: 3-1 **Painting**

Development of skills and teaching methods in painting through studio exploration. Instructional applications in various learning environments are considered.

Note: Credit will be granted for only one of 306, 302. Supply list available from MacLaurin A430 or at <www.educ.ca/edci>.

AE 307 Units: 1.5 Hours: 3-1 **Printmaking**

An introduction to printmaking including its history, related concepts, and selected studio techniques. Exploration and experimentation are emphasized as a means of skill development. Instructional applications in various learning environments are considered.

Note: Credit will be granted for only one of 307, 300.

AE 308 Units: 1.5 Hours: 3-1 **Sculpture**

Development of skills and teaching methods in sculpture through studio exploration. Instructional applications in various learning environments are considered.

Note: Credit will be granted for only one of 308, 301.

AE 309 Units: 1.5 Hours: 3-1 **Ceramics: Hand Building**

Studio experience in the methods and techniques of hand-built ceramics and their application to different levels of student development; appropriate curriculum, assessment, and critiquing strategies.

AE 310 Units: 1.5 Hours: 3-1 **Introduction to Applied Design**

Introduction to skills and teaching methods in selected applied design areas through studio exploration.

Note: Credit will be granted for only one of 310, 304.

AE 315 Units: 1.5 Hours: 3-1 **Curriculum Planning in Art Education**

Study of art education curriculum guides and of methods of planning programs for the classroom.

AE 316 Units: 1.5 Hours: 3-1 **Art Criticism**

The development of skills in the process and practice of criticism. Writing, discussions, and presentations are components of this course as students learn to elicit meaning from contemporary and historical works of art. Instructional applications in various learning environments are provided.

AE 317 Units: 1.5 Hours: 3-1 **Art Appreciation**

Methods of teaching art appreciation with an emphasis on Canadian art. An investigation of art from the perspectives of aesthetics, art history, and art criticism. Students will prepare educational materials.

AE 319 Units: 1.5 Hours: 3-1 **Photography**

Basic approaches to photography as an art medium. An exploration of concepts and methods appropriate to elementary and secondary classrooms and other educational settings from simple technologies such as photographs and pinhole photography to 35 mm cameras and darkroom procedures.

AE 320 Units: 1.5 Hours: 3-1 **Art and the Young Child**

Study of characteristics and development of early childhood art through teaching and practical work and survey of evaluation methods for effective instruction.

AE 321 Units: 1.5 Hours: 3-1
Art in the Intermediate Grades

The development of a program specifically for students in the intermediate grades; investigating curricula and media relevant and meaningful to this age group.

AE 322 Units: 1.5 Hours: 3-1
Digital Arts

An introductory survey of digital media production focusing on graphics, 2D animation, 3D modelling and animation, audio, video, and website construction. Students will learn to generate media ideas, collect resources, construct and edit concepts using industry-standard software packages. Emphasizes the production and teaching of digital media for creative, educational, and commercial environments. No previous computer experience is required.

AE 401 Units: 1.5 Hours: 3-1
Special Studies

Studies of selected topics in the theory and practice of art education.

Note: May be taken more than once for credit normally to a maximum of 6 units with permission of an adviser in the department of Arts in Education.

AE 402 Units: 1.5 Hours: 3-1
Specific Methodologies, Materials and Techniques in Art Education

402A - Drawing

402B - Painting

402C - Printmaking

402D - Sculpture

402E - Applied Design

402F - Photography

402G - Reasoned Criticism

Prerequisites: 316 or 317.

402H - Ceramics

Prerequisites: 303 or 309.

Note: A student may take up to a maximum of 6 units of the above areas; however, the maximum number of units accepted for credit on the student's degree program will be at the discretion of the department. Letter designations identify discrete areas for advanced study. In the interest of gaining breadth experiences, students taking more than 1.5 units of 402 should not repeat an area.

Prerequisites: Appropriate introductory course for the selected art area.

AE 422 Units: 1.5 Hours: 3-1
Advanced Digital Arts

An advanced exploration of digital media production using graphics, animation, 3D modelling, audio, video, and website construction. Students will choose individual media projects related to areas of interest and construct them using standard media software tools and professional models of project management. Students will also have the opportunity to explore advanced industry-based software programs. Emphasizes advanced digital media theory and practice within creative, educational, and commercial environments.

Note: Credit will be granted for only one of 422, 402J in a degree program.

Prerequisites: 322.

ANTH**Anthropology**
Department of Anthropology
Faculty of Social Sciences**ANTH 100 Units: 1.5 Hours: 3-0**
Formerly: 100A, 100B**Introduction to Anthropology**

An introductory survey of the sub-fields of anthropology: biological anthropology, archaeology, cultural and social anthropology, and linguistic anthropology. Topics include the human fossil record, the archaeological record from Paleolithic cultures to urban civilizations, and examination of contemporary human societies, drawn from various levels of complexity.

Note: Credit will be granted for only one of 100, 100A, 100B.

ANTH 200 Units: 1.5 Hours: 2-0-2
Formerly: 200A, 200B**Cultural and Social Anthropology**

Introduction to the analysis of sociocultural systems. Major topics include subsistence, production and distribution, social organization, politics, religion, kinship, symbolic systems, and cultural change from an international perspective.

Note: Credit will be granted for only one of 200, 200A, 200B.

Prerequisites: Second-year standing or permission of the department.

ANTH 240 Units: 1.5 Hours: 2-2
Archaeology

An introduction to archaeological research and problems of interpretation. Laboratories will provide an opportunity to become familiar with archaeological materials and with some basic techniques of analysis.

Prerequisites: Second-year standing or permission of the department.

ANTH 250 Units: 1.5 Hours: 2-2
Physical Anthropology

An introduction to human biological evolution. Topics include the study of non-human primates, investigation of the human fossil record, human skeletal variation, population genetics, growth and development and morphological variation.

Prerequisites: Second-year standing or permission of the department.

ANTH 301 Units: 1.5 Hours: 3-0
Formerly: part of 300, 300A, 300B, 300C
Comparative Social Organization

Cross-cultural analysis of the main aspects of human social organization including associations and/or groups based on descent, age, gender, friendship, caste and class.

Note: Credit will be granted for only one of 301, 300, 300A, 300B, 300C.

Prerequisites: 200.

ANTH 302 Units: 1.5 Hours: 3-0
Globalization, Health, and the Environment

A comparative framework for understanding the relationship between global processes, the environment, and health. Topics include social and economic inequalities, violence, gender, diet, health policies, technologies, pandemics, climate change, and health care industries. Emphasis on how local experiences of health are linked to global processes via the environment.

Prerequisites: Second-year standing.

ANTH 304 Units: 1.5 Hours: 3-0
Technology and Culture

Critical approaches to the anthropological study of technology. The focus may be on prehistoric or contemporary technology.

Prerequisites: 100 or 200.

ANTH 305 Units: 1.5 Hours: 3-0
Anthropology of the Arts

Critical approaches to the anthropological study of the visual arts of the 19th and 20th centuries using case study examples from a variety of geographical areas.

Prerequisites: 100 or 200.

ANTH 306 Units: 1.5 Hours: 3-0
Folklore in Contemporary Society

Anthropological analysis of oral traditions from a range of societies. The structure and functions of specific types of material. The relation of the study of folklore to other interests in anthropology.

Prerequisites: 100 or 200.

ANTH 307 Units: 1.5 Hours: 3-0
Anthropology of Children and Youth

An examination of current anthropological research on infants, children, and youth, with particular emphasis on young people as social actors and cultural producers.

Note: Credit will be granted for only one of 307, 390A, 393 (if taken in the same topic).

Prerequisites: 200.

ANTH 308 Units: 1.5 Hours: 3-0
Legality and Social Justice in Global Perspective

A cross-cultural analysis of concepts of justice and the construction of legality in a range of societies with varying degrees of complexity. Topics include contemporary initiatives aimed at achieving social justice internationally by drawing on indigenous concepts and structures in the restructuring of legality as it is practiced in industrial and post-industrial societies.

Note: Credit will be granted for only one of 308, 390A, 393 (if taken in the same topic).

Prerequisites: 100 or 200 or permission of the department.

ANTH 309 Units: 1.5 Hours: 3-0
Visual Anthropology

Examination of theoretical and methodological approaches to visual anthropological research. Focus on film, photography and new media.

Note: Credit will be granted for only one of 309, 409, 390 (if taken in the same topic).

Prerequisites: 200.

ANTH 310 Units: 1.5 Hours: 3-0
Anthropological Approaches to Comparative Religion

Consideration of the various approaches to the study of religion and religious behaviour used by anthropologists. Comparative analysis of belief and ritual systems.

Prerequisites: 100 or 200 or 321.

ANTH 311 Units: 1.5 Hours: 3-0
Formerly: 211**Introduction to Applied Anthropology**

An introduction to the acquisition of culturally appropriate data for the solution of practical problems arising in the context of social change. Surveys applications of anthropological research to various fields such as agricultural development, population planning, the impact of technological change, education, law, medicine, and heritage resource management.

Note: Credit will be granted for only one of 311, 211.

Prerequisites: 100 or 200.

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ANTH 312	Units: 1.5	Hours: 3-0
Formerly: 412 Introduction to Medical Anthropology An introduction to the main themes and theoretical frameworks in medical anthropology, including applied medical anthropology, cultural construction of illness, and critical medical anthropology. Topics may include the origin and evolution of infectious diseases with human societies, epidemics, pandemics, medicalization, nutrition, public health campaigns, and the comparative study of medical systems. Note: Credit will be granted for only one of 312, 412. Prerequisites: 100 or 250 or 200.		
ANTH 315	Units: 1.5	Hours: 3-0
Living Technologies Students interact with expert craftspeople to learn about the constraints and possibilities of various media (stone, clay and fibre) as well as the dimensions of choice and cultural significance that shape technology styles. Emphasis is placed on material culture's active role in the production of culture and in the making of human life experience.		
ANTH 316	Units: 1.5	Hours: 3-0
Formerly: 416 Introduction to Anthropological Research Designed to introduce students to research methods suitable for anthropological problems. Emphasis is placed on formulation of researchable anthropological propositions, research design, and elementary techniques of data analysis. Note: Credit will be granted for only one of 316, 416. Prerequisites: A minimum GPA of 3.5 for 200, 240 and 250.		
ANTH 317	Units: 1.5	Hours: 3-0
Formerly: 417 Introduction to Quantitative Methods in Anthropological Research Formal methods of statistical analysis in Anthropology. Note: Credit will be granted for only one of 317, 417. Prerequisites: 316.		
ANTH 318	Units: 1.5	Hours: 3-0
Introduction to Ethnographic Methods Review of ethnographic methods used in the field by cultural anthropologists. Topics include the relationship between field methods and theory in anthropology, field experiences and techniques, and qualitative data analysis. Note: Credit will be granted for only one of 318, 390, 395 (if taken in the same topic). Prerequisites: 200.		
ANTH 323	Units: 1.5	Hours: 3-0
Ethnology of the Circumpolar Region The peoples and cultures of Arctic and sub-Arctic Eurasia and North America. Prerequisites: 200 or permission of the department.		
ANTH 325	Units: 1.5	Hours: 3-0
Ethnology of South America Ethnological description and analysis of the peoples and cultures of South America. Prerequisites: 200 or permission of the department.		
ANTH 329	Units: 1.5	Hours: 3-0
Ethnology of Southeast Asia An integrated description and analysis of the peoples and cultures of Mainland and Island Southeast Asia. Prerequisites: 200 or permission of the department.		

ANTH 330	Units: 1.5	Hours: 3-0
Ethnology of South Asia Ethnological description and analysis of the peoples and cultures of the Indian subcontinent. Prerequisites: 200 or permission of the department.		
ANTH 332	Units: 1.5	Hours: 3-0
Ethnology of Europe Ethnological description and analysis of the peoples of Europe. Topics may include folk cultures, migration, urbanization, industrialization, and the emergence of ethnicity and of nationalist movements. Prerequisites: 200 or permission of the department.		
ANTH 335	Units: 1.5	Hours: 3-0
Ethnicity in Global Perspective An examination of anthropological perspectives on the cultural construction of ethnicity, race and nationalism as well as the historical processes which influenced the formation of ethnic groups and nations, with illustration from various regions of the world including Canada. Note: Students who took 335 prior to 2006-07 may repeat 335 for credit only with departmental permission. Prerequisites: 200 or permission of the department.		
ANTH 336	Units: 1.5	Hours: 3-0
Contemporary Aboriginal Peoples of Canada Aboriginal peoples in modern Canadian society. Comparison with the situation of other aboriginal peoples in various parts of the world. Prerequisites: 200 or permission of the department.		
ANTH 337	Units: 1.5	Hours: 3-0
Ethnology of Eurasia An exploration of the socialist experience and its aftermath in Eurasia. Analysis of the historical and political processes that shape this region, of cultural and social trends in selected countries and an overview of anthropological approaches to Eurasia. Note: Credit will be granted for only one of 337, 391 (if taken in the same topic). Prerequisites: 200 or permission of the department.		
ANTH 338	Units: 1.5	Hours: 3-0
Aboriginal Peoples of British Columbia An integrated description and analysis of the cultural history and current issues surrounding aboriginal peoples in British Columbia. Note: Credit will be granted for only one of 338, 339A and 339B. Prerequisites: 200 or permission of the department.		
ANTH 340	Units: 1.5	Hours: 3-0
Archaeology of British Columbia Reviews the archaeological evidence of 14,000 years of First Nations occupation of British Columbia. Emphasizes continuity and change in subsistence, settlement, technology, and the environment from the last Ice Age through the arrival of Europeans. Prerequisites: Second-year standing.		
ANTH 341	Units: 1.5	Hours: 3-0
Formerly: 341A Paleolithic Archaeology A review of the formative phases in the development of prehistoric cultures and societies during the Plio-Pleistocene in Africa, Eurasia and Australasia. Archaeological evidence on cultural beginnings, ecology, subsistence systems, technology and social life of early humankind. Note: Credit will be granted for only one of 341, 341A. Prerequisites: 240.		

ANTH 342	Units: 1.5	Hours: 3-0
Archaeology of Precolumbian America A survey of the archaeological record for the development of aboriginal cultures and societies of the New World prior to European colonization, from late Ice Age settlement of North and South America through the appearance of farming villages up to the growth of urban civilizations of middle America and the Andes. Prerequisites: 240.		
ANTH 343	Units: 1.5	Hours: 0-3
Archaeological Field Techniques Training in the methods and techniques of archaeology through participation in a field project. Complements the regional topics of 344, with which it will normally be combined to form the archaeological field school. Note: Credit will be granted for only one of 343, 390 (if taken in the same topic). Prerequisites: 240 and permission of the department.		
ANTH 344	Units: 1.5	Hours: 3-0
Regional Topics in Archaeology Intensive study of topics in archaeological method and theory relevant to the interpretation of a single site or region. Complements the applied archaeological research of 343, with which it will normally be combined to form the archaeological field school. Note: Credit will be granted for only one of 344, 390 (if taken in the same topic). May be taken more than once for credit with permission of the department if regional focus is different. Prerequisites: 240 and permission of the department.		
ANTH 346	Units: 1.5	Hours: 3-0
Archaeology of Holocene Africa Explores the diverse lifeways that have characterized African societies of the last 10,000 years. Topics include the emergence of agriculture, complex societies, and the effects of global connections. Emphasizes how archaeologists approach reconstruction of the African past, and critical evaluation of archaeological interpretation. Prerequisites: 240.		
ANTH 347	Units: 1.5	Hours: 3-0
Stone Age of Africa An overview of the Stone Age prehistory of Africa, from the earliest stone tools to the beginnings of agriculture, involving an in-depth examination of a number of important archaeological sites. Note: Credit will be granted for only one of 347, 390, 392 (if taken in the same topic). Prerequisites: 240.		
ANTH 348	Units: 1.5	Hours: 3-0
Peopling of New Territories Current reconstructions show humans initially evolved in Africa, and subsequently expanded their range to the extent that, by the time of European voyages of world exploration, people were already almost everywhere. Focuses on the processes by which humans discovered and adapted to previously unsettled lands. Emphasis will be on archeological data and interpretation via selected case studies, particularly the first people of Australia, the Pacific, and the Americas. Note: Credit will be granted for only one of 348, 390, 392 (if taken in the same topic). Prerequisites: 240.		
ANTH 349	Units: 1.5	Hours: 3-0
Paleolithic Art Explores the evidence for the origins and development of cave art, personal adornment and symbol use in the Paleolithic and their role in the evolution of		

human cognition. Specific topics include the definition of art in an archeological context, dating and analysis techniques, contemporary examples of rock art, and possible meanings and functions of art and personal adornment during the Paleolithic.

Note: Credit will be granted for only one of 349, 390, 392 (if taken in the same topic).

Prerequisites: 240.

ANTH 350 Units: 1.5 Hours: 3-0

Formerly: 350A

Primate Behavioural Ecology

Fundamentals of primate behavioural ecology, including theoretical approaches, history of the discipline within anthropology, taxonomy, zoogeography, ecology, behaviour, communication, and natural history of non-human primates.

Note: Credit will be granted for only one of 350, 350A.

Prerequisites: 250.

ANTH 351 Units: 1.5 Hours: 3-0

Formerly: 350B

Human Origins

Examination of the fossil evidence for human evolution emphasizing the interpretation and reconstruction of the human lineage.

Note: Credit will be granted for only one of 351, 350B.

Prerequisites: 250.

ANTH 352 Units: 1.5 Hours: 2-3

Formerly: 451

Human Osteology

Theoretical and methodological approaches to the study of human skeletal remains.

Note: Credit will be granted for only one of 352, 451.

Prerequisites: 250.

ANTH 355 Units: 1.5 Hours: 3-0

AIDS in the World

Survey and analysis of the biological and social issues arising from the Acquired Immune Deficiency Syndrome pandemic.

Note: Credit will be granted for only one of 355, 390 (if taken in the same topic).

Prerequisites: 250.

ANTH 360 Units: 1.5 Hours: 1-2

Zooarchaeology

An introduction to the study of animal bones from archaeological sites, with a lecture component emphasizing general methodology and case studies from different regions and a laboratory component focusing on the analysis of Northwest Coast fauna.

Note: Credit will be granted for only one of 360, 390, 392 (if taken in the same topic).

Prerequisites: 240.

ANTH 365 Units: 1.5 Hours: 3-0

Colonialism and Daily Life

Comparative analysis of how daily life was transformed through colonial processes in different regional and temporal contexts. Draws on studies in archaeology and historical anthropology from Africa, Europe, and North America to explore processes and consequences of colonial entanglements for both colonizers and the colonized. Emphasizes importance of material culture as an active component of cultural transformations.

Prerequisites: Second-year standing.

ANTH 391 Units: 1.5 Hours: 3-0

Formerly: 390

Selected Problems in Anthropology: Ethnology

Presentation of selected problems in anthropology.

Note: Credit will be granted for only one of 391, 390 (if taken in the same topic). May be repeated under different topics.

Topics and prerequisite information will be provided by the departmental office.

Prerequisites: Prerequisites may vary depending upon topic; permission of the department for non-Anthropology Majors.

ANTH 392 Units: 1.5 Hours: 3-0

Formerly: 390

Selected Problems in Anthropology: Archaeology

Presentation of selected problems in anthropology.

Note: Credit will be granted for only one of 392, 390, 390C (if taken in the same topic). May be repeated under different topics. Topics and prerequisite information will be provided by the departmental office.

Prerequisites: Prerequisites may vary depending upon topic; permission of the department for non-Anthropology Majors.

ANTH 393 Units: 1.5 Hours: 3-0

Formerly: 390

Selected Problems in Anthropology: Cultural Anthropology

Presentation of selected problems in anthropology.

Note: Credit will be granted for only one of 393, 390, 390A (if taken in the same topic). May be repeated under different topics. Topics and prerequisite information will be provided by the departmental office.

Prerequisites: Prerequisites may vary depending upon topic; permission of the department for non-Anthropology Majors.

ANTH 394 Units: 1.5 Hours: 3-0

Formerly: 390

Selected Problems in Anthropology: Physical Anthropology

Presentation of selected problems in anthropology.

Note: Credit will be granted for only one of 394, 390, 390B (if taken in the same topic). May be repeated under different topics. Topics and prerequisite information will be provided by the departmental office.

Prerequisites: Prerequisites may vary depending upon topic; permission of the department for non-Anthropology Majors.

ANTH 395 Units: 1.5 Hours: 3-0

Formerly: 390

Selected Problems in Anthropology: Method and Theory

Presentation of selected problems in anthropology.

Note: Credit will be granted for only one of 395, 390, 390A, 390B, 390C, 390D (if taken in the same topic). May be repeated under different topics. Topics and prerequisite information will be provided by the departmental office.

Prerequisites: Prerequisites may vary depending upon topic; permission of the department for non-Anthropology Majors.

ANTH 396 Units: 1.5 Hours: 3-0

Formerly: 390

Selected Problems in Anthropology: Linguistic Anthropology

Presentation of selected problems in anthropology.

Note: Credit will be granted for only one of 396, 390, 390D (if taken in the same topic). May be repeated under different topics. Topics and prerequisite information will be provided by the departmental office.

Prerequisites: Prerequisites may vary depending upon topic; permission of the department for non-Anthropology Majors.

ANTH 400A Units: 1.5 Hours: 3-0

Formerly: part of 400

History of Anthropological Theory

History and development of the major trends in anthropological theory until the mid-20th century.

Note: Credit will be granted for only one of 400A, 400.

Prerequisites: Fourth-year standing and a minimum GPA of 4.0 in 200, 240 and 250.

ANTH 400B Units: 1.5 Hours: 3-0

Formerly: part of 400

Current Trends in Anthropological Theory

Survey of recent developments in anthropological theory.

Note: Credit will be granted for only one of 400B, 400.

Prerequisites: Fourth-year standing and a minimum GPA of 4.0 in 200, 240 and 250.

ANTH 401 Units: 1.5 Hours: 3-0

Also: ES 430

Cultural Ecology

Theories concerning the relationship of human groups, culture and environment; cultural systems as the means by which human populations adapt to their environments.

Note: Credit will be granted for only one of 401, ES 430.

Prerequisites: ES students: ES 200 or 300A, and one of ES 301 or 321; or permission of the department. ANTH students: A minimum grade of B- in ANTH 200.

ANTH 402 Units: 1.5 Hours: 3-0

Feminist Theory and Method in Anthropology

The history and development of feminist anthropology; contemporary debates. Emphasis on the contribution of anthropology to feminist theory and of feminist critiques to the development of anthropology.

Note: Credit will be granted for only one of 402, 390 (if taken in the same topic).

Prerequisites: A minimum grade of B- in 200, or permission of the department.

ANTH 405 Units: 1.5 Hours: 3-0

Economic Anthropology

A comparative analysis of the social context of production, distribution and exchange systems.

Prerequisites: 200.

ANTH 406 Units: 1.5 Hours: 3-0

Political Anthropology

Examination of the theoretical and methodological approaches to power and politics, based on anthropological research.

Prerequisites: 200.

ANTH 409 Units: 1.5 Hours: 3-0

Applied Ethnographic Film

Seminar-based course focused on visual research and production of ethnographic film. Student teams produce original ethnographic videos using the Visual Media Lab digital cameras and computer editing software and equipment.

Prerequisites: 200, 309.

Pre- or corequisites: 305.

ANTH 410 Units: 1.5 Hours: 3-0

Advanced Topics in Medical Anthropology

Examination of one or more research themes in medical anthropology.

Prerequisites: 312.

ANTH 418 Units: 1.5 Hours: 3-0

Cultural and Social Change

Survey of the theories advanced to explain cultural and social change. Special attention will be given to socio-cultural change among indigenous peoples of Africa, Asia, the Pacific and the Americas.

Prerequisites: A minimum grade of B- in 200.

ANTH 420 Units: 1.5 Hours: 3-0
Development Anthropology

Examines critiques of development theories and the practical application of anthropological research to development issues. Particular emphasis will be given to anthropological critiques of orthodox theories and models of "development," anthropological case studies of the cultural and social impact of development, and culturally sustainable approaches to development.

Prerequisites: 200.

ANTH 441 Units: 1.5 Hours: 3-0
Archaeological Method and Theory

The strategy of research in archaeology; archaeology as a subdiscipline and its comparison with related fields. Emphasizes theories of research methodology in archaeology as well as the contribution of archaeology to theories of cultural process.

Prerequisites: 240.

ANTH 449 Units: 1.5 Hours: 3-3
Archaeology of the Northwest Coast

Study of problems of interpreting Northwest Coast archaeological data. Field trips will be scheduled.

Prerequisites: 240.

ANTH 450 Units: 1.5 Hours: 3-0
Advanced Topics in Primate Behavioural Ecology

Seminar-based course focused on in-depth exploration of topics related to primate behavioural ecology such as method and theory in behavioural ecology, feeding ecology, socio-ecology, reproductive ecology. Multi-species comparative approaches will be used.

Note: Credit will be granted for only one of 450, 394 (if taken in the same topic).

Prerequisites: 250, 350 or 350A.

ANTH 452 Units: 1.5 Hours: 3-0
Advanced Topics in Human Osteology

Detailed examination of topics relating to the analysis of human skeletal remains. Topics may include: bioarchaeology, evolutionary anatomy and forensic osteology.

Note: May be repeated under different topics.

Prerequisites: 352

ANTH 453 Units: 1.5 Hours: 3-0
Human Evolutionary Ecology

Theories, data and analyses of the adaptiveness of human behaviour assessed via modern evolutionary theory in ecological context.

Prerequisites: 250.

ANTH 491 Units: 1.5 Hours: 3-0
Directed Studies in Anthropology: Ethnology

Individual study of specific research topics in ethnology with close collaboration and consent of the department and individual instructor.

Note: Credit will be granted for only one of 491, 490 (if taken in the same topic). A student may receive credit to a maximum of 3 units of 490-495 courses.

Prerequisites: Only open to Honours or Major students with fourth-year standing, a minimum GPA of 6.5 in upper-level Anthropology courses and a minimum overall cumulative GPA of 5.5.

ANTH 492 Units: 1.5 Hours: 3-0
Directed Studies in Anthropology: Archaeology

Individual study of specific research topics in archaeology with close collaboration and consent of the department and individual instructor.

Note: Credit will be granted for only one of 492, 490 (if taken in the same topic). A student may receive credit to a maximum of 3 units of 490-495 courses.

Prerequisites: Only open to Honours or Major students with fourth-year standing, a minimum GPA of 6.5 in upper-level Anthropology courses and a minimum overall cumulative GPA of 5.5.

ANTH 493 Units: 1.5 Hours: 3-0
Directed Studies in Anthropology: Cultural Anthropology

Individual study of specific research topics in cultural anthropology with close collaboration and consent of the department and individual instructor.

Note: Credit will be granted for only one of 493, 490 (if taken in the same topic). A student may receive credit to a maximum of 3 units of 490-495 courses.

Prerequisites: Only open to Honours or Major students with fourth-year standing, a minimum GPA of 6.5 in upper-level Anthropology courses and a minimum overall cumulative GPA of 5.5.

ANTH 494 Units: 1.5 Hours: 3-0
Directed Studies in Anthropology: Physical Anthropology

Individual study of specific research topics in physical anthropology with close collaboration and consent of the department and individual instructor.

Note: Credit will be granted for only one of 494, 490 (if taken in the same topic). A student may receive credit to a maximum of 3 units of 490-495 courses.

Prerequisites: Only open to Honours or Major students with fourth-year standing, a minimum GPA of 6.5 in upper-level Anthropology courses and a minimum overall cumulative GPA of 5.5.

ANTH 495 Units: 1.5 Hours: 3-0
Directed Studies in Anthropology: Method and Theory

Individual study of specific research topics in method and theory with close collaboration and consent of the department and individual instructor.

Note: Credit will be granted for only one of 495, 490 (if taken in the same topic). A student may receive credit to a maximum of 3 units of 490-495 courses.

Prerequisites: Only open to Honours or Major students with fourth-year standing, a minimum GPA of 6.5 in upper-level Anthropology courses and a minimum overall cumulative GPA of 5.5.

ANTH 499 Units: 1.5 formerly 3.0
Honours Seminar

Integration of current research in physical, social and cultural, linguistic and archaeological anthropology.

Prerequisites: Enrolment in departmental Honours Program and fourth-year standing.

ART

Visual Arts
Department of Visual Arts
Faculty of Fine Arts

Before admission to any 300-level art course, Visual Arts students should have completed a minimum of 12 units of out-of-department electives and their program requirements of 100- and 200-level art courses. Registration in upper-level courses is restricted to students majoring in Visual Arts.

ART 100E Units: 1.5, formerly 3.0 Hours: 0-3
Studio Foundation

The processes and ideas associated with contemporary art. Students will explore a range of studio practices and theoretical issues.

Note: ART (E) courses are offered only through the En'owkin Certificate Program in Indigenous Fine Arts.

ART 101E Units: 1.5 Hours: 0-3
Drawing

An introduction to concerns and methods in contemporary drawing. Students will gain experience in a range of studio practices as well as theoretical issues through projects and critiques.

Note: ART (E) courses are offered only through the En'owkin Certificate Program in Indigenous Fine Arts.

Pre- or corequisites: 100E.

ART 102 Units: 0.5 Hours: 0-1
Introduction to Shop Practices

Designed to provide students with knowledge and appreciation of safe practice in the shop area. Students will each participate in four labs of 3 hours in duration. Items covered will include basic WHMIS training, safe operation of power tools, and hand tools. Attendance at all labs and completion of projects is required.

Note: Transfer students may take this course concurrently with courses above the 100 level, but must complete the course in their first year in the Visual Arts department.

Grading: COM, N, F.

ART 103 Units: 1.5 Hours: 0-3
Foundation Drawing and Painting

One of the four courses forming the foundation year for studies in Visual Arts, this course is divided into two modules. The drawing module introduces the methods, materials and concerns in contemporary drawing through studio exercises and projects. The painting module introduces contemporary painting through studio projects exploring fundamental elements, materials and concepts.

Note: Priority is given to students registered in the BFA program in Visual Arts. Normally class size is limited.

ART 104 Units: 1.5 Hours: 0-3
Foundation Sculpture and Material Methods

One of the four courses forming the foundation year for studies in Visual Arts, this course focuses on the processes and ideas associated with material technologies in the visual arts and with the practices of contemporary sculpture. Students will explore a range of workshop and studio practices and theoretical issues.

Note: Priority is given to students registered in the BFA program in Visual Arts. Normally class size is limited.

ART 105 Units: 1.5 Hours: 0-3
Foundation Photography and Video Art

One of the four courses forming the foundation year for studies in Visual Arts, this course focuses on the processes and ideas associated with the practices of contemporary photography and video art. Students will explore a range of studio practices and theoretical issues.

Note: Priority is given to students registered in the BFA program in Visual Arts. Normally class size is limited.

ART 106 Units: 1.5 Hours: 0-3
Foundation Core Media Technologies and Arts

One of the four courses forming the foundation year for studies in Visual Arts, this course focuses on the core digital technologies applicable to the visual arts, and to the processes and ideas associated with the practices of contemporary digital media. Students will explore a range of studio techniques, practices and theoretical issues.

Note: Priority is given to students registered in the BFA program in Visual Arts. Normally class size is limited.

ART 130E Units: 1.5 Hours: 0-3
Printmaking

An introductory course in printmaking techniques which will prepare the student for more advanced printmaking courses.

Note: ART (E) courses are offered only through the En'owkin Certificate Program in Indigenous Fine Arts.

Pre- or corequisites: 100E, 101E.

ART 141 Units: 1.5 Hours: 3-0
An Introduction to Contemporary Art Photography

An introductory lecture and practical course focusing on the ideas associated with contemporary art photography. Through lectures which will introduce students to various practices of contemporary photographers and photography assignments, students will gain insight into photography as an art practice within the field of contemporary art.

Note: Open for non-visual art students and available as an elective for Visual Arts students.

ART 150 Units: 1.5 Hours: 3-0
Introduction to Contemporary Art Theory: Practice and Criticism

A lecture course introducing the terms and concepts necessary for an understanding of contemporary art.

Note: Normally class size is limited.

ART 151 Units: 1.5 Hours: 3-0
An Introduction to Contemporary Visual Art

A lecture course open to all students. Introduces some of the pertinent subjects and issues within contemporary art today. Uses examples of contemporary art and provides a critical context in which to approach current art practices.

Note: Recommended for all Visual Arts students.

ART 201 Units: 1.5 Hours: 0-3
Formerly: 101
Drawing

An introduction to concerns and methods in contemporary drawing. Students will gain experience in a range of studio practices as well as theoretical issues through projects and critiques.

Note: Credit will be granted for only one of 201, 101. Normally class size is limited.

Prerequisites: 100 or 103.

ART 202 Units: 1.5 Hours: 0-3
Formerly: 200
Drawing

A continuation of 201. Students will move towards a more independent way of working.

Note: Credit will be granted for only one of 202, 200. Normally class size is limited.

Prerequisites: 101 or 201.

ART 211 Units: 1.5 Hours: 0-3
Formerly: 110
Painting

A studio introduction to painting and related areas.

Note: Credit will be granted for only one of 211, 110. Normally class size is limited.

Prerequisites: 100 or 103.

ART 212 Units: 1.5 Hours: 0-3
Formerly: 210
Painting

An extension of 211.

Note: Credit will be granted for only one of 212, 210. Normally class size is limited.

Prerequisites: 110 or 211.

ART 221 Units: 1.5 Hours: 0-3
Formerly: 120
Sculpture

An introduction to concerns and methods in contemporary sculpture. Students will experience a broad range of studio practices as well as explore theoretical issues. Short projects and critiques are the standard format for this class.

Note: Credit will be granted for only one of 221, 120. Normally class size is limited.

Prerequisites: 100 or 104.

ART 222 Units: 1.5 Hours: 0-3
Formerly: 220
Sculpture

A continuation of 221; students will continue to develop their study of contemporary sculptural practices, with an increasing focus on their ability to undertake independent work.

Note: Credit will be granted for only one of 222, 220. Normally class size is limited.

Prerequisites: 120 or 221.

ART 241 Units: 1.5 Hours: 0-3
Formerly: 140
Photography

An introduction to analog black and white photography. Students will learn basic camera techniques and darkroom procedures as well as being given projects that explore contemporary issues in art photography.

Notes: - Students must supply their own SLR manual camera with a 50 mm lens. Digital cameras are not accepted for this course.

- Credit will be granted for only one of 241, 140.

Normally class size is limited.

Prerequisites: 100 or 105.

ART 242 Units: 1.5 Hours: 0-3
Formerly: 240
Photography

A continuation of 241, including both practical and theoretical aspects of photography.

Notes: - Students must supply their own SLR manual camera with a 50 mm lens. Digital cameras are not accepted for this course.

- Credit will be granted for only one of 242, 240.

Normally class size is limited.

Prerequisites: 140 or 241.

ART 250 Units: 1.5 Hours: 3-0
Modernism and Postmodernism

A lecture course that will survey some conditions that distinguish modernism from postmodernism and consider pertinent theoretical positions.

ART 261 Units: 1.5 Hours: 0-3
Formerly: 160
Digital Media Arts

An introduction to concerns and methods in the contemporary practice of digital media in a computer lab environment.

Note: Credit will be granted for only one of 261, 160. Normally class size is limited.

Prerequisites: 100 or 106.

ART 262 Units: 1.5 Hours: 0-3
Formerly: 260
Digital Media Arts

An extension of 261. Exploration of digital arts will be extended to sound and video. Relevant computer programs to manipulate digital sound, video and animation will be introduced.

Note: Credit will be granted for only one of 262, 260. Normally class size is limited.

Prerequisites: 160 or 261.

ART 271 Units: 1.5 Hours: 0-3
Formerly: 170
Video Art

An introduction to the basic technical and aesthetic concepts in video production. The film and video works of contemporary artists will be explored.

Note: Credit will be granted for only one of 271, 170. Normally class size is limited.

Prerequisites: 100 or 105.

ART 272 Units: 1.5 Hours: 0-3
Formerly: 270
Video Art

A continuation of 271; alternative imaging concepts, projection systems, computer displays and installation techniques will be discussed. Video will be dealt with as an extension of a contemporary art practice.

Note: Credit will be granted for only one of 272, 270. Normally class size is limited.

Prerequisites: 170 or 271.

ART 300 Units: 3.0 Hours: 0-3
Drawing

Advanced course in drawing.

Notes: - Concurrent registration in two sections of 300 is permitted, normally with two different instructors.

- May be repeated for up to 9 units of credit.

- Normally class size is limited.

Prerequisites: 150, (200 or 202).

ART 306 Units: 6.0 Hours: 1.5-4.5
Studies in Drawing, Photo, Media and Interdisciplinary Practices I

Intermediate application of conceptual, technical and creative skills in the independent research and production of self directed projects in the areas of drawing, photo, digital media and interdisciplinary practices. Understanding that academic explorations are linked with art practice, students will explore the contextualization of their work in relation to significant areas of contemporary thought. Team taught by faculty from Visual Arts and other disciplines, this course includes both studio and seminar components.

Prerequisites: 9 units of 200-level Visual Arts courses.

ART 310 Units: 3.0 Hours: 0-3
Painting

Advanced course in painting.

Notes: - Concurrent registration in two sections of 310 is permitted, normally with two different instructors.

- May be repeated for up to 9 units of credit.

- Normally class size is limited.

Prerequisites: 150, (210 or 212).

ART 320 Units: 3.0 Hours: 0-3
Sculpture

Advanced course in sculpture.

Notes: - Concurrent registration in two sections of 320 is permitted, normally with two different instructors.

- May be repeated for up to 9 units of credit.

- Normally class size is limited.

Prerequisites: 150, (220 or 222).

ART 334 Units: 3.0 Hours: 0-3
Multi-Media Printmaking

A studio course placing emphasis on the use of a variety of media in printmaking.

Note: Class size is limited. May be taken more than once for credit with permission of the department.

Prerequisites: 130, 230.

ART 340 Units: 3.0 Hours: 0-3
Photography

An extension of 242. More advanced techniques and an emphasis on developing individual concerns.

Notes: - Concurrent registration in two sections of 340 is permitted, normally with two different instructors.

- May be repeated for up to 9 units of credit.

- Students must have their own camera.

- Normally class size is limited.

Prerequisites: 150, (240 or 242).

ART 350 Units: 3.0 Hours: 3-0
Contemporary Art Theory and Practice

An introduction to the contexts - social, political, economic and intellectual - in which the artist operates today. Does not deal with the history of contemporary art.

Note: Not considered a studio prerequisite for entry into other department courses. Class size is limited.

Prerequisites: 150 or permission of the department.

ART 351 Units: 1.5 or 3.0 Hours: 0-3
Special Studies

The study of a specialized topic or area and its relationship to practice.

Note: May be taken more than once for credit in different topics. Class size is limited.

Prerequisites: Minimum of 12 units in 100- and 200-level courses, or permission of the department.

ART 360 Units: 3.0 Hours: 0-3
Digital Media Installation

An advanced course in digitally-based art practice.

Notes: - Concurrent registration in two sections of 360 is permitted, normally with two different instructors.

- May be repeated up to 9 units of credit.

- Normally class size is limited.

Prerequisites: 150, (260 or 262).

ART 370 Units: 3.0 Hours: 0-3
Digital Video Art

An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.

Notes: - Concurrent registration in two sections of 370 is permitted, normally with two different instructors.

- May be repeated up to 9 units of credit.

- Normally class size is limited.

Prerequisites: 150, (270 or 272).

ART 380 Units: 1.5, formerly 3 Hours: 0-3
Curatorial Direction

Using the resources of the Visual Arts Department, students will learn to develop ideas around the exhibition of works of art. This may include organizing thematic group shows, solo exhibitions, promotion, cataloguing, presentation and fund-raising.

Notes: - May be taken more than once for credit to a maximum of 3 units.

- Normally class size is limited.

Prerequisites: 150 and 9 units of 200 level Visual Art.

ART 390 Units: 1.5 to 4.5
Directed Studies in Visual Arts

This course will be developed in consultation with the instructor and the Chair of the department.

Note: May be taken more than once in different topics to a maximum credit of 9 units.

Prerequisites: Third-year standing and permission of the department.

ART 395 Units: 6.0 Hours: 1.5 - 4.5
Visual Structures in the Imaginative Realm I

Enhanced education for the creation of objects and images within a studio-centred context. Sculpture, painting and installation form core areas for creative research within a broad experimental approach. Cross-disciplinary knowledge and the relationship of studio production to the built environment will guide students towards working independently. Team taught by faculty from Visual Arts and other disciplines; includes seminar component.

Prerequisites: 9 units of 200-level Visual Art courses.

ART 406 Units: 9.0 Hours: 1.5-7.5
Studies in Drawing, Photo, Media and Interdisciplinary Practices II

Advanced application of conceptual, technical and creative skills in the independent research and production of self directed projects in the areas of drawing, photo, digital media and interdisciplinary practices. Understanding that academic explorations are linked with art practice, students will explore the contextualization of their work in relation to significant areas of contemporary thought. Team taught by faculty from Visual Arts and other disciplines, this course includes both studio and seminar components.

Note: 306 recommended.

Prerequisites: 9 units of 300-level Visual Arts studio courses.

ART 490 Units: 1.5 or 3.0
Directed Studies

This course is for advanced students who have a shared field of interest with a particular instructor. Students are expected to have a well-developed proposal prepared in order to apply to an instructor for supervision.

Notes: - It is the expectation that, as well as the weekly conference time with their adviser, students will spend a minimum of 3 hours per week in the studio.

- Students may not take a third-year course and a directed studies with the same instructor in the same discipline in the same year.

- May be taken more than once for credit up to a maximum of 3 units.

Prerequisites: 6 units of credit in the specialized area of study, at least 3 units of which must be at the third-year level, and permission of the department. Normally for Major students only.

ART 492 Units: 6.0 Hours: 0-6
Advanced Studio

Advanced Studio will give students time and opportunity to pursue studio practice within an intensive area. The course will involve individual studio practice and critique, group critique, and seminar. Each section will be team taught, and may include one faculty member from the university at large. Students will choose a section based on topic, artistic direction and/or interests and media of the faculty team. Teams and topics will be announced each year prior to registration.

Note: May not be offered every year.

Prerequisites: 9 units of 300-level courses in Visual Arts.

ART 493 Units: 9.0 Hours: 1.5 - 7.5
Advanced Studio: Special Studies

Advanced Studio will give students time and opportunity to pursue studio practice within an intensive area. The course will involve individual studio practice and critique, group critique, and seminar. Each section will be team taught, and may include one faculty member from the university at large. Students will choose a section based on topic, artistic direction and/or interests and media of the faculty team. Teams and topics will be announced each year prior to registration.

Prerequisites: 9 units of 300-level courses in Visual Arts and permission of the department.

ART 495 Units: 9.0 Hours: 1.5-7.5
Visual Structures in the Imaginative Realm II

Enhanced education for the creation of objects and images within a studio-centred context. Sculpture, painting and installation form core areas within a broad experimental approach. Cross-disciplinary knowledge and the relationship of studio production to the built environment will guide students towards specific outcomes, including a portfolio for those continuing to professional practices or to graduate studies in visual art, design or architecture. Team taught by faculty from Visual Arts and other disciplines; includes seminar component.

Note: 395 recommended.

Prerequisites: 9 units of 300-level Visual Arts courses.

ARTS

Arts
Faculty of Humanities

ARTS 190 Units: 1.5
Individual Study

Granted only by special permission of the Dean of Humanities, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

ARTS 290 Units: 1.5
Individual Study

Granted only by special permission of the Dean of Humanities, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

ARTS 390 Units: 1.5
Individual Study

Granted only by special permission of the Dean of Humanities, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

ASL

American Sign Language
Faculty of Humanities

ASL 100A Units: 1.5 Hours: 3-1
American Sign Language I

Introduction to language used by the Deaf community in North America; no prior knowledge required. Covers essentials of grammar, basic vocabulary and fundamental structures for everyday interaction; provides insight into the Deaf community and Deaf culture.

ASL 100B Units: 1.5 Hours: 3-1
American Sign Language II

Emphasis on increasing vocabulary, skills applying grammatical features, facial expression and receptive and expressive signing.

Prerequisites: ASL 100A or permission of the Associate Dean of Faculty of Humanities.

ASTR

Astronomy
Department of Physics and Astronomy
Faculty of Science

Courses offered by the Department of Physics and Astronomy are also found under the following course code: PHYS (Physics).

ASTR 101 Units: 1.5 Hours: 3-3
Formerly: **part of ASTR 120****Exploring the Night Sky**

A general course designed for non-science students. A tour of the solar system: the nature and origins of planets and moons, comets, asteroids, and the sun. Discoveries of recent space exploration and the history of our changing views of our place in the universe. Eclipses, seasons, climatic cycles, dangers posed by meteorite impacts. The possibility of extra-terrestrial life. Laboratories on alternate weeks; practical work includes observations with campus telescopes.

Note: Credit will be granted for only one of 101, 120.

ASTR 102 Units: 1.5 Hours: 3-3
Formerly: **part of ASTR 120****Exploring the Cosmos**

A general course designed for non-science students. An exploration of how astronomical observations guide and challenge our understanding of the fundamental laws of nature. Cosmology, and the elusive dark matter and dark energy that determine the universe's fate. Stars, galaxies, and relics left over by the Big Bang. Black holes and relativity; supernovae and neutron stars. Laboratories on alternate weeks; practical work includes observations with campus telescopes.

Note: Credit will be granted for only one of 102, 120.

ASTR 150 Units: 1.5 Hours: 3-3
Concepts in Modern Astronomy

Introduces some of the great ideas and concepts in modern astronomy, as well as the basic physical principles required to understand these concepts. Topics include: properties of the solar system, extrasolar planets, galaxies, expanding universe, big bang, origin of the elements, dark matter, dark energy, black holes, neutron stars.

Note: Credit will be granted for only one of 150, 200A.

Pre- or corequisites: One of PHYS 112, 120, or 122; MATH 100; or permission of the department.

ASTR 201 Units: 1.5 Hours: 3-3
The Search for Life in the Universe

A general science course designed to be accessible to students not majoring in science. An overview of modern scientific thought on the possibility of life beyond Earth and the current research being done to find it; the likeliest locations of life in our Solar System; the hunt for planets around other stars; the search for extraterrestrial intelligence (SETI). Laboratories on alternate weeks; practical work includes observations with campus telescopes.

Prerequisites: Second-year standing.

ASTR 250 Units: 1.5 Hours: 3-3
Introduction to Astrophysics

Provides the physical foundation and introduction of astronomical terminology that is used in subsequent courses. Topics include: astronomical coordinate systems, telescopes, stellar distances and magnitudes, binary stars, spectral classification, stellar evolution, variable stars, stellar motions, star clusters, interstellar medium, structure and rotation of the galaxy, external galaxies.

Note: Credit will be granted for only one of 250, 200B.

Prerequisites: One of PHYS 112, 120 or 122; MATH 100 and 101; or permission of the department.

ASTR 255 Units: 1.5 Hours: 3-0
Introduction to Planetary Science

An overview of the study of planetary systems. The main focus is on our Solar System, but the course includes the study of planets outside the Solar System. Topics covered include: basic planet formation, planetary orbits, measurements of the properties of plan-

ets, study of extrasolar planets, the Earth-Moon system.

Note: Credit will be granted for only one of 255, 304.

Pre- or corequisites: 200B or 250, PHYS 215 and 216.

ASTR 303 Units: 1.5 Hours: 3-0
Introductory Extragalactic Astronomy

Kinematics and morphology of spiral (including the Milky Way), elliptical and irregular galaxies. Introduction to current theory for the formation and evolution of galaxies and the large-scale structure. Observations of active galactic nuclei, jets and quasi-stellar objects.

Prerequisites: 200B or 250; PHYS 215 and 216; or permission of the department.

Pre- or corequisites: PHYS 317.

ASTR 329 Units: 1.5 Hours: 0-6
Formerly: **429A****Introduction to Observational Astronomy**

Introduction to observational and data analyses techniques in Astronomy. Observational and practical work, directed reading.

Note: Credit will be granted for only one of 329, 429A.

Prerequisites: 250, 255.

ASTR 400 Units: 1.5 Hours: 3-0
Radio Astronomy

The detection of cosmic radio waves; mechanisms for production of radio noise; the sources of radio waves; the contribution of radio astronomy to our knowledge of the universe.

Prerequisites: 200B or 250; PHYS 215 and 216. PHYS 325 is recommended.

Pre- or corequisites: MATH 326.

ASTR 402 Units: 1.5 Hours: 3-0
Introduction to Galaxies and Galactic Dynamics

Overview of the Milky Way, galaxy morphology, galaxy evolution, morphology-density relation, scaling relations, galactic dynamics, gravitational potential theory applied to galaxies, and stellar orbits in galaxies, active galaxies, gravitational lensing.

Prerequisites: 200B or 250; 303.

Pre- or corequisites: MATH 326 or 346; ASTR 303 is strongly recommended.

ASTR 403 Units: 1.5 Hours: 3-0
Introduction to Astrophysical Processes

Topics may include: fundamentals of radiative transfer; radiation processes (e.g., bremsstrahlung, synchrotron radiation, Compton scattering), atomic and molecular spectra; the basics of plasma physics, gas dynamics (e.g., shocks, accretion flows and winds), collisional processes (ionization, excitation); photo-ionization; line transfer effects (e.g., fluorescence, charge exchange).

Prerequisites: 200B or 250; PHYS 317, 323, 326.

Pre- or corequisites: MATH 326 or 346; ASTR 303 is strongly recommended.

ASTR 404 Units: 1.5 Hours: 3-0
Introduction to Stellar Astrophysics

The structure and evolution of stars, stellar atmospheres, the production of stellar spectra, interstellar matter.

Prerequisites: 200B or 250; PHYS 317, 323, 326.

Pre- or corequisites: MATH 326 or 346.

ASTR 405 Units: 1.5 Hours: 3-0
Introduction to Cosmology

Observations and theory of the expanding universe; the cosmic microwave background and observations of light nuclear elements; the growth of structure leading to the creation of stars and galaxies; studies

of dark matter and dark energy; the impact of galaxy evolution on observational cosmology.

Prerequisites: 200B or 250, and MATH 326 or 346, or permission of the department. ASTR 303 is recommended.

ASTR 429 Units: 1.5 Hours: 0-6
Formerly: **429B****Observational Astronomy**

Observational and practical work, directed reading.

Notes: - Credit will be granted for only one of 429, 429B.

- Normally open to Honours students only. Others with permission of the department. No text required.

ASTR 460 Units: 0 Hours: 2-0
Colloquium

Weekly physics and astronomy colloquium.

Grading: COM, N, F.

ASTR 490 Units: 1.0-3.0
Directed Studies

Note: Students must obtain permission of the department before registering.

BCMB**Biochemistry and Microbiology**
Department of Biochemistry and Microbiology
Faculty of Science**BCMB 301A** Units: 1.5 Hours: 0-6
Formerly: **part of BIOC 301, MICR 301**
Intermediate Laboratory I

An intermediate course in biochemical, microbiological and molecular biological laboratory techniques.

Note: Credit will be granted for only one of 301A, BIOC 301. Limited enrolment. Open to Biochemistry and Microbiology majors only, or by permission of the department.

Prerequisites: MICR 200A and 200B, or 200.

Pre- or corequisites: One of BIOC 300A, 300B, 300; or permission of the department.

BCMB 301B Units: 1.5 Hours: 0-6
Formerly: **part of BIOC 301, MICR 302**
Intermediate Laboratory II

An intermediate course in biochemical, microbiological and molecular biological laboratory techniques.

Note: Credit will be granted for only one of 301B, BIOC 301.

Prerequisites: 301A.

Pre- or corequisites: One of BIOC 300A, 300B, 300; or permission of the department.

BCMB 406A Units: 1.5 Hours: 0-6
Formerly: **part of BIOC 406, MICR 406**
Advanced Laboratory I

An advanced course in biochemical, microbiological and molecular biological laboratory techniques.

Note: Credit will be granted for only one of 406A, BIOC 406, MICR 406. Limited enrolment. Open to Biochemistry and Microbiology majors only, or by permission of the department.

Prerequisites: 301A and 301B, or BIOC 301 and MICR 301, 302; or permission of the department.

BCMB 406B Units: 1.5 Hours: 0-6
Formerly: **part of BIOC 406, MICR 406**
Advanced Laboratory II

An advanced course in biochemical, microbiological and molecular biological laboratory techniques.

Note: Credit will be granted for only one of 406B, BIOC 406, MICR 406. Limited enrolment. Open to

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Biochemistry and Microbiology majors only, or by permission of the department.

Prerequisites: 301A and 301B, or BIOC 301 and MICR 301, 302; or permission of the department.

BIOC

Biochemistry Department of Biochemistry and Microbiology Faculty of Science

BIOC 102 Units: 1.5 Hours: 3-0 Biochemistry and Human Health

An introduction to current issues related to human health and disease and approaches taken by biomedical scientists in response to them. Cancer, autoimmune diseases, and coronary heart disease; the concept of risk factors; infectious diseases, e.g., AIDS, dysentery, tuberculosis, and parasitic infections; human nutrition, food safety and preservation, and their relation to health and world food shortages. Strategies for disease treatment, e.g., animal cloning, gene therapy, genetic engineering, vaccination, and the development of new pharmaceuticals such as human hormones; controversies associated with each strategy.

Note: Not open for credit to students registered in BIOC 300A or 300B, or with credit in a third-year BIOC or BIOL course.

BIOC 299 Units: 1.5 Hours: 3-0-1 Biochemistry for Non-Majors

An introduction to the concepts of biochemistry intended for students not majoring in biochemistry or microbiology. Properties of bio-molecules, basic enzymology and metabolism. Bioenergetics, nucleic acid structure and synthesis. Protein synthesis. Structure and properties of membranes.

Note: Not open for credit to students registered in, or with credit in any third-year BIOC course. Credit will be granted for only one of BIOC 299, 200. Students without a background in cell biology may find they are required to do additional reading to fully understand some aspects of this course.

Prerequisites: CHEM 231.

BIOC 300A Units: 1.5 Hours: 3-0-1 Formerly: part of 300 General Biochemistry I

BIOC 300A and 300B are intended to provide detailed coverage of foundation topics for students majoring in biochemistry or microbiology. Protein structure and function, enzymes and enzyme kinetics, carbohydrates, lipids, biological membranes and bioenergetics.

Note: Credit will be granted for only one of 300A, 300.

Prerequisites: BIOL 225, CHEM 231; and CHEM 232 or 235. CHEM 213 is recommended. At least a C+ standing in prerequisites is recommended.

BIOC 300B Units: 1.5 Hours: 3-0-1 Formerly: part of 300 General Biochemistry II

BIOC 300A and 300B are intended to provide detailed coverage of foundation topics for students majoring in biochemistry or microbiology. Metabolic processes and their control, as well as structure and function of DNA, RNA, and genes.

Note: Credit will be granted for only one of 300B, 300.

Prerequisites: BIOL 225, CHEM 231; and CHEM 232 or 235. CHEM 213 is recommended. At least a C+ standing in prerequisites is recommended.

BIOC 401 Units: 1.5 Hours: 3-0 Gene Expression in Eukaryotes

An advanced study of gene expression in eukaryotes. Topics will include gene structure, transcription systems, post-transcriptional processing, and regulation of transcription, post-transcription, and translation.

Prerequisites: 300A and 300B, or 300; CHEM 213; or permission of the department.

BIOC 403 Units: 1.5 Hours: 3-0 Biochemistry of Signal Transduction

The biochemical basis of the transmission of molecular signals from a cell's exterior to its interior to bring about changes in cellular behavior and gene expression. Topics will include membrane lipids, signal protein modularity and cell migration.

Prerequisites: 300A and 300B, or 300; or permission of the department.

BIOC 404 Units: 1.5 Hours: 3-0 Proteins

Detailed examination of protein structure and function emphasizing techniques for the determination of protein structure and the study of protein interactions in binding and catalysis. Consists of formal lectures in addition to required readings.

Prerequisites: 300A and 300B, or 300; CHEM 213; or permission of the department.

BIOC 407 Units: 1.5 Hours: 3-0 Plant Molecular Biology and Biochemistry

An advanced study of the molecular biology and biochemistry of higher plants with specific examples. Topics will include: seed biochemistry and embryogenesis, si RNA, chromatin remodelling, structure and function of hormone receptors and photoreceptors, cell signalling pathways during development and abiotic stress, plant-microbe interactions, innate immune responses and defense signalling, applied biochemistry.

Prerequisites: 300A and 300B, or 300; or permission of the department.

BIOC 408 Units: 1.5 Hours: 3-0 Epigenetic Regulation of Chromatin

An advanced study of chemical modifications of the chromatin fibre. Topics will include chromatin organization, histone post-translational modifications, histone variants, and DNA methylation. A special emphasis on epigenetics in gene regulation and nuclear metabolism with a discussion of current literature highlighting the role of epigenetics in human disease.

Prerequisites: 300A and 300B, or 300; CHEM 213; or permission of the department.

BIOC 470 Units: 1.5 Directed Studies in Biochemistry

Directed studies may not be taken more than once and are normally only available to students with a minimum cumulative GPA of 5.0 and fourth-year standing in the BIOC/MICR program.

BIOC 499A Units: 1.5 Formerly: part of 499 Undergraduate Thesis I

The first stage of a research project conducted under the direction of a faculty member. Open to Honours students only.

Notes: - Credit will be granted for only one of 499A and 499B, 499, MICR 499A and 499B, MICR 499.

- 499A and 499B are "tied" courses and must be taken in consecutive terms except with permission of the department.

- Credit for 499A will be assigned only upon successful completion of 499B.

Prerequisites: Permission of the department.

Grading: INP, letter grade (assigned upon completion of 499B; if 499B is not completed, a grade of N will be assigned to 499A).

BIOC 499B Units: 1.5 Formerly: part of 499 Undergraduate Thesis II

Continuation of a research project conducted under the direction of a faculty member. Open to Honours students only.

Notes: - Credit will be granted for only one of 499A and 499B, 499, MICR 499A and 499B, MICR 499.

- 499A and 499B are "tied" courses and must be taken in consecutive terms except with permission of the department.

- Credit for 499A will be assigned only upon successful completion of both courses.

Prerequisites: 499A.

BIOL

Biology Department of Biology Faculty of Science

BIOL 150A Units: 1.5 Hours: 3-0 Modern Biology

An introduction to biological science, emphasizing the diversity of living organisms and the evolutionary and ecological principles underlying this diversity. Topics include the history of life on earth, mechanisms of evolution, and the ecology of populations, communities and ecosystems (including human ecology).

Note: Not open to students with credit in 150, 190A, 190B. 150A and 150B may be taken in any order. Major and Honours students, see "Notes on Course Requirements".

BIOL 150B Units: 1.5 Hours: 3-0 Modern Biology

An introduction to biological science, emphasizing cellular and physiological processes. Topics include principles of genetics, cell biology, plant physiology and animal physiology.

Note: Not open to students with credit in 150, 190A, 190B. 150A and 150B may be taken in any order. Major and Honours students, see "Notes on Course Requirements".

BIOL 190A Units: 1.5 Hours: 3-3 General Biology I

The first of two courses introducing the biological sciences. Biological chemistry, cellular diversity, membrane structure and function, energy transduction, DNA replication, mitosis and the cell cycle, meiosis and sexual life cycles, Mendelian genetics, gene expression, evolutionary theory, and diversity of prokaryotes, protists, plants, and fungi.

Note: Credit will be granted for only one of 190A, 210.

Prerequisites: Biology 12, or Biology 11 and 150B, or 150A and B; Chemistry 11 or 12 strongly recommended.

BIOL 190B Units: 1.5 Hours: 3-3 General Biology II

The second of two courses introducing the biological sciences. Structure, growth, nutrition, and development of plants; animal diversity; principles of animal physiology including homeostatic mechanisms, circulation, gas exchange, osmoregulation, thermoregulation, defense systems, chemical signalling, reproduction, and development.

Note: Credit will be granted for only one of 190B, 220.

Prerequisites: 190A or 210.

BIOL 215 Units: 1.5 Hours: 3-3
Principles of Ecology

An introduction to factors controlling the distribution and abundance of plants and animals. Physical environments of organisms; biotic environments and interactions among species; factors influencing population growth; behavioural ecology; community ecology; succession; trophic levels and energy flow, island biogeography; biodiversity; human impact on global ecology; conservation ecology.

Note: Credit will be granted for only one of 215, 306.

Prerequisites: 190A or 210; 190B or 220; or equivalent.

BIOL 225 Units: 1.5 Hours: 3-3
Principles of Cell Biology

An introduction to cellular, subcellular, and molecular structure/function relationships in eukaryotic cells. Membrane structure and dynamics, membrane transport, protein sorting, vesicular transport, endocytic pathways, extracellular matrices, interactions with the cellular and acellular environments, endomembrane system, cytoskeleton and motility, cellular reproduction, mechanisms of cell signalling, techniques in cell biology.

Note: Credit will be granted for only one of 225, 200.

Prerequisites: 190A or 210 or equivalent.

Pre- or corequisites: 190B or 220 or MICR 200 or 200A or equivalent.

BIOL 230 Units: 1.5 Hours: 3-3
Principles of Genetics

Introduction to principles of inheritance. Classical genetic theory; meiosis, mitosis, recombination, population genetics and evolution, genotype, phenotype, random assortment, dominance, DNA structure, function, replication and molecular basis of inheritance. RNA and protein synthesis, regulation of transcription and gene organization. Introduction to DNA technologies.

Note: Credit will be granted for only one of 230, 300.

Prerequisites: 225.

Pre- or corequisites: CHEM 231; BIOC 299 recommended.

BIOL 248 Units: 1.5 Hours: 3-0-1
Topics in Organismal Biology

Special topics demonstrating how the functioning of whole organisms can be understood by integrating multiple levels of biological organization. Tutorials will incorporate group work and discussion of selected problems.

Note: Not open to students with third- or fourth-year standing.

Prerequisites: A minimum grade of C+ in 190A; 190B or MICR 200A.

BIOL 307 Units: 1.5 Hours: 3-3
Chordate Zoology

Chordates: evolutionary history and adaptations. Major taxonomic groups, with emphasis on derived and defining characteristics; locomotion, feeding, sensory systems and reproduction. Laboratory exercises include observations of prepared specimens, dissections, written assignments and oral presentations.

Note: Credit will be granted for only one of 307, 207.

Prerequisites: 190A, 190B.

BIOL 309 Units: 1.5 Hours: 3-3
Developmental Biology

The development processes of animals, emphasizing the principles and major mechanisms regulating morphogenesis and cellular differentiation. Laboratories will introduce students to observations and manipulations of embryos of a range of organisms.

Prerequisites: 360.

BIOL 311 Units: 1.5 Hours: 3-3
Also: EOS 311

Formerly: 311B

Biological Oceanography

An introduction to the ways in which physical, chemical and biological processes interact to regulate structure and productivity of marine ecosystems. Lectures will focus primarily on planktonic ecosystems. Participation in a one-day oceanographic cruise is required.

Note: Credit will be granted for only one of 311, 311B, EOS 311.

Prerequisites: MATH 100 or 102, PHYS 102 or 112 and CHEM 101/102; 215 recommended.

BIOL 312 Units: 1.5 Hours: 3-3
Entomology

The study of insects, focusing on phylogenetics, ecology and evolution. Topics include: medical entomology, plant-insect interactions, and social insects. The lab focuses on insect identification and collecting techniques.

Prerequisites: 190B, 215.

BIOL 319 Units: 1.5 Hours: 3-3
Marine Ecology

The agents that control the distribution of organisms and structure of marine communities, including the influence of environmental conditions on plant and animal populations, organic matter and nutrient cycling, consumer dynamics and competition, community stability and diversity.

Prerequisites: 321 or 206; 306 or corequisite 330 or ES 310 or 344. 323 or 203 recommended.

BIOL 321 Units: 1.5 Hours: 3-3
Survey of Invertebrates

Invertebrate diversity in an evolutionary perspective. Morphology, life histories, phylogeny and upper level systematics; selected aspects of behaviour and physiology. Laboratory exercises include study of live and preserved specimens.

Note: Credit will be granted for only one of 321, 206.

Prerequisites: 190A or 210; 190B or 220; 225.

BIOL 322 Units: 1.5 Hours: 3-3
Biology of Marine Invertebrates

Selected functional categories of invertebrate adaptations. In particular: defensive adaptations, adaptations related to feeding and nutrition, symbiotic relationships, musculo-skeletal systems, and reproductive and developmental adaptations. Emphasis is on interpretation of data from the published literature. Laboratory exercises involve study of live material and will include observations on behaviour, larval types, and anatomy as exposed by dissections.

Prerequisites: 321.

BIOL 323 Units: 1.5 Hours: 3-3
Algae and Fungi

The origins, classification, evolution, genetics, physiology, ecology, and economic uses of the algae and fungi. Laboratories introduce plants from the local flora and include field trips to terrestrial and marine habitats.

Note: Credit will be granted for only one of 323, 203.

Prerequisites: 215, 225.

BIOL 324 Units: 1.5 Hours: 3-3
Biology of Land Plants

The origins, classification, and evolution of land plants including bryophytes, ferns and fern allies, conifers and other gymnosperms, and flowering plants. Laboratories emphasize local plants and include field trips.

Note: Credit will be granted for only one of 324, 204.

Prerequisites: 190A, 190B.

BIOL 325 Units: 1.5 Hours: 3-3
Tree Biology

The unique features and specialized adaptations of trees. Tree physiology, cell biology, morphology and anatomy. Laboratory exercises and field trips will reinforce lecture concepts.

Prerequisites: A minimum grade of B in 225.

BIOL 329 Units: 1.5 Hours: 3-3
Biology of the Vertebrates of British Columbia

Factors that influence the organization, distribution, and diversity of vertebrates in BC. Topics include: natural history, systematics, sample design, biodiversity, and conservation initiatives. Course goals are to appreciate the diversity of vertebrates and understand life histories and species-at-risk issues. The lab will focus on identification of over 400 species of vertebrates by using calls, digital images, and study skins. Optional field trips. Attendance at the Annual Vertebrate Symposium is mandatory.

Prerequisites: 215; third-year standing.

BIOL 330 Units: 1.5 Hours: 3-3
Also: ES 344**Study Design and Data Analysis**

An introduction to the statistical analysis of biological data, experimental design, and sampling design. Laboratories emphasize computer-based analysis of selected data sets and report writing, as well as a major project.

Note: Credit will be granted for only one of 330, ES 310, ES 344.

Prerequisites: STAT 255; third-year standing. STAT 256 recommended.

Pre- or corequisites: 215.

BIOL 334 Units: 1.5 Hours: 3-0
Plants and People

Plants as sources of food, fibre, drugs, and industrial raw materials from historical and contemporary perspectives. Aspects of plant growth, development, physiology, genetics and pathology, particularly as they relate to the economic uses of plants.

Note: Credit for this course will not be counted toward degree programs in Biology, but Biology students may take this course as an elective.

Prerequisites: Third-year standing.

BIOL 335 Units: 1.5 Hours: 3-3
Formerly: 431A**Ichthyology**

The evolution and diversity of fishes. Emphasis on form and function, ecology, behaviour, sensory modes, fishery management, global crises in fisheries, and marine protected areas. Laboratories include identification of major groups of fishes, methodology and experimental approaches to the study of fishes.

Note: Credit will be granted for only one of 335, 431A, MRNE 412.

Prerequisites: 215 and third-year standing; 307 recommended.

BIOL 345 Units: 1.5 Hours: 3-3
Animal Behaviour

Evolutionary and comparative analyses of behaviour. Topics include taxonomic diversity of nervous systems, proximate and ultimate mechanisms, nature/nurture controversies, communication and sensory modes, foraging behaviours, mate choice, sociality, and warfare. Laboratory includes observational and experimental approaches to behaviour of representative invertebrate and vertebrate taxa.

Note: Students with credit in MRNE 446 may take this course for credit.

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Prerequisites: 190A or 210; 190B or 220; 215 or declared program in ANTH or combined BIOL/PSYC; third-year standing.

BIOL 355 Units: 1.5 Hours: 3-0
Formerly: 455
Evolution

Evolutionary processes and the spatial and temporal patterns they produce. Natural selection and other microevolutionary processes; the basis of morphological and molecular change; species and speciation; macroevolution; phylogeny reconstruction; the origin of life.

Note: Credit will be granted for only one of 355, 455.

Prerequisites: 230 and one of 307, 321, 322, 323, 324 or 329.

BIOL 360 Units: 1.5 Hours: 3-0
Cell Biology

Structure and function of animal and plant cells and tissues, membrane structure, transport, cellular compartments, cytoskeleton, cell growth and division, cell adhesion, extracellular matrix, tissue organization and renewal.

Prerequisites: 230; BIOC 200 or 299 or pre or corequisite 300A or 300B.

BIOL 361 Units: 1.5 Hours: 3-0
Molecular Genetics

Regulation of the human genome, including organization of the genome, how transcription is regulated at the molecular level, how differential transcription gives rise to specialized cell types, and how deregulation of gene expression can lead to disease.

Prerequisites: 230; one of BIOC 200, 299, 300A, 300B (300A, 300B may be taken as corequisites).

BIOL 362 Units: 1.5 Hours: 1-3
Techniques in Molecular Biology

An introduction to basic techniques in molecular biology. Nucleic acid (DNA and RNA) extractions; RT-PCR; molecular cloning; gel electrophoresis; radio-labeling and non-isotopic labeling of DNA probes; Northern Blots, Southern Blots and Western Blots; computer based analyses of nucleotide sequence data. Students will undertake laboratory safety assignments on WHMIS, BioSafety and Radiation Safety.

Prerequisites: 230.

Pre- or corequisites: BIOC 200 or 299 or 300A or 300B; 360 or 361 recommended.

BIOL 365 Units: 1.5 Hours: 3-3
Animal Physiology

Fundamentals of animal physiological systems: principles of cellular and organismic homeostasis, nutrition, digestion, salt/water balance, respiration, circulation, muscle contraction, excitable membranes, sensory systems, brain functions, hormones, reproduction. Laboratory includes study of live animals.

Note: Credit will be granted for only one of 365, 305A, 305B.

Prerequisites: 190B or 220; 225; BIOC 200 or 299 or 300A or 300B; third-year standing.

BIOL 366 Units: 1.5 Hours: 3-3
Plant Physiology

Principles of plant physiology: photosynthesis, water relations, ion uptake, translocation, carbohydrates, nitrogen and lipid metabolism, phenolics, phytohormones, tropisms, phytochromes.

Note: Credit will be granted for only one of 366, 331A, 331B.

Prerequisites: 225.

Pre- or corequisites: BIOC 200 or 299 or 300A or 300B; third-year standing; 324 recommended.

BIOL 367 Units: 1.5 Hours: 3-0
Formerly: 409A

Neurobiology: Molecules to Behaviour

Cellular and molecular biology of excitable cells and mechanisms of intercellular communication. Evolution and functional organization of central nervous systems. Motor systems and mechanisms of coordination. Sensory biology. Interactions of genes, development, and experience in molding nervous systems and behaviour.

Note: Credit will be granted for only one of 367, 409A.

Prerequisites: 360 or 365.

Corequisites: Students with credit in PSYC 345A or 323 may take BIOL 360 or 365 as a corequisite.

BIOL 370 Units: 1.5 Hours: 3-0
Also: ES 320
Conservation Biology

Diversity of organisms, functioning of ecosystems, and the impact of human activities on these. Topics include the nature of biological diversity; extinction and its cause; habitat alteration and fragmentation; effects of exotic species; economic and ethical considerations; practical applications and analytical tools; and legal frameworks for conserving species and habitats.

Note: Credit will be granted for only one of 370, ER 313, ES 318, ES 320, ES 348.

Prerequisites: 190A or 210; 215, 230, and STAT 255 or 260.

BIOL 400 Units: 1.5 Hours: 3-0
History of Biology

The historical development of the major techniques and ideas of biology, including the significance of the important historical contributors to biology.

Note: Only one of 400 and 489 may be counted as an upper-level credit toward degree programs in Biology.

Prerequisites: Third-year standing.

BIOL 401A Units: 1.5 Hours: 3-0
Biotechnology

The tools of molecular biology and biotechnology (including the enzymes, cloning vectors and cloning strategies used in recombinant DNA technology, as well as the origins of these tools), and the application of genetic engineering to medicine, agriculture, forestry, forensic science and related areas. Lectures will also include bioethics and the impact of biotechnology on society.

Pre- or corequisites: 360 or 361 or BIOC 300 or 300B.

BIOL 404 Units: 1.5 Hours: 3-0
Sensory Biology

Cellular and molecular mechanisms underlying sensory systems: sensory receptor coding logic, signal transduction, neuronal circuitry, developmental biology, comparative analysis of model organisms, related clinical disorders and therapeutic strategies. Focus placed on recent advances in the primary literature and on promoting skills for developing hypotheses and designing experiments.

Prerequisites: 360 or 367 or 409A.

BIOL 409B Units: 1.5 Hours: 2-4
Experimental Neurobiology

Laboratory investigations of the neural basis of behaviour. Selected sensory and motor systems studied at the cellular, neuronal circuit, and whole animal levels. Techniques include extracellular and intracellular recording and stimulation; anatomical tracing of neuronal pathways; computerized acquisition and analyses of electrophysiological data.

Note: Enrolment limited to 10. Offered in spring of even-numbered years.

Prerequisites: 365 or permission of the department.

BIOL 410 Units: 1.5 Hours: 3-3
Herpetology

The biology of amphibians and reptiles, particularly evolutionary relationships, systematics, ecology, and physiology. Presentations required. Laboratory involves mainly taxonomic identifications. Field trips when possible.

Prerequisites: 307 or 207.

Pre- or corequisites: 355 or 455, and 330 or ES 310 or 344.

BIOL 415B Units: 1.5 Hours: 1-3
Experimental Mycology

The molecular genetics of fungi. Assessment of genomic variation in fungal populations; cloning and expression of fungal gene products. Students conduct group research projects and present a report.

Prerequisites: 360 or 200; 323 or 203; 361 or 300; and permission of the department.

BIOL 418 Units: 1.5 Hours: 3-3
Plant Ecology

An introduction to the factors controlling the abundance and distribution of terrestrial plants. Topics examined will include: the effect of environmental factors on plants; population dynamics; competition; plant-animal interactions; community composition, structure, and function; how communities change along environmental gradients; succession; diversity; major types of plant communities. Costs of field trips will be borne by the students.

Prerequisites: 330 or ES 310 or 344 or permission of the department; 324 or 449 recommended.

BIOL 427 Units: 1.5 Hours: 3-3
Population Ecology

Theories of population growth and regulation, life history strategies, and population interactions. Considerable outside reading and presentation of a class seminar required. Laboratory experiments to demonstrate basic principles of population ecology and relevant quantitative techniques. Quantitative aspects of population ecology are stressed.

Prerequisites: 330 or ES 310 or 344.

BIOL 432 Units: 1.5 Hours: 3-0
Molecular Endocrinology

Basic and molecular aspects of endocrinology. Brain hormones and their precursors, insulin and its receptor, gene-associated peptides, new glycoprotein hormones, growth factors, steroids, the superfamily of steroid and thyroid receptors, pheromones, oncogenes, and immunoendocrinology. Lectures and presentations of scientific papers.

Prerequisites: One of 360, 365, 305A, BIOC 300, 300A, 300B.

BIOL 435 Units: 1.5 Hours: 3-0
Molecular Evolution

Genes in populations, genetic variation, rates and patterns of genetic change, phylogenetic principles, molecular clocks, polymorphisms in populations, gene duplications, deletions, and concerted evolution, genome organization and evolution, and mutation and selection in molecular evolution. Methods of accumulating and analyzing data.

Prerequisites: 215, 225, 230.

Pre- or corequisites: One of 330, 355, 455, BIOC 300, 300A, 300B, ES 310, 344.

BIOL 436 Units: 1.5 Hours: 3-0
Human Molecular Genetics

Survey of the organization, structure/function, and mapping of the human genome; the biochemical and molecular basis, screening, prevention, and treatment of various human diseases, including cancer.

Prerequisites: 225, 230; 361 or BIOC 300 or 300A or 300B, or permission of the department.

BIOL 437 Units: 1.5 Hours: 3-0
DNA Repair, Mutation and Human Health

A survey of mechanisms of DNA repair and mutagenesis across a range of organisms, and an examination of how defects in DNA repair impact human health. Topics include germ cell mutation, somatic mutation leading to aging, changes in neurological and immunological capacity, individual predisposition to cancer, and the role of the environment.

Prerequisites: 215, 225, 230, 360.

BIOL 438 Units: 1.5 Hours: 3-0
Ecology of Prokaryotes

An introduction to the ecology of prokaryotes (bacteria and archaea). Diversity and evolution of populations and communities of prokaryotes and their role in the major biogeochemical cycles: carbon, nitrogen, sulfur. Genetic, biochemical, physiological and ecological aspects of processes such as nitrogen fixation and methanogenesis; design of experimental approaches to assess cycling of elements in forests, lakes and oceans by prokaryotes.

Prerequisites: 330 or ES 310 or 344 or MICR 200, or 200A and 200B, or permission of the department.

BIOL 439 Units: 1.5
Molecular Epidemiology

Basic principles and applications of molecular epidemiology in epidemiological research. An overview of terminology and definitions, the use of statistics, and ethical consideration.

Prerequisites: 215, 225, 230, STAT 255 or 260.

BIOL 441 Units: 1.5 Hours: 3-0
Advanced Vertebrate Physiology

The integrated function and regulation of function of tissues, organs and organ systems. The integration of cellular and molecular events in the intact organism. Didactic and problem-based learning approaches will be used.

Note: Credit will be granted for only one of 441, 490E (if taken in the same topic).

Prerequisites: 365.

BIOL 446 Units: 1.5 Hours: 3-0
Advanced Aquatic Ecology

Introduction to fundamental models in aquatic ecology and their application to freshwater ecosystems. Emphasis on integrated approaches to water quality, nutrient-food web dynamics, aquatic biodiversity, fisheries productivity, and contaminant transport. Critical review of recent journal articles. Written and oral presentations required.

Prerequisites: Fourth-year standing and one of: 311, 311B, 330, EOS 311, ES 310, 344, GEOG 371.

BIOL 447 Units: 1.5 Hours: 3-0
Ion Channels and Disease

Structure and function of major voltage- and ligand-gated ion channels in neurons. Channel-related diseases and how alterations in ion channel function can contribute to nervous system disorders such as nicotine addiction and epilepsy. Mechanisms of ligand binding, gating and ion selectivity. Bioinformatic tools to analyze ion channel sequence, functional domains and structure, and electrophysiological, fluorescence and crystallography techniques to study channel structure and function. Critical discussions of the primary literature will be emphasized.

Prerequisites: 365.

Pre- or corequisites: 367.

BIOL 448 Units: 1.5 Hours: 3-0-2
Neuroethology

Examination of the neural basis of behaviour. Insights into the neuronal organization of behaviour through examination of neural solutions that have evolved in animals to solve problems encountered in their particular environments. Examples in individual species will be used to illustrate how neuronal systems integrate information to shape behaviour in a real-world context. Research papers and seminar presentations based on the primary literature will be emphasized.

Prerequisites: One of 345, 365, 305A or 305B.

BIOL 449 Units: 1.5 Hours: 3-3
Formerly: 318
Flowering Plant Diversity

A survey of angiosperms, including: plant diversity and adaptations; species concepts; modern classification and nomenclature; identification and keys; and experimental approaches in plant systematics and evolution. A collection of 20 properly identified plants is required, preferably made during the previous summer. Contact instructor for details and collecting equipment.

Note: Credit will be granted for only one of 449, 318.

Prerequisites: 190A, 190B, third- or fourth-year standing; 324 recommended.

BIOL 453 Units: 1.5 Hours: 3-0
Stress Physiology of Plants

An advanced study of the physiological responses of plants to temperature extremes, drought, salinity, radiation stress, and air pollution.

Pre- or corequisites: 366.

BIOL 458 Units: 1.5 Hours: 3-0
Plant Biochemistry and Biochemical Ecology

An introduction to plant biochemistry, plant metabolism, and the biochemical basis of plant adaptation, with emphasis on plant-specific biochemical pathways and processes, and their regulation and molecular biology. Storage carbohydrates, cell wall biosynthesis, lipid metabolism, nitrogen fixation and assimilation, and photosynthesis; biochemical ecology of secondary plant metabolites including isoprenoids, phenolics and alkaloids.

Note: Not open to students with credit in 490A in this topic.

Prerequisites: BIOC 200 or 299 or 300 or 300A, or 300B. BIOC 300A or 300B is the recommended prerequisite.

BIOL 460 Units: 1.0
Honours Seminar

Participation in seminars as arranged by the department and the Honours Coordinator. Required of all Honours students in their fourth-year of studies, as an addition to the normal 15 units.

Grading: COM, N, F.

BIOL 465 Units: 1.5 Hours: 3-0
The Molecular Basis of Cancer

Clinical terminology, concepts of cancer epidemiology, DNA mutation and repair, molecular basis of cell cycle regulation, cell proliferation and apoptosis. Special emphasis on chemotherapy, gene therapy, diet and cancer, and the immunology of cancer.

Prerequisites: 225, 230, 360.

BIOL 489 Units: 1.5 Hours: 3-0
Conceptual Foundations of Biosciences

An examination of the technology and theory that comprise the conceptual foundations of modern biology. Explores "how we know what we know" through critical analysis of selected original publications and review of theoretical foundations. Examines how this knowledge is used in decision making, how gender, political, philosophical and religious views impact in-

terpretation, and how advances in technology and conceptual foundations may influence future biological research.

Note: Only one of 400, 489 may be counted as an upper-level credit toward degree programs in Biology.

Prerequisites: Fourth-year standing.

BIOL 490A Units: 1.5
Directed Studies and Research in Botany

Departmental permission may be given for supervised research projects, individual study, or directed readings.

Note: 490A-G may be taken more than once, normally to a maximum of 3 units.

Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.

Grading: INP; letter grade.

BIOL 490B Units: 1.5
Directed Studies and Research in Ecology

Departmental permission may be given for supervised research projects, individual study, or directed readings.

Note: 490A-G may be taken more than once, normally to a maximum of 3 units.

Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.

Grading: INP; letter grade.

BIOL 490D Units: 1.5
Directed Studies and Research in Marine Biology

Departmental permission may be given for supervised research projects, individual study, or directed readings.

Note: 490A-G may be taken more than once, normally to a maximum of 3 units.

Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.

Grading: INP; letter grade.

BIOL 490E Units: 1.5
Directed Studies and Research in Zoology

Departmental permission may be given for supervised research projects, individual study, or directed readings.

Note: 490A-G may be taken more than once, normally to a maximum of 3 units.

Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.

Grading: INP; letter grade.

BIOL 490F Units: 1.5
Directed Studies and Research in Cell and Molecular Biology

Departmental permission may be given for supervised research projects, individual study, or directed readings.

Note: 490A-G may be taken more than once, normally to a maximum of 3 units.

Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.

Grading: INP; letter grade.

BIOL 490G Units: 1.5
Directed Studies and Research in Evolution

Departmental permission may be given for supervised research projects, individual study, or directed readings.

Note: 490A-G may be taken more than once, normally to a maximum of 3 units.

Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.

Grading: INP; letter grade.

BIOL 492 Units: 3.0
Malaysia Tropical Field Ecology
 A six week field course introducing students to the biodiversity of Malaysia. Studies of diverse tropical habitats and biological communities including rain forests, mangrove swamps, coral reefs, wetlands and agroecosystems. Normally held from early May to late June.
Prerequisites: 215, permission of the department.

BIOL 499A Units: 1.5
 Formerly: **part of 499 Honours Thesis I**
 The first stage of a research project conducted under the direction of a faculty member. Open to Honours students only.
Notes: - Credit will be granted for only one of 499A and 499B, 499.
 - 499A and 499B are "tied" courses and must be taken in consecutive terms except with permission of the department.
 - Credit for 499A will be assigned only upon successful completion of 499B.
Prerequisites: Permission of the department.
Grading: INP, letter grade (assigned upon completion of 499B; if 499B is not completed, a grade of N will be assigned to 499A).

BIOL 499B Units: 1.5
 Formerly: **part of 499 Honours Thesis II**
 Continuation of a research project conducted under the direction of a faculty member. Open to Honours students only.
Notes: - Credit will be granted for only one of 499A and 499B, 499.
 - 499A and 499B are "tied" courses and must be taken in consecutive terms except with permission of the department.
 - Credit for 499A will be assigned only upon successful completion of both courses.
Prerequisites: 499A.

CENG

Computer Engineering Department of Electrical and Computer Engineering Faculty of Engineering

Courses offered by the Faculty of Engineering are also found under the following course codes: CSC (Computer Science), ELEC (Electrical Engineering), ENGR (Engineering), MECH (Mechanical Engineering) and SENG (Software Engineering).

CENG 241 Units: 1.5 Hours: 3-3
 Formerly: **290 Digital Design I**
 Boolean algebra, canonical expressions, logic gates and their physical realization. Fan-in and fan-out, timing, rise and fall times, delay. Combinational circuits minimization (Karnaugh map, Quine-McCluskey, Tools-Expresso, others). Standard circuits - adders, multiplexers, demultiplexers, etc. Memory elements, flip-flops. State transition diagrams, Mealy-Moore finite state machines. State assignment and machine realization, counters. Introduction to Verilog and its use to design combinational and sequential circuits. Advanced topics to include design with PLDs, PLAs, FPGAs.
Note: Credit will be granted for only one of 241, 290.
Prerequisites: Second-year standing in Engineering.

CENG 245 Units: 1.5 Hours: 3-0
 Formerly: **345 Discrete Structures**
 Problem-solving and proof techniques; induction and recursion concepts. Sets, counting, functions, relations, lattices; application of set structures; Boolean algebra, switching circuits, propositional logic. Groups, semi-groups, rings, fields; application of group structures; binary arithmetic, error-correcting codes, and cryptography. Directed and undirected graphs, paths, cycles, cuts, trees, graph traversal. Application of graph structures; finite automata, electrical networks, signal flow, network.
Prerequisites: MATH 101 and 110 or 133 or 211 or 233A.

CENG 255 Units: 1.5 Hours: 3-3
Introduction to Computer Architecture
 The architecture of computer systems including concepts such as processor, memory, buses, input/output, instruction sets, interrupt processing, pipelining, performance. Families of processors, CISC, RISC. Memory organization and management including cache, virtual memory, protection. Computer arithmetic. Assembly language programming, assemblers, linkers, and loaders. Hardware/software interaction.
Note: Credit will be granted for only one of 255, CSC 230.
Prerequisites: CSC 111.
Corequisites: CSC 115.

CENG 355 Units: 1.5 Hours: 3-1.5
Microprocessor-Based Systems
 Processor organization: general-purpose and application-specific processors, datapath and control implementation, pipelining concepts. Memory organization: static and dynamic semiconductor memory, optical and magnetic memory, memory hierarchy and caches. I/O organization: physical and logic interfaces, interrupts and interrupt services routines, direct memory access (DMA), device drivers. Buses and protocols: bus signalling and arbitration, examples of modern buses, communications protocol concepts. Computer networking: network topologies, protocol stack, examples of modern networks.
Prerequisites: 255, or CSC 230, or MECH 405.

CENG 412 Units: 1.5 Hours: 3-0
Human Factors in Engineering
 Accidents associated with "human error" often reflect the failure to recognize human factors in the design stage. Reviews sensory, motor, and cognitive performance characteristics and derives human engineering design criteria. Principles of displays, controls and ergonomics are discussed.
Note: Credit will be granted for only one of 412, SENG 412.
Prerequisites: STAT 254 or 260, and fourth-year standing.

CENG 420 Units: 1.5 Hours: 3-0
 Formerly: **490 Artificial Intelligence**
 Philosophy of artificial intelligence. AI programs and languages, representations and descriptions, exploiting constraints. Rule-based and heuristic systems. Applications to engineering.
Note: Credit will be granted for only one of 420, 490. Credit will not be granted for both 420 and CSC 421 without permission of the Chair or Director responsible for the student's degree program.
Prerequisites: Fourth-year standing in the Faculty.

CENG 421 Units: 1.5 Hours: 3-1.5
Computer Vision
 Overview of the main concepts and methods in computer vision; geometry and physics of imaging, as related to image formation and image acquisition; low-

level methods of image analysis, such as filtering, edge detection, feature detection, and segmentation; methods for extracting and representing three-dimensional scene information; visual pattern recognition; motion analysis and algorithms for video understanding.

Prerequisites: ELEC 310 and fourth-year standing.

CENG 441 Units: 1.5 Hours: 3-1.5
Design of Digital and VLSI Systems
 Advanced combinational and sequential logic design. Optimization of finite state machines; timing methodologies and synchronization issues. Hardware description languages (HDL): structural and behavioural descriptions, simulation and testbenches, coding styles, design with HDL and FPGA implementation. Design for test: testing concepts, scan-based design and built-in self-test (BIST). Design for high speed: timing analysis, pipelining and retiming. Design for low power: sources of power dissipation, design transformations.
Note: Credit will be granted for only one of 441, 440, or 441, 465.
Prerequisites: 241 or 290, and fourth-year standing.

CENG 450 Units: 1.5 Hours: 3-3
Computer Systems and Architecture
 Architecture and performance of modern processors, performance metrics; instruction set architectures and their impact on performance; instruction and arithmetic pipelines; pipeline hazards; exception handling; caches. Integral to the course is a Project Laboratory. Working in teams, students are expected to design and implement a processor based on a given specification of a simple instruction set. Student's progress is determined through a preliminary design review, a presentation, demonstration of the implementation and a final report.
Prerequisites: 355 or CSC 355, and fourth-year standing.

CENG 453 Units: 1.5 Hours: 3-0
Parallel and Cluster Computing
 Overview of massively parallel and cluster computers. Processing models (shared memory versus message passing). Processes and threads. Standard algorithms utilizing parallelism. Matrix and vector operations, N-body problems, collective communications. Parallel application environments MPI and OpenMP. Includes significant exposure to parallel applications including developing and coding parallel codes.
Prerequisites: Fourth-year standing in the Faculty or permission of the department.

CENG 455 Units: 1.5 Hours: 3-3
Real Time Computer Systems Design Project
 Techniques that can be used to guarantee the completion of a computation ahead of its deadline. Scheduling techniques for periodic and non-periodic tasks. Organization and functionality of real time kernels. Students must complete a design project that involves substantial real time software design and implementation. This design experience is based on the knowledge and skills acquired in earlier course work. Students work in teams. Progress is determined through a preliminary design review, presentation, demonstration of the design, and final report.
Prerequisites: 355 or CSC 355, and fourth-year standing.

CENG 460 Units: 1.5 Hours: 3-1.5
Computer Communication Networks
 Introduction to computer networking principles and engineering including remote access, wide-area networking, local area networks, network topology, communication hardware and software protocols, open-system-interconnection model, routing and flow

control, performance, reliability, security, example networks.

Note: Credit will be granted for only one of 460, CSC 450.

Prerequisites: 255 or CSC 230 or MECH 405.

CENG 461 Units: 1.5 Hours: 3-0 Design and Analysis of Computer Networks

Markov chains and techniques for studying their transient and steady-state behaviour. Queuing theory and discrete time queues. Queuing models for media access, error control and traffic management protocols. Quality of service. Modelling of traffic and inter-arrival time. Self similar distributions and traffic. Analysis and design of switching fabrics. Switch design alternatives and performance modelling. Simulation of networks.

Prerequisites: STAT 254 or 260, and fourth-year standing.

CENG 496 Units: 1.5 Selected Topics in Computer Engineering

Note: May be taken more than once for credit in different topics to a maximum of 3 units with permission of the department.

Prerequisites: The student must be registered in term 4A or 4B.

CENG 499 Units: 1.5 Hours: 1-9 Formerly: 499A and 499B Design Project

A significant technical design project in Computer Engineering completed under the supervision of a faculty member. This design experience is based on the knowledge and skills acquired in earlier course work. Projects may originate from faculty members, students, or external sources. They may have a diverse nature and serve diverse needs. Multi-disciplinary projects are encouraged.

Note: Credit will be granted for only one of 499, 499A, 499B.

Prerequisites: Fourth-year standing in the Computer Engineering Program or permission of the department.

CHEM

Chemistry

Department of Chemistry
Faculty of Science

CHEM 091 Units: 0 Hours: 0-1-0 Introduction to Chemistry I

Special tutorial course for students who do not have Chemistry 12, which is designed to provide background for students who intend to enrol, either simultaneously or subsequently, in a university-level introductory general chemistry course.

This course will be delivered via the Internet. There are no set class times; a unit should be completed roughly every two weeks during the term. Achievement of the learning objectives will be assessed by timed on-line quizzes taken upon completion of the activities of each unit.

It is strongly recommended that students take this course prior to registering in 101, or take a reduced course load if taking 091 and 101 simultaneously.

Students without Chemistry 12 require this course (and CHEM 101 or CHEM 150) for entry to CHEM 102.

Note: 0.5 fee unit.

Prerequisites: Mathematics 12 and Chemistry 11 or their equivalents.

Grading: COM, N, F.

CHEM 101 Units: 1.5 Hours: 3-3 Fundamentals of Chemistry I

Introduction to the modern theory of atomic structure and its relation to chemical bonding. Introduction to organic chemistry and modern materials, including polymer chemistry. Laboratory emphasizes skills typically needed in a scientific environment including observing, recording and discussing experimental data. Basic chemical techniques are introduced using a variety of different types of experiments.

Note: Credit will be granted for only one of 101, 100, 124, 140, 150. Students without Chemistry 12 must also enrol in 091 if they wish to take CHEM 102.

Prerequisites: Mathematics 12 and Chemistry 11 or 12 or their equivalents.

CHEM 102 Units: 1.5 Hours: 3-3 Fundamentals of Chemistry II

Basic physical chemistry of the environment including thermodynamics, states of matter, chemical equilibrium, kinetics, the atmosphere, and water chemistry. Laboratory builds on the experience of CHEM 101, with practice in developing routine skills. Continued emphasis is given to reporting data accurately.

Prerequisites: Chemistry 12 or CHEM 091, 101 or 150.

CHEM 150 Units: 1.5 Hours: 3-3 Engineering Chemistry

Thermochemistry; atomic and molecular structure; chemical bonding; gases, liquids, and solids; solutions and phase equilibria; equilibrium; chemical thermodynamics; electrochemistry.

Note: Credit will be granted for only one of 150, 100, 101.

Prerequisites: Admission to BENG or BSENG program, Mathematics 12 and Chemistry 11 or their equivalents; Chemistry 12 is recommended.

CHEM 212 Units: 1.5 Hours: 3-4 Formerly: 312 Introductory Quantitative Analysis

Introduction to the basis of quantitative analytical chemistry, treatment of data and chemical equilibrium. Sampling technique, data analysis. Analytical applications of chemical separations, potentiometry, ultraviolet/visible spectroscopy, titrimetry.

Note: Credit will be granted for only one of 212, 312.

Prerequisites: 102.

CHEM 213 Units: 1.5 Hours: 3-4 Practical Spectroscopy

Elementary theory and applications of infrared, UV-visible, mass, and nuclear magnetic resonance spectroscopy to inorganic and organic compounds.

Prerequisites: 102.

Pre- or corequisites: 231.

CHEM 222 Units: 1.5 Hours: 3-4 Introduction to Inorganic Chemistry

Fundamental concepts of inorganic chemistry, with emphasis on periodicity, structure, bonding and reactivity; principles will be illustrated using the chemistry of selected groups of elements.

Prerequisites: 102.

CHEM 231 Units: 1.5 Hours: 3-0 Introductory Organic Chemistry

Functional group survey; alkanes, cycloalkanes, conformational analysis; stereochemistry; nucleophilic substitution, elimination; alkenes, alkynes, dienes; alcohols and ethers.

Note: A prerequisite for all other courses in organic chemistry.

Prerequisites: 101 or 150.

CHEM 232 Units: 1.5 Hours: 3-4 Organic Chemistry for Health and Biological Sciences

Introduction to spectroscopy; aldehydes, ketones; carboxylic acids and derivatives; natural products: carbohydrates, amino acids, proteins, terpenoids, steroids, aldol condensation parallels in biological systems, fatty acid biosynthesis.

Notes: - Credit will be granted for only one of 232, 235.

- Intended for students in Biology and those preparing to enter professional schools such as Medicine, Pharmacy, Dentistry, Forestry or Nursing.

Prerequisites: 102, 231.

CHEM 235 Units: 1.5 Hours: 3-4 Organic Chemistry

Free radicals; aromatic compounds; aldehydes and ketones, carboxylic acids and derivatives; beta-dicarbonyl compounds; carbohydrates.

Notes: - Credit will be granted for only one of 235, 232.

- A continuation of 231 intended for Honours and Major Chemistry students and is part of a sequence incorporating 335 and 363 which should be taken by any student contemplating further courses in organic chemistry.

- It is strongly recommended that 213 be completed prior to registration in 235, as practical spectroscopy skills are a definite asset for the successful completion of the 235 laboratory component.

Prerequisites: 102, 231.

CHEM 245 Units: 1.5 Hours: 3-4 Introductory Physical Chemistry

Introduction to the principles of thermodynamics and kinetics. Applications to gas and solution reactions and phase transitions. The laboratory portion of the course emphasizes physical measurement applied to chemical systems.

Prerequisites: 102 and either MATH 100 or 102.

CHEM 298 Units: 0 Hours: 0-6 Research Experience

Experimental research under the direction of department members. For second-year students who wish to gain some experience in chemical research.

Prerequisites: Permission of the department.

Grading: COM, N, F.

CHEM 300A Units: 1.5 Hours: 3-0 Formerly: half of 300 Chemistry in Modern Society

Intended for nonscientists and will consist of lectures, demonstrations, class experiments and discussions. Designed to show the relevance of chemistry to modern life by examination of such topics as drugs and poisons (e.g., hallucinogens, narcotics), agricultural chemicals (e.g., pesticides, fertilizers), and food chemicals (e.g., vitamins, additives). Students will be encouraged to keep abreast of controversial chemical issues. Discussions will place emphasis on the correct application of the scientific facts as opposed to misleading applications or speculations.

Note: Credit will be granted for only one of 300A and any other Chemistry course numbered 300 and above.

CHEM 302 Units: 1.5 Hours: 3-0 Industrial Chemistry with Special Reference to Air Pollution

Chemical principles used in the manufacture of commodity chemicals, fertilizers, explosives, and in the mining and smelting industries. Problems and methods of emission control, by-product utilization and waste disposal, with particular reference to gaseous discharges. Elements of gaseous dispersal procedures and limitations, air pollution chemistry.

252 COURSE LISTINGS

Notes: - Credit will be granted for only one of 302, 306, 478. Primarily designed for students who are not majoring in Chemistry.

- Requires familiarity with stoichiometry calculations, including the concepts of limiting reactant, yield, and concentration; and with calculations involving the ideal gas law and heats of reaction; and with the concepts of energy and power.

Prerequisites: 102.

CHEM 303 Units: 1.5 Hours: 3-0
Industrial Chemistry with Special Reference to Water Pollution

Chemical principles used in the petroleum production and refining, petrochemical, pulp and paper, and fermentation industries. Emission problems and their control, by-product utilization and waste disposal into soil, water and air. Assimilatory capacities, eutrophication, and natural and manmade control and recovery procedures for water pollutants.

Notes: - Credit will be granted for only one of 303, 306, 478. Primarily designed for students who are not majoring in Chemistry.

- Requires familiarity with stoichiometry calculations, including the concepts of limiting reactant, yield, and concentration; and with calculations involving the ideal gas law and heats of reaction; and with the concepts of energy and power.

Prerequisites: 231.

CHEM 318 Units: 1.5 Hours: 3-0
Instrumental Techniques of Analysis

Theory and applications of the most generally applied methods of chemical analysis such as infrared, raman and emission spectroscopy, polarography, high performance liquid chromatography, radiochemical analysis etc.

Prerequisites: 212 or 312; 213.

CHEM 324 Units: 1.5 Hours: 3-0
Introduction to Transition Metal Chemistry

Introduction to transition metal and coordination chemistry. Electronic structure of transition metal complexes (crystal and ligand field theory). Chemistry of the first row transition elements from titanium to zinc.

Prerequisites: 213, 222.

CHEM 335 Units: 1.5 Hours: 3-0
Synthetic Methods in Organic Chemistry

Design of syntheses in aliphatic, aromatic and some biomolecules. Aliphatic systems; carbanions, conjugated carbonyl compounds, amines in syntheses, functional group modifications. Aromatic systems; aromatic substitution processes, reactive substrates (phenols, amines), polynuclear aromatics. Biomolecules: synthesis and modification of heterocycles and carbohydrates.

Prerequisites: 235 or 232.

CHEM 337 Units: 1.5 Hours: 3-3
Bio-organic Chemistry

Survey of electronic and medium effects on reactivity. Catalysis of organic reactions. Bio-organic reaction mechanisms and biomimetic model systems.

Prerequisites: 235 or 232.

Pre- or corequisites: 213.

CHEM 347 Units: 1.5 Hours: 3-0
Formerly: 446
Quantum Chemistry

Introduction to quantum chemistry, molecular orbitals and bonding. The Schrödinger equation and its solutions for some simple systems. Wavefunctions, one-electron and multi-electron atoms, rotation and vibration of molecules. Molecular orbitals and bonding in diatomic and polyatomic molecules.

Note: Credit will be granted for only one of 347, 446.

Prerequisites: 213 or 245, MATH 101.

CHEM 352 Units: 1.5 Hours: 3-0
Reaction Mechanisms and Dynamics

Predicting the kinetic behaviour of different types of mechanisms. Deduction of mechanisms and interpretation of activation parameters from experimental data. Predicting and controlling rate by varying solvents, substituents, catalysts, etc. Use of a wide range of examples from inorganic and organic chemistry to illustrate these ideas.

Prerequisites: 222, 245, and 232 or 235.

CHEM 353 Units: 1.5 Hours: 3-0
Structure, Reactivity and Bonding

Symmetry elements and operations in molecules. Applications of group theory in chemistry. Descriptions of chemical bonding and reactivity in inorganic and organic molecules using qualitative molecular orbital theory. Huckel MO theory of cyclical conjugated molecules. Structure and bonding in coordination and organometallic compounds.

Prerequisites: 222, and 232 or 235.

CHEM 361 Units: 0.75 Hours: 0-3
Formerly: part of 312 and 318 (prior to 2001W session)
Analytical Chemistry Laboratory

This laboratory course will build on expertise acquired in CHEM 212, with greater emphasis on instrumental analysis and more advanced techniques.

Notes: - A total of 1.5 units of credit will be granted for only one of 361, 312, 318 (if taken prior to Winter 2001).

- Offered in fall and spring terms.

- To count toward any Chemistry program, this course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

Prerequisites: 212.

CHEM 362 Units: 0.75 Hours: 0-3
Formerly: part of 323 and 324 (prior to 2001W session)
Inorganic Chemistry Laboratory

This laboratory course will emphasize synthetic techniques and manipulations in organometallic and coordination chemistry; spectroscopic characterization of sensitive compounds; principles of transition metal chemistry.

Notes: - A total of 1.5 units of credit will be granted for only one of 362, 323, 324 (if taken prior to Winter 2001).

- Offered in fall and spring terms.

- To count toward any Chemistry program, this course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

Prerequisites: 213, 222.

CHEM 363 Units: 0.75 Hours: 0-3
Formerly: part of 335 and 338 (prior to 2001W session)
Organic Chemistry Laboratory

This laboratory course will emphasize organic synthesis and the relationship between spectra and structure of synthesized materials; analysis of synthesized compounds will be shown to relate structure with reactivity and stereoselectivity.

Notes: - A total of 1.5 units of credit will be granted for only one of 363, 335, 338 (if taken prior to Winter 2001).

- Offered in fall and spring terms.

- To count toward any Chemistry program, this course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

Prerequisites: 213, and 232 or 235.

CHEM 364 Units: 0.75 Hours: 0-3
Formerly: part of 346 and 347 (prior to 2001W session)
Physical Chemistry Laboratory

This laboratory course builds on expertise acquired in CHEM 245 and presents a variety of physical chemistry experiments at an intermediate level.

Notes: - A total of 1.5 units of credit will be granted for only one of 364, 346, 347 (if taken prior to Winter 2001).

- Offered in fall and spring terms.

- To count toward any Chemistry program, this course must be taken twice, over two terms in which the course content differs, for a total of 1.5 units.

Prerequisites: 245.

CHEM 398 Units: 0 Hours: 0-6
Research Experience

Experimental research under the direction of department members. For third-year students who wish to gain some experience in chemical research.

Prerequisites: Permission of the department.

Grading: COM, N, F.

CHEM 400A Units: 1.5 Hours: 3-0
Applications of Chemistry

For students who have completed at least two years of chemistry. Chemicals in agriculture (fertilizers, herbicides, insecticides, insect and plant hormones), foods (carbohydrates, fats, vitamins and additives), drugs (antacids, analgesics, steroids, anti-AIDS agents, hallucinogens), and other compounds useful in medicine. Discussions will centre around how and why the chemicals work, and advantages and disadvantages of their application.

Prerequisites: 232 or 235.

CHEM 411 Units: 1.5 Hours: 2-0-1
Advanced Instrumental Analysis

A discussion of electronic data acquisition and manipulation as used in modern chemical instrumentation. Included will be some of the following: mass spectrometry, x-ray spectroscopy, NMR, EPR, etc.

Prerequisites: 318.

CHEM 421 Units: 1.5 Hours: 3-0-0
Advanced Inorganic Chemistry

Advanced topics in inorganic chemistry from across the periodic table, building on principles established in 222, 353 and 324. Topics may include main group organometallics, novel structures and reactivity, catalysis, inorganic polymers, zeolites, fullerenes, metal-metal and metal-ligand multiple bonding, bioinorganic chemistry, metal clusters, or chemistry of the lanthanides and actinides.

Note: Credit will be granted for only one of 421, 424, 426.

Prerequisites: 324, 353.

CHEM 423 Units: 1.5 Hours: 2-0-1
Organometallic Chemistry

A detailed look at transition metal organometallic chemistry. Bonding theory, synthesis and reactivity of sigma-bonded alkyls and aryls, metal carbonyls and pi-bonded organic liquids such as alkenes, alkynes, allyls, and arenes. Applications of organometallic complexes in organic synthesis and industrial catalysis.

Prerequisites: 324.

CHEM 432 Units: 1.5 Hours: 3-0
Advanced Organic Synthesis

Building on the methodology learned in 335, this course focuses on the art and science of total synthesis, including modern asymmetric transformations, organometallic coupling strategies (e.g., Pd- and Ru-mediated reactions), and considerations of synthetic

efficiency. Students will learn to evaluate and propose syntheses of complex natural products.

Prerequisites: 335.

CHEM 434 Units: 1.5 Hours: 2-0-1
Structure-Property Relationships in Organic Chemistry

Influence of bonding and structure on chemical, physical and electronic properties of organic molecules, within a biological and materials chemistry context. Topics covered may include substituent effects, noncovalent interactions, solvation, packing motifs, bonding theory, redox processes, electronic effects in closed shell vs. organic open shell molecules, molecular orbital theory, semiempirical calculations, photochemistry, absorption and emission processes, and electron transfer theory.

Prerequisites: 352.

CHEM 437 Units: 1.5 Hours: 3-0
Biological and Medicinal Chemistry

An introduction to medicinally important biological systems and the small molecules that perturb them. Topics will include chemical aspects of proteomics, biological target identification, mechanisms of action for important drugs, lead identification and development, and enzyme inhibitor design.

Prerequisites: Any biochemistry or biology course numbered 200 or higher, or permission of the department.

Pre- or corequisites: 335.

CHEM 458 Units: 1.5 Hours: 2-0-1
Statistical Thermodynamics

Ensembles, partition functions, distinguishable and indistinguishable molecules; statistical mechanical expressions for thermodynamic functions; application to ideal monatomic, diatomic and polyatomic gases, monatomic crystals and chemical equilibrium; classical and quantum statistics.

Prerequisites: 213, 245.

CHEM 459 Units: 1.5 Hours: 2-0-1
Materials Science

Introduction to properties of materials from a chemical perspective, including the principles behind modern materials and their technological applications. Electronic structure of solids. Electrical conductivity, types of conducting materials: metals, semiconductors, polymeric conductors. Other topics may include magnetic, optical, mechanical, or interfacial properties.

Prerequisites: 353.

CHEM 473 Units: 1.5 Hours: 3-0
Organic Photochemistry/Reactive Intermediates

Introduction to organic photochemistry and photochemistry. Reactivity and mechanisms of organic functional groups on electronic excitation. Structure and reactivity of organic reactive intermediates such as radicals, biradicals, carbenes, nitrenes, carbocations, and carbanions. Fast kinetic methods for study of the above topics will be emphasized.

Prerequisites: 352.

CHEM 476 Units: 1.5 Hours: 3-0
Formerly: 336
Introductory Polymer Chemistry

Kinetics and mechanisms of polymer and copolymer synthesis, characterization of polymers and molecular weight distributions. Thermodynamics of polymer solutions, the crystalline and amorphous states, rubber elasticity, structure-property relationships. Special topics in polymer materials.

Note: Credit will be granted for only one of 476, 336.

Prerequisites: 245.

CHEM 477 Units: 1.5 Hours: 2-0-1
Computational Chemistry

Introduction to the theory and application of computer-based methods in chemistry. Approximate approaches to the solution of the Schrödinger equation, with an emphasis on areas of applicability and limitations. Simulations of macroscopic chemical and physical systems and processes using statistical mechanics: mean field theories, molecular dynamics and Monte Carlo methods.

Prerequisites: 347 or 446.

CHEM 478 Units: 1.5 Hours: 3-0
Formerly: 306

Introduction to the Chemical Process Industries
 A comparative discussion of a number of chemical industries and the details of their processes. Includes unit operations, unit processes and economics.

Note: Credit will be granted for only one of 478, 302, 303, 306. Primarily designed for students taking a Chemistry program.

Prerequisites: 222, 245, and 232 or 235.

CHEM 490 Units: 1.5
Directed Studies in Chemistry

In special cases the department of Chemistry may give permission for individual studies and directed readings to be taken as 490. Students should consult a potential supervisor before requesting permission of the Chair to register.

Note: May be repeated for credit in different topics.

CHEM 498 Units: 1.5 Hours: 0-6
Research

Experimental research under the direction of department members. For fourth-year Chemistry Major students who wish to gain some experience in chemical research.

Note: Credit will be granted for only one of 498, 499.

Prerequisites: Permission of the department.

Grading: Letter grade.

CHEM 499A Units: 1.5 Hours: 0-6
Formerly: part of 499
Honours Thesis I

The first stage of a research project conducted under the direction of a faculty member. Normally open to Honours students only.

Notes: - Credit will be granted for only one of 499A and 499B, 498, 499.

- 499A and 499B are "tied" courses and must be taken in consecutive terms except with permission of the department. Credit for 499A will be assigned only upon successful completion of 499B. Both 499A and 499B are offered in all three terms.

- Chemistry Majors may take the 499A and 499B as electives.

Prerequisites: Permission of the department.

Grading: INP; letter grade (assigned upon completion of 499B; if 499B is not completed a grade of N will be assigned to 499A).

CHEM 499B Units: 1.5 Hours: 0-6
Formerly: part of 499
Honours Thesis II

Continuation of a research project conducted under the direction of a faculty member. Normally open to Honours students only.

Notes: - Credit will be granted for only one of 499A and 499B, 498, 499.

- 499A and 499B are "tied" courses and must be taken in consecutive terms except with permission of the department. Credit for 499A will be assigned only upon successful completion of both courses. Both 499A and 499B are offered in all three terms.

- Chemistry Majors may take 499A and 499B as electives.

Prerequisites: 499A.

COM

Commerce

Faculty of Business

Courses offered by the Faculty of Business are also found under the following course codes: ENT (Entrepreneurship), SMGT (Services Management), IB (International Business), MBA (Master's of Business Administration).

COM 100 Units: 1.5 Hours: 3-0
Introduction to Business Decision Making

Overview course designed to introduce fundamentals of business in Canada. Topics covered will include business principles such as accounting, finance and marketing as well as a discussion of the political and social realities facing commercial ventures in Canada.

Note: Credit will be granted for only one of 100, 290, 390.

COM 204 Units: 0
Co-op Preparation

Preparation and training to undertake Commerce co-op work terms. Includes preparation of cover letters and resumés, skills assessment and analysis, networking and interview skill development and career planning.

Prerequisites: Second-year standing in the BCom program or permission of the Program Director.

Grading: INP, COM, N, F.

COM 205 Units: 0 Hours: 3-0-1
Professional Skills Development

Designed to ensure all Commerce students develop foundation, communication, personal and professional skills. The foundation skills include those necessary to complete the program of studies in the Faculty of Business. Other topics will include presentations, public speaking, teamwork, time management, networking, business etiquette and community involvement. Students also develop methods to help establish a career mission. This is a non-credit but mandatory course for all Bachelor of Commerce students.

Prerequisites: Third-year standing in the BCom program.

Grading: INP, COM, N, F.

COM 206A Units: 3.0 Hours: 3-0
Business English and Communications - Level I

Development and enhancement of skills in written business communication, oral business communication, and non-verbal communication. Students will learn how to develop efficient use of verbal and non-verbal skills in business situations; be able to use language to convey specific messages to intended audiences; develop and use techniques for information management.

Note: Open only to international students and incoming Faculty of Business exchange program students and international students in the Bachelor of Commerce program; enrolment is based on comprehension level as determined by the instructor.

COM 206B Units: 1.5 Hours: 3-0
Business English and Communications - Level II

Development and enhancement of skills in written business communication, oral business communication, and non-verbal communication. Students will learn how to develop efficient use of verbal and non-verbal skills in business situations; be able to use language to convey specific messages to intended

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audiences; develop and use techniques for information management. Perfection of grammar, written communication and increasing vocabulary.

Note: Open only to international students and incoming Faculty of Business exchange program students and international students in the Bachelor of Commerce program; enrolment is based on comprehension level as determined by the instructor.

COM 206C Units: 1.5 Hours: 3-0 Business English and Communications - Level III

Development and enhancement of skills in written business communication, oral business communication, and non-verbal communication. Students will learn how to develop efficient use of verbal and non-verbal skills in business situations; be able to use language to convey specific messages to intended audiences; develop and use techniques for information management. Concentration is on pronunciation, building vocabulary and comprehension of complex literature.

Note: Open only to international students and incoming Faculty of Business exchange program students and international students in the Bachelor of Commerce program; enrolment is based on comprehension level as determined by the instructor.

COM 220 Units: 1.5 Hours: 3-0 Formerly: 120

Organizational Behaviour

Introduction to behavioural concepts and tools that will assist the manager in both understanding behaviour in organizations and improving organizational effectiveness. Topics include individual motivation, perception and communication, managerial roles, schools of management theories, group processes and team work, leadership, supervision, and introduction to organizational structure, processes, and culture.

Notes: - Credit will be granted for only one of 220, 120, PSYC 334, PSYC 334A, SOCI 323, SOCI 324. Not available for supplemental.

- Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. Credit will not be granted toward the Bachelor of Commerce program.

Prerequisites: Second-year standing.

COM 240 Units: 1.5 Hours: 3-0 Management Finance

An introduction to corporate financial management. Provides a framework, concepts, and tools for analyzing financial decisions. Main topics include discounted cash flow techniques, financial statement analysis, capital budgeting, valuation of stocks and bonds, tax environments, risk and return tradeoffs, diversification, capital market efficiency, and an introduction to international finance issues.

Note: Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. Credit will not be granted toward the Bachelor of Commerce program. Not available for supplemental.

Pre- or corequisites: 202 or 253 or 270 and second-year standing.

COM 250 Units: 1.5 Hours: 3-0 Fundamentals of Marketing

Product design and management, distribution channels, and marketing communications are examined as key elements of the marketing mix. Consumer buyer behaviour, sales force management, and marketing research are other topics to be reviewed.

Note: Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. Credit will not be granted toward the Bachelor of Commerce program. Not available for supplemental.

Prerequisites: Second-year standing.

COM 270 Units: 1.5 Hours: 3-0 Financial and Management Accounting For Specialists

Introduction to the construction and interpretation of financial statements and the development and use of accounting information for management planning and control, including the development of cost information.

Note: Credit will be granted for only one of 270 or 210. Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. Credit will not be granted toward the Bachelor of Commerce program. Not available for supplemental.

Prerequisites: Second-year standing.

COM 290 Units: 1.5 Hours: 3-0 Introduction to Canadian Business

An overview of the Canadian business system. An examination of the economic, geographical, historical, legal, and political factors. Examples may include the business functions of production, marketing, finance and human resources. Emphasis on management case studies, oral presentations and working in groups.

Notes: - Credit will be granted for only one of 290, 100, 390.

- Open only to international students and pre-Commerce Business students.

COM 295 Units: 1.5 Hours: 3-0 Canadian Business Studies

Provides an overview for international students of the Canadian business environment, examining the economic, geopolitical, and historic context. Intended to be experiential, bringing the student into contact with Canadian businesses and their managers.

Note: Open only to international students in the Faculty of Business.

Prerequisites: 290 or 390.

COM 302 Units: 1.5 Hours: 3-0 Business Law

Examines a number of legal principles that affect businesses and other organizations (e.g. non-profit organizations) in our society. Topics include the law of tort, contract, business organizations and property. Focuses on specialized areas such as the law of negligence, international business transactions, employment contracts, intellectual property and fiduciary obligations.

Note: Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program.

Prerequisites: Second-year standing.

COM 315 Units: 1.5 Hours: 3-0 Financial Accounting

Introduces financial accounting concepts in a manner that prepares managers to use information presented in Balance Sheets, Income Statements, and Cash Flow statements for making relevant financial decisions in a global environment. In addition to a review of the above financial statements, topics include understanding financial statement analysis.

Prerequisites: Restricted to students admitted to the BCom Program core.

COM 316 Units: 1.5 Hours: 3-0 Management Accounting

Presents an introduction to the managerial accounting tools and models available to managers for use in their planning, controlling, and global decision-making functions. Topics include the behaviour of costs, the differential concept, short-run choice decisions, cost-volume-profit relationships, variance analysis, and the management control process.

Prerequisites: Restricted to students admitted to the BCom Program core.

COM 321 Units: 1.5 Hours: 3-0 Organizational Behaviour and Design

Examines individual behaviours, group processes, and structural characteristics that influence organization effectiveness. Topics include: personality, perception, individual values and work attitudes, decision making, work motivation, intra- and inter-group dynamics, leadership, power and politics, and organizational structure and culture.

Prerequisites: Restricted to students admitted to the BCom Program core.

COM 322 Units: 1.5 Hours: 3-0 Management of Employment Relations

Examines issues faced by managers when recruiting, hiring, training, appraising and compensating employees, along with the techniques required to perform these human resource functions. Particular attention will also be given to how human rights legislation and labour unions affect the management of human resources.

Prerequisites: Restricted to students admitted to the BCom Program core.

COM 331 Units: 1.5 Hours: 3-0 Introduction to Management Information Systems

The use of computer-based information systems in achieving the information objectives of the organization. Fundamentals of hardware, software, networks, electronic commerce and business applications. Focus is on the responsible use of information systems and technology to support business strategy, operations and decision making. Includes the use of, but not instruction in, computer-based productivity tools.

Prerequisites: Restricted to students admitted to the BCom Program core.

COM 341 Units: 1.5 Hours: 3-0 Operations Management

Introduction to both the broad strategic and tactical decisions of operations management. Topics covered include project planning/management, process choice, process flow analysis, location and layout of facilities, capacity and resource planning, job design, inventory control, scheduling, supply chain management, quality management and quality control. The link between operations management and other functional areas of business are evaluated.

Prerequisites: Restricted to students admitted to the BCom Program core.

COM 351 Units: 1.5 Hours: 3-0 Marketing Principles and Management

Students will learn and apply basic marketing theory, concepts, and tools to make and defend key marketing decisions relating to: market segmentation, positioning, product development and management, pricing, distribution management, and marketing communications. Emphasis will be placed on both the fundamental principles of marketing and their application in a variety of industry and international contexts.

Prerequisites: Restricted to students admitted to the BCom Program core.

COM 361 Units: 1.5 Hours: 3-0 International Business

Focuses on key aspects of doing business globally, including: the forces of globalization; how business conditions and practices differ from country to country; free trade and protectionism; exporting, licensing, and foreign direct investment; exchange rates and the complications that arise when dealing with multiple currencies; and strategic and organizational issues for firms operating in international markets.

Prerequisites: Restricted to students admitted to the BCom Program core.

COM 362 Units: 1.5 Hours: 3-0
Formerly: 305 and part of 361 (prior to 2006W Session)

Business and Sustainability

Introduces the changing role of business as managers face many social, political, economic, and ecological forces. Examines how these forces pressure businesses to question existing traditional operating approaches. Introduces key concepts of corporate social responsibility, business and sustainability, sustainable development, and social entrepreneurship. Examines how firms respond to calls for more sustainable economic, social, and ecological operating approaches. Introduces concepts, tools and frameworks that assist businesses to effect transition to more sustainable practices.

Note: Credit will be granted for only one of 362 or (305 and 361 if taken prior to the 2006 Winter Session).

Prerequisites: Restricted to students admitted to the BCom Program core.

COM 371 Units: 1.5 Hours: 3-0
Management Finance

Serves as an introduction to corporate financial management. The primary objective is to provide a framework, concepts, and tools for analyzing financial decisions. Main topics include discounted cash flow techniques, the valuation of financial assets, financial statement analysis, capital budgeting decisions, risk and return tradeoffs, diversification, capital market efficiency, and the cost of capital to the firm.

Prerequisites: Restricted to students admitted to the BCom Program core.

COM 390 Units: 1.5 Hours: 3-0
Canadian Business Environment

An examination of the cultural, economic, geographical, historical, legal, and political factors influencing the environment of doing business in Canada.

Note: Credit will be granted for only one of 100, 290, 390. Open only to incoming Faculty of Business Exchange students, or by permission of Program Director.

COM 400 Units: 1.5 Hours: 3-0
Strategic Management

A series of integrative management case studies that illustrate the application and integration of management functions. Focuses on organizational strategy and strategic management including the process of choosing and defining goals, formulating and implementing strategies, and monitoring strategic performance. Normally students are required to take this course in their final academic term.

Prerequisites: Third-year Commerce core.

COM 402 Units: 1.5 Hours: 3-0
Legal Issues in Management

An examination of several aspects of commercial law that are particularly relevant to those who own, manage, or are employed by a business enterprise. Subjects that will be addressed include common law doctrines (such as contract and negligence), legislation (such as the Business Corporations Act) and other legal principles that affect business decision making in a global environment.

Note: Credit will be granted for only one of 402, 302.

Prerequisites: Third-year Commerce core or permission of the Program Director.

COM 403 Units: 1.5
Also: MBA 558
Employment and Labour Law

Examines the constitutional, legislative and common law rules that govern the employment relationship in

both unionized and nonunion workplaces. Examines the entire employment relationship including pre-hire issues, employer/ee rights and obligations, termination of employment and post-termination obligations.

Note: Credit will be granted for only one of 403, MBA 558, 450 (if taken in the same topic).

Pre- or corequisites: 302 or 402 and fourth-year standing or permission of the Program Director.

COM 405 Units: 0 Hours: 3-0
Career Preparation

Designed to ensure that all Commerce students develop career preparation skills, including portfolio presentation, career planning and preparation skills. Intended to complement each student's career goals as identified in COM 205. Content will vary and may include: skills training, portfolio development, career assessment, networking events. This is a non-credit but mandatory course for all Bachelor of Commerce students.

Prerequisites: 205 and fourth-year standing.

COM 410 Units: 1.5 Hours: 3-0
Also: MBA 521
Leadership Strategies

An examination of leadership in a variety of environments: corporate, the military, and the public sector. Identifies the characteristics of a leader and instills an interest in and awareness of this vital organizational skill. Includes a review of leadership research from a historical perspective as well as current theory on transformational leadership. Experiential exercises, case studies and role playing techniques are employed to demonstrate leadership skills.

Note: Credit will be granted for only one of 410, MBA 521.

Prerequisites: 220 or 321 and fourth-year standing or permission of the Program Director.

COM 415 Units: 1.5 Hours: 3-0
Also: MBA 522
Business and the Internet

Business is going global, and traditional markets are rapidly giving way to the electronic marketplace. Combines hands-on experience creating an Internet presence for an existing organization with seminar style classes and invited panels. Covers competitive advantages of electronic communications technologies; fundamentals of data communications; the technical elements of effective use of the Internet for business; and security, privacy, and intellectual property issues related to online business.

Note: Credit will be granted for only one of 415, MBA 522.

Prerequisites: 230 or 331 and fourth-year standing or permission of the Program Director.

COM 420 Units: 1.5 Hours: 3-0
Industrial Relations

An overview of the employment relationship and the labour relations process in unionized settings. The development of the Canadian Labour Movement, functions of trade unions, labour legislation, interests and rights disputes, and dispute resolutions are examined.

Prerequisites: 220 and 310; or 321 and 322 and fourth-year standing; or permission of the Program Director.

COM 425 Units: 1.5 Hours: 3-0
Also: MBA 531
Taxation for Managers

Taxation has a major influence on business decisions. Often the form of organization, the expansion process, the raising of capital or the methods of acquiring and selling a business are influenced by alternative tax treatments. This course first reviews the fundamentals of the income tax system for all taxpayers.

ers. It then examines tax planning techniques that maximize cash flow and return on investment. While the course emphasizes business decisions, it also includes personal financial planning issues.

Note: Credit will be granted for only one of 425, MBA 531.

Prerequisites: 270 or 315 or equivalent and fourth-year standing or permission of the Program Director.

COM 430 Units: 1.5 Hours: 3-0
Marketing Strategy

Analysis of marketing problems and opportunities and the determination and implementation of marketing plans. Core concepts will be reinforced by such methods as case studies, field projects, and/or a computer simulation where students manage the marketing function of a business in a competitive environment.

Prerequisites: 250 or 351 and fourth-year standing or permission of the Program Director.

COM 435 Units: 1.5 Hours: 3-0
Corporate Relations and Responsibilities

Examines the relations of a corporation to its stakeholders - customers, stockholders, government, unions and society at large. Especially important are a firm's code of ethics and conduct, written and unwritten, which governs its relationships and spells out its responsibilities to its various publics. Students will study and discuss a number of cases which illustrate how a variety of organizations have responded to this challenge.

Note: Credit will be granted for only one of 435, 450 (if taken in the same topic).

Prerequisites: 220 or 321 and fourth-year standing or permission of the Program Director.

COM 440 Units: 1.5 Hours: 3-0
Formerly: 410
Business and Government Relations

Management of the interface between business and government is examined through an analysis of decision-making processes of government and business. The impact of government measures on business will be discussed and various resolutions and current developments will be stressed.

Note: Credit will be granted for only one of 440, 410 (if taken prior to 2001).

Prerequisites: 220 or 321 and fourth-year standing or permission of the Program Director.

COM 445 Units: 1.5 Hours: 3-0
Also: MBA 524
Corporate Finance

Serves as a continuation of the introductory finance course to more advanced applications of the techniques, concepts, and tools of corporate finance. Main topics include short- and long-term financial management, cost of capital, capital structure, financial leverage, dividends policy, working capital management, leasing, mergers and acquisitions, and the use of derivatives for risk management.

Note: Credit will be granted for only one of 445, MBA 524.

Prerequisites: 240 or 371 and fourth-year standing or permission of the Program Director.

COM 446 Units: 1.5 Hours: 3-0
Investments

Covers the fundamental principles that are crucial to understanding the securities traded in international financial markets. The main topics include market structure, information efficiency, asset pricing models, valuation and trading of stocks, bonds, options and futures.

Note: Credit will be granted for only one of 446, ECON 435, MBA 525, COM 450 (if taken in the same topic).

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Prerequisites: 240 or 371 and fourth-year standing or permission of the Program Director.

COM 450 Units: 1.5 Hours: 3-0 Selected Topics in Management

The course content will reflect the interests of the faculty members and current issues in business and industry. Topics may include non-traditional forms of work organizations, leadership, organizational development, and development of managerial skills.

Note: May be taken more than once to a maximum of 6 units with permission of the Faculty of Business.

Prerequisites: Fourth-year standing or permission of the Program Director.

COM 455 Units: 1.5 Hours: 3-0 Conflict and Negotiations in Organizations

The dynamics of interpersonal and intergroup negotiations in business. Exercises, videos, lectures, and discussions will be used to address a broad spectrum of conflict situations with an emphasis on negotiation as a conflict management approach. Focus on major concepts and theories of psychology of negotiation as well as developing negotiating skills. Issues of power, personality, strategy, ethics and culture with regard to negotiation will also be addressed.

Prerequisites: 220 and 300; or 321 and 322 and fourth-year standing; or permission of the Program Director.

COM 460 Units: 1.5 Hours: 3-0 Managing in Diverse Environments

Conducted overseas as part of INTEP. An examination in an overseas setting of the development and trends in various business practices.

Prerequisites: Participation in International Exchange Program.

Grading: INP, N, F, letter grade.

COM 470 Units: 1.5 Hours: 3-0 Business Research

Business research project for students participating in INTEP. While overseas on exchange, students will conduct a research project on a specific business and management topic related to the country they are visiting. Projects must be planned and approved by the instructor prior to departure. Upon return, a written report is required.

Prerequisites: Participation in International Exchange Program.

Grading: INP, N, F, letter grade.

COM 480 Units: 1.5 Hours: 3-0 International Study

Conducted overseas as part of INTEP. An overseas immersion in cultural orientation, cultural sensitivity, on-site company visits with intensive foreign language training.

Note: May be taken more than once to a maximum of 4.5 units with permission of the Program Director.

Prerequisites: Participation in International Exchange Program.

Grading: INP, N, F, letter grade.

COM 490 Units: 1.5 Directed Studies in Management

A specialized course which is a guided study under the supervision of a faculty member. Students interested in completing a directed studies course are responsible for selecting their topic and finding a faculty member willing to act as their supervisor. When agreement has been reached between the student and faculty member, a Directed Studies Proposal, outlining the project and the paper, must be completed, signed by both the student and faculty member, and submitted to the BCom office for final approval.

Note: Registration is by permission only.

Prerequisites: Permission of the Program Director.

COM 495 Units: 1.5 Hours: 3-0 Marketing Communications

Analysis of approaches to advertising, personal selling and sales management. Based on relevant concepts of communication theory and current business practice. The course will alternate periodically in its emphasis on advertising and personal selling and sales management.

Prerequisites: 250 or 351 and fourth-year standing or permission of the Program Director.

COM 499 Units: 1.5 Hours: 3-0 Formerly: IB 410, 499, ENT 499, HOS 499 International Management and Environment

Conducted overseas as part of INTEP. Provides students with an opportunity to understand how a country's unique cultural, economic, geographical, historical, legal and political environments affect the way business is done in that country.

Note: Credit will be granted for only one of 499, IB 410, IB 499, ENT 499, TRM 499, HOS 499.

Prerequisites: Participation in International Exchange Program.

Grading: INP, N, F, letter grade.

CS

Canadian Studies Diploma Program in Canadian Studies Interdisciplinary Programs

CS 001 Units: 0 Introduction to the Place: the Geography and History of Canada

This non-credit course must be taken by all students in the Program prior to 101 and 102.

Grading: COM, INC.

CS 101 Units: 1.5 Hours: 3-0 Formerly: CS 100A Introduction to Canadian Culture

An introduction to the multidisciplinary study of cultural structures and expressions in Canada, including such forms as literature, the fine arts, mass media, and communications.

Note: Credit will be granted for only one of 101, 100A. A required course for the Diploma/Certificate programs in Canadian Studies. Priority is given to students in the Diploma and Certificate Programs in Canadian Studies.

CS 102 Units: 1.5 Hours: 3-0 Formerly: CS 100B Introduction to Canadian Contemporary Issues

An introduction to contemporary issues in Canadian society including politics, economic and social structures, cultural and arts policy, science and technology, multiculturalism, bilingualism, First Nations, and women's issues.

Note: Credit will be granted for only one of 102, 100B. A required course for the Diploma/Certificate programs in Canadian Studies. Priority is given to students in the Diploma and Certificate Programs in Canadian Studies.

CS 200 Units: 1.5 Hours: 3-0 Topics in Canadian Studies

Topics of current interest including Canadian art, film, culture and social, political and environmental issues.

Note: May be taken more than once for credit in different topics with permission of the Program. A required course for the Diploma/Certificate program in Canadian Studies.

CS 201 Units: 1.5 Hours: 3-0

Issues and Ideas in Canadian Environmentalism
An exploration of the connections between Canadian culture and environment including an examination of our cultural worldview both past and present. Investigates how our sense of nation, national destiny and religious, cultural and ethnic inheritance has shaped and continues to shape our ideas of the wilderness, the Canadian environment and environmental issues.

CSC

Computer Science Department of Computer Science Faculty of Engineering

Courses offered by the Faculty of Engineering are also found under the following course codes: CENG (Computer Engineering), ELEC (Electrical Engineering), ENGR (Engineering), MECH (Mechanical Engineering) and SENG (Software Engineering).

CSC 100 Units: 1.5 Hours: 3-1 Elementary Computing

An introduction to computing for the nonspecialist. Topics covered include the basic structure of a digital computer system; applications of computers in the home, office and industry; and implications of computers for society. Hands-on experience with a micro-computer and the use of some practical software packages are given.

Notes: - Not open to students with credit in any of 105, 110, 112, 212. Normally not open to students with credit in ICT 11 Applied Digital Communications or ICT 11 Computer Programming or equivalent.

- Designed for a general university audience; students intending to Major in Computer Science should enrol in 110 rather than 100.

CSC 105 Units: 1.5 Hours: 3-1 Computers and Information Processing

An introduction to business computing. Topics covered include the basic structure of digital computer systems, microcomputers, word processing, spreadsheets, database systems, communications, networks and introductory programming. In the laboratory, students will receive hands-on experience with microcomputers and software packages for business applications.

Notes: - Not open to students registered in or with credit in 212 or HINF 130, HINF 171, HINF 172. Not open for credit to students in a Major or Honours program in Computer Science, Computer Science/Mathematics, Computer Science/Statistics or Physics/Computer Science.

- Intended primarily for students in the Business School or Economics. Students who have completed or are currently registered in ECON 103 and ECON 104 will be given priority.

CSC 106 Units: 1.5 Hours: 3-1 Formerly: 212

The Practice of Computer Science

A survey of aspects of the application of Computer Science. Topics: hardware and software design including logic design, basic computer organization and system software; programming paradigms; external storage, sequential file processing and elementary relational databases; networks and electronic information services; artificial intelligence; ethical and societal considerations.

Note: Credit will be granted for only one of 106, 112, 212. Not open to third- or fourth-year students without permission of the department.

CSC 110 Units: 1.5 Hours: 3-2
Fundamentals of Programming I

Introduction to designing, implementing, and understanding computer programs using an object-oriented programming language. Topics include an introduction to computing and problem solving, selection and iteration, arrays and collections, objects and classes, top-down design and incremental development.

Note: Credit will be granted for only one of 110, 111.

Prerequisites: Mathematics 12 or Precalculus 12 or Foundations of Math 12 or MATH 120.

CSC 111 Units: 1.5 Hours: 3-2
Fundamentals of Programming with Engineering Applications

Fundamentals of computer programming with real-world engineering examples using an imperative programming language. Topics include variables, data types, statements, control structures, functions, parameter passing mechanisms, expressions, data structures, files, pointers, storage allocation, elementary searching and sorting, recursion, encapsulation, modularity, incremental development, testing, and debugging.

Note: Credit will be granted for only one of 110, 111.

Prerequisites: Mathematics 12 or Precalculus 12 or Foundations of Math 12.

CSC 115 Units: 1.5 Hours: 3-2
Fundamentals of Programming II

Techniques, methods, and tools for systematic development and maintenance of software systems and documentation; basic algorithms and data structures; and fundamental concepts of object-oriented programming. Topics include control and data abstraction, modularization, abstract data types, layers of abstraction, information hiding, separation of concerns, type checking, program design, separate compilation, software libraries, techniques for the development of high-quality software components, program understanding.

Note: Credit will be granted for only one of 115, 160.

Prerequisites: 110 or 111.

CSC 167 Units: 1.5 Hours: 3-1
Game Strategy, Interaction and Design

This multi-disciplinary course explores computer games and their applications through design exercises and game playing. Topics include: game console architectures, entertainment media, history of academic and application-based simulations, role of artificial intelligence research, history of computer graphics, history of sound technologies, evolution of computer game design, networked games, virtual reality, and history of video and computer game industries.

Note: Not open to students with credit in 205 or 305.

CSC 205 Units: 1.5 Hours: 3-1
2D Computer Graphics and Image Processing

Vectors, parametric/implicit, RGB colours, lines, circles, barycentric coordinates, rasterization, image filtering, sampling, aliasing and antialiasing, compression, UI for image processing.

Pre- or corequisites: MATH 211, 233A, SENG 265.

CSC 225 Units: 1.5 Hours: 3-1
Algorithms and Data Structures I

An introduction to algorithm design and analysis. Random access machine model. Time and space complexity, average and worst case analysis, upper and lower bounds. Application of correctness proof techniques. Algorithms: internal searching, merging, sorting, selection, hashing; graphs: traversals, topological sort, transitive closure, strongly connected components, shortest path, minimum spanning tree. The existence of intractable problems, heuristics. Data structures: B-trees, heaps and graphs.

Prerequisites: 115 or 160, and MATH 122 or CENG 245.

CSC 230 Units: 1.5 Hours: 3-1.5
Introduction to Computer Architecture

The architecture of computer systems including concepts such as CPU, memory, buses, I/O, cache, instruction sets, interrupt processing, pipelining, performance. Families of processors, CISC, RISC. Memory organization and management (including virtual memory, protection, segmentation and paging). Computer arithmetic. The use of assemblers, linkers and loaders. Assembly language programming and its interface with a high-level language (C).

Note: Credit will be granted for only one of 230, CENG 255.

Prerequisites: 115 or 160.

CSC 242 Units: 1.5 Hours: 3-1
Also: PHYS 242
Computers in Science

A combined lecture and laboratory course designed to introduce numerical methods and data analysis techniques of use in the physical sciences. These include basic statistical methods, Monte Carlo simulation, error analysis, parameter estimation, hypothesis testing and data visualization. Additional topics may include numerical methods for solving integrals and differential equations.

Note: Credit will be granted for only one of 242, PHYS 242. May not be counted for credit towards a Computer Science degree.

Prerequisites: 110, and PHYS 120 or 112.

Pre- or corequisites: MATH 200.

CSC 299 Units: 1.5 Hours: 0-6
Undergraduate Directed Project

Under the supervision of faculty, students will participate in projects that will include both their particular areas of interest and other aspects of Computer Science.

Note: Students must consult the department before registering.

Prerequisites: Permission of the instructor and grade of B+ or higher in two of 115, 225, 230, SENG 265.

CSC 305 Units: 1.5 Hours: 3-1
Formerly: 405
Introduction to Computer Graphics

Introduction to computer graphics. Principles of raster image generation. Example of a graphics API. Graphics primitives, data structures. Coordinate systems, affine transformations and viewing of graphical objects. Introduction to rendering including shading models and ray tracing. Introduction to modelling including polygon meshes, subdivision, and parametric curves and surfaces, colour.

Note: Credit will be granted for only one of 305, 405.

Prerequisites: 225, MATH 100, MATH 110 or 211.

CSC 320 Units: 1.5 Hours: 3-0
Foundations of Computer Science

A survey of formal models and results that form the theoretical foundations of computer science; typical topics include finite automata, Turing machines, undecidable problems, context free languages and computational complexity.

Prerequisites: 225, MATH 222 or PHYS 242.

CSC 322 Units: 1.5 Hours: 3-0
Logic and Programming

Practical applications of logic in computer science and its relevance in such areas as software engineering, artificial intelligence and circuit design theory. Topics include: propositional expressions and circuits, reading and writing first order logic, predicate logic as a relational query language, knowledge representation, PROLOG, and other related topics.

Prerequisites: 115 or 160, and MATH 122, 224, CENG 245, PHIL 203, or 304A.

CSC 326 Units: 1.5 Hours: 3-0
Algorithms and Data Structures II

Amortized time complexity, lower bound arguments, matrix operations, disjoint set operations, string matching, graph algorithms: shortest path, minimum spanning tree, network flow. Intractable problems, approximate solutions. Data structures: disjoint set, priority queue, balanced trees. Techniques: divide and conquer, dynamic programming, greedy, branch and bound.

Prerequisites: 225, MATH 222.

CSC 330 Units: 1.5 Hours: 3-0
Programming Languages

The fundamental concepts of imperative and applicative programming languages. Topics include the description of data types, variable assignment and sharing; sequencing; iteration and recursion; parameter passing mechanisms; and type checking. Students will develop interpreters which implement some of the language features listed above.

Prerequisites: 225, 230, and 265 or SENG 265.

CSC 340 Units: 1.5 Hours: 3-0
Numerical Methods

The study of computational methods for solving problems in linear algebra, nonlinear equations, approximation, and ordinary differential equations. The student will write programs in a suitable high-level language to solve problems in some of the areas listed above, but the course will also teach the student how to use mathematical subroutine packages currently available in computer libraries.

Note: Credit will be granted for only one of 340, 349A or equivalent.

Prerequisites: 115 or 160; MATH 110 or 211; and MATH 201 or 202 or ELEC 255.

CSC 349A Units: 1.5 Hours: 3-0
Numerical Analysis

An introduction to selected topics in Numerical Analysis. Typical areas covered: error analysis, roots of equations, systems of linear equations, linear programming, interpolation, numerical integration, and ordinary differential equations.

Note: Credit will be granted for only one of 349A, 340 or equivalent.

Prerequisites: 115 or 160, MATH 200, and MATH 110 or 211.

Pre- or corequisites: MATH 201.

CSC 350 Units: 1.5 Hours: 3-0
Computer Architecture

Introduces the basic building blocks of a general purpose computer with emphasis on techniques for speed and performance enhancement. Topics will include: central processor organization, arithmetic algorithms, lookahead and parallelism, memory hierarchy, control unit and microprogramming, input output devices, case studies of some recent micro, mini, and mainframe computers.

Prerequisites: 225, 230.

CSC 355 Units: 1.5 Hours: 3-2
Formerly: 250
Digital Logic and Computer Organization

Fundamentals of logic design, computer organization and hardware components of computers and embedded systems and the development of a structured design methodology. The use of ASIC and field programmable devices. An introduction to Hardware Description Languages and their implementation, finite state machines, the use of CAD algorithms and tools for system design, and the testing of digital systems. Topics include Boolean algebra, combinational

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and sequential circuits, memory organization, buses and arithmetic units, basic microprocessor design.

Note: Credit will be granted for only one of 355, 250.

Prerequisites: 230, MATH 122.

CSC 360 Units: 1.5 Hours: 3-1 Operating Systems

The major concepts of operating systems and study of the interrelationships between the operating system and the architecture of computer systems. Topics discussed include operating system structures, concurrent programming techniques, cpu scheduling, deadlocks, memory management, file systems and protection.

Prerequisites: 225; 230 or CENG 255; SENG 265 or CENG 241.

CSC 361 Units: 1.5 Hours: 3-2 Computer Communications and Networks

An introduction to concepts in computer communication and networks. Topics will include layered network architectures, packet switching networks, local area networks, protocol design, and network security.

Note: Credit will be granted for only one of 361, 450, CENG 460.

Prerequisites: 225, 230, SENG 265.

CSC 370 Units: 1.5 Hours: 3-0 Formerly: 470 Database Systems

The use and operating principles of database management systems. Topics include: data entities and relationships; data modelling using Entity-Relation Diagrams; hierarchical, network and relational models of databases; query languages; physical representation of data in secondary storage; relational algebra and calculus as applied to the design of databases; security and integrity in the context of concurrent use; and basic ethical issues associated with database design and use.

Note: Credit will be granted for only one of 370, 470, HINF 200, 300.

Prerequisites: 225, SENG 265 or CENG 241.

CSC 375 Units: 1.5 Hours: 3-0 Introduction to Systems Analysis

The methods and methodologies used in analyzing and designing various types of systems. Topics include: project definition; CASE tools; data gathering; structured analysis and design; man-machine interface; database design; system controls; hardware selection; and system testing, implementation and operation. Students will be assigned to a project team involved in a system study as part of the course.

Prerequisites: SENG 265; or HINF 130 or 172, and either 140 or 240.

Pre- or corequisites: HINF 140 may be taken as a corequisite.

CSC 390 Units: 6.0-7.5 CSC Exchange Term

Where the department has entered into an exchange agreement with another Department in Canada or elsewhere, students may register in this course for up to 7.5 units per term towards their degree at the University of Victoria. The terms and conditions of a student's enrolment in an exchange term, the number of units of credit authorized and the requirements for successful completion of the term are governed by the regulations adopted by the department.

Note: May be taken twice.

Prerequisites: Permission of the Chair.

Grading: COM, F.

CSC 421 Units: 1.5 Hours: 3-0 Introduction to Artificial Intelligence

An introduction to the basic concepts and techniques of Artificial Intelligence. The main successes and challenges throughout history will be covered. Topics include heuristics, searching, rule based programming (in Lisp and/or Prolog), knowledge representation in standard and nonstandard logics, neural networks and feature spaces. Applications to game playing, natural language processing, and recognition/classification.

Note: Credit will be granted for only one of 421, CENG 420 unless permission is granted by the Chair or Director responsible for the student's degree program.

Prerequisites: 225 and fourth-year standing.

CSC 422 Units: 1.5 Hours: 3-0 Graph Algorithms

Detailed study, from the algorithmic point of view, of some tractable and intractable graph problems. Tractable problems covered include: path problems, spanning trees, network flows, matchings, planarity testing.

The theory of NP completeness is reviewed and applied to graph problems which are apparently intractable, e.g., the clique, independent set, vertex cover, Hamiltonian circuit, Travelling Salesman and colouring problems. Approximation and probabilistic solutions to the intractable problems are discussed.

Models of randomized and parallel computation and their associated complexity classes are outlined and examples of these kinds of algorithms for some graph problems are examined.

Note: Credit will be granted for only one of 422 and a topics course with similar content.

Prerequisites: A minimum grade of B+ in 225, a minimum grade of B+ in MATH 222 and third- or fourth-year standing.

CSC 423 Units: 1.5 Hours: 3-0 Randomized Algorithms

Basic techniques in design and analysis of randomized algorithms: moments and deviations, Markov chains and random walks, martingales, and algebraic techniques. Other topics include: the probabilistic method, random structures, and complexity. Applications are selected from: parallel algorithm, routing networks, combinatorial optimization, data structure, approximate solutions to intractable problems, cryptography, pattern matching, and computational geometry.

Note: Credit will be granted for only one of 423 and a topics course with similar content.

Prerequisites: A minimum grade of B+ in 225 and third- or fourth-year standing.

CSC 425 Units: 1.5 Hours: 3-0 Formerly: 420 Analysis of Algorithms

General techniques for designing and analyzing algorithms; an in-depth examination of several problems and algorithms with respect to their time and space requirements; advanced data structures; sorting and searching; graph algorithms; backtracking; NP-complete problems; approximation algorithms.

Note: Credit will be granted for only one of 425, 420.

Prerequisites: 320, 326.

CSC 426 Units: 1.5 Hours: 3-0 Computational Geometry

Algorithms and data structures that are used to solve geometrical problems. Topics include geometric searching, convex polygons and hulls, Voronoi diagrams, plane sweep algorithms, proximity, and intersections. Application areas which are discussed include:

computer graphics, VLSI design, and graph theory.

Prerequisites: 225, third- or fourth-year standing.

CSC 428 Units: 1.5 Hours: 3-0 Computational Biology Algorithms

The design, analysis and implementation of algorithms used in Computational Biology. Typical topics include algorithms for sequence alignment, database searching, gene finding, phylogeny and structure analysis.

Prerequisites: 225, third- or fourth-year standing.

CSC 428A Units: 1.5 Hours: 3-0 Combinatorial Algorithms

Exploration of the interfaces between combinatorics and Computer Science. Algorithms and data structures that are used to manipulate, generate, and randomly select combinatorial objects, including sets, permutations, combinations, trees, graphs. Methods for analyzing combinatorial algorithms such as recurrence relations, asymptotics, and amortized complexity.

Note: Credit will be granted for only one of 428A and a topics course with similar content.

Prerequisites: A minimum grade of B+ in 225, a minimum grade of B+ in MATH 222 and third- or fourth-year standing.

CSC 429 Units: 1.5 Hours: 3-0 Cryptography

Fundamentals of modern cryptography. Topics include: review of classical and information-theoretic cryptography; block ciphers, DES, cryptanalysis of DES, modes of operation, AES; cryptographic hash functions and message authentication codes; public key cryptography, RSA, ElGamal and other public key systems, signature schemes; introduction to security protocols.

Prerequisites: MATH 222; or CENG 245; or MATH 133 and STAT 254. CSC 225 recommended.

CSC 435 Units: 1.5 Hours: 3-1 Compiler Construction

Compilation, including: lexical analysis, syntax analysis, semantic analysis, code optimization, and simple code generation. Students will implement a compiler for a simple language.

Prerequisites: 225, 320, 330.

CSC 445 Units: 1.5 Hours: 3-0 Formerly: 448A Operations Research: Linear Programming

An introduction to linear programming and its applications. Topics include: the simplex method, the revised simplex method, computer implementations, duality. Optional topics include: parametric and sensitivity analysis, primal-dual algorithm, network simplex method, the network flow problem, and game theory. Typical applications include: fitting curves to data, the transportation problem, inventory problems and blending problems.

Note: Credit will be granted for only one of 445, 448A.

Prerequisites: 349A or a minimum grade of B in 340.

CSC 446 Units: 1.5 Hours: 3-0 Formerly: 448B Operations Research: Simulation

An introduction to discrete event simulation. Topics include: elementary queueing theory, basic techniques of discrete event simulation, generating random numbers, sampling from non-uniform distributions, simulation programming using general purpose languages and also special purpose simulation languages.

Note: Credit will be granted for only one of 446, 448B.

Prerequisites: 115 or 160, STAT 252 or 254 or 260, and any 300 level Mathematics or Computer Science course.

CSC 449 Units: 1.5 Hours: 3-0
Numerical Linear Algebra

Gaussian elimination and its variants; sparse positive definite linear systems; sensitivity of linear systems: norms, condition, stability, scaling, iterative refinement; orthogonal matrices and least squares; eigenvalues and eigenvectors; the QR algorithm; the singular value decomposition.

Prerequisites: 349A or a minimum grade of B in 340.

CSC 454 Units: 1.5 Hours: 3-0
Fault Tolerant Computing

An introduction to selected issues in fault tolerant computing. Topics include: definitions of reliability, availability, safety, maintainability, testability and dependability; system protection through both hardware and information redundancy; quantitative methods for the evaluation of reliability; the design and test of integrated circuits; software fault tolerance and software testing. Includes a number of case studies of practical fault tolerant systems.

Prerequisites: 250 or 355, and 360.

CSC 460 Units: 1.5 Hours: 3-3
Design and Analysis of Real-time Systems

Fundamental issues in design of real-time operating systems and application software. Typical topics include: hard real-time scheduling, interrupt driven systems, process communication and synchronization, language requirements for real-time systems, decomposition of real-time requirements into process models, and case studies. A project involving design, implementation and testing of a real-time executive and real-time application software will also be included.

Prerequisites: 355, 360, and either SENG 321 or 365.

CSC 461 Units: 1.5 Hours: 3-3
Multimedia Systems

Introduction to multimedia systems and applications. Topics include multimedia system design issues, representation, processing and retrieval of temporal and non-temporal media types, data compression techniques, multimedia system architecture, operating systems, networking, quality of service and database system issues, object-oriented multimedia programming, user interface, virtual worlds. Completion of a minor lab project is required.

Prerequisites: 360 and either 361, 450 or CENG 460.

CSC 462 Units: 1.5 Hours: 3-3
Distributed Computing

Review of computer networking. Mechanisms including interprocess communication and remote procedure call. Distributed operating systems design problems: kernels and microkernels, process models, virtual memory, naming and protecting. Distributed file systems. Fundamental problems in distributed computing: naming, ordering of events, replication and atomicity. Case studies.

Prerequisites: 360 and either 361, 450, or CENG 460.

CSC 463 Units: 1.5 Hours: 3-0
Wireless and Mobile Networks

An introduction to selected issues in wireless and mobile networks. Topics include: radio basics, mobility models, location management, handoff, QoS (Quality of Service), MAC (Medium Access Control), routing, and transport protocols over different types of wireless and mobile networks.

Prerequisites: 361 or 450 or CENG 460.

CSC 464 Units: 1.5 Hours: 3-0
Concurrency

Introduction to the foundations of concurrency theory and the issues of specification and verification of concurrent systems. Topics will include models of concurrency such as Petri nets, labelled transition systems, and traces; specification of concurrent systems/programs in formalisms including process algebras, statecharts, Petri nets and temporal logics; verification techniques such as bisimulation and model checking. Case studies will be taken from coordination problems, controller design, communication protocols, hardware and user interface design.

Prerequisites: 320, 360.

CSC 466 Units: 1.5 Hours: 3-0
Overlay and Peer-to-Peer Networking

Focuses on Layer 3 and above and the control plane of the Internet. Topics will include: overlay network architectures, peer-to-peer application models, end-to-end control mechanisms, inter- and intra-domain routing protocols, service provisioning, network measurement, and related best current practices on the Internet.

Prerequisites: 361 or 450 or CENG 460.

CSC 467 Units: 1.5 Hours: 3-0
Switching, Network Traffic and Quality of Service

Emphasizes Layer 2/3 concepts and the data plane. Review of computer communications and networks. Switch & Router Architectures, Traffic Management and Traffic Engineering, Data and Control Plane (Virtual Private Networks, MPLS), QoS routing aspects and Protocols. Optical Networks.

Prerequisites: 361 or 450 or CENG 460.

CSC 471 Units: 1.5 Hours: 3-1
Fundamentals of Computer Rendering.

Physical foundations of illumination techniques. Colour, radiometry, photometry and reflection models. The rendering equation and rendering methods including ray tracing and radiosity. Sampling and anti-aliasing theory and methods such as photon tracing, Monte Carlo techniques and texturing methods. Volume rendering and point based rendering methods, image-based rendering, real-time shading and non-photo realistic rendering techniques.

Prerequisites: 305.

CSC 472 Units: 1.5 Hours: 3-1
Fundamentals of Computer Modelling

Theory and practice of implicit and parametric modelling B-splines including NURBS and tensor product surfaces. Subdivision schemes and multi-resolution. Application of wavelets to modelling. Solid modelling including constructive solid modelling, volume models, implicit and point based modelling. Blending, deformation, polygonization, the Blobtree and precise contact modelling. Meshing techniques such as mesh reduction. Procedural modelling methods such as L-systems, and sketch based modelling.

Prerequisites: 305.

CSC 473 Units: 1.5 Hours: 3-1
Fundamentals of Computer Animation

Principles of traditional animation, key framing, parametric and track animation, free form deformation, inverse kinematics, dynamics, spring mass systems, particle systems, numerical integration, Lagrangian constraints, space time constraints, collisions, human animation, behavioural animation, metamorphosis, implicit animation techniques, animating liquids, gases and cloth, motion capture. Animation interfaces (such as Maya) and introducing MEL scripting.

Prerequisites: 305.

CSC 475 Units: 1.5 Hours: 3-0
Music Retrieval Techniques

A comprehensive introduction to the emerging research area of Music Information Retrieval (MIR). Topics include techniques from signal processing, machine learning, information retrieval, human-computer interaction, and software engineering are applied in the design and development of MIR algorithms and systems.

Note: Credit will be granted for only one of 475, 484 (if taken in the same topic).

Prerequisites: Two of 330, 340, 360, 370, ELEC 260, 310, SENG 310, 330.

CSC 482 Units: 1.5 Hours: 3-0
Topics in Algorithms

Topics depend primarily on the interests of the instructor. Entry will be restricted to third- and fourth-year students who meet the prerequisite specified for the topic to be offered.

Note: Offered as 482A, 482B, 482C, 482D. May be taken more than once for credit in different topics with permission of the department.

CSC 483 Units: 1.5 Hours: 3-0
Topics in Programming Methodology

Topics depend primarily on the interests of the instructor. Entry will be restricted to third- and fourth-year students who meet the prerequisite specified for the topic to be offered.

Note: Offered as 483A, 483B, 483C, 483D. May be taken more than once for credit in different topics with permission of the department.

CSC 484 Units: 1.5 Hours: 3-0
Topics in Scientific Computing

Topics depend primarily on the interests of the instructor. Entry will be restricted to third- and fourth-year students who meet the prerequisite specified for the topic to be offered.

Note: Offered as 484A, 484B, 484C, 484D. May be taken more than once for credit in different topics with permission of the department.

CSC 485 Units: 1.5 Hours: 3-0
Topics in Systems

Topics depend primarily on the interests of the instructor. Entry will be restricted to third- and fourth-year students who meet the prerequisite specified for the topic to be offered.

Note: Offered as 485A, 485B, 485C, 485D, 485E, 485F, 485G, 485H. May be taken more than once for credit in different topics with permission of the department.

CSC 486 Units: 1.5 Hours: 3-0
Topics in Graphics

Topics depend primarily on the interests of the instructor. Entry will be restricted to third- and fourth-year students who meet the prerequisite specified for the topic to be offered.

Note: Offered as 486A, 486B, 486C, 486D. May be taken more than once for credit in different topics with permission of the department.

CSC 490 Units: 1.5 or 3.0
Directed Studies

Note: Students must consult the department before registering. May be taken more than once for credit in different topics with permission of the department.

CSC 497 Units: 1.5 Hours: 0-0-6
Interdisciplinary Project

Research under the direction of a faculty member. The student is required to pursue an interdisciplinary project, prepare a written report and to present a seminar describing the work.

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Prerequisites: Fourth-year standing in a Computer Science Combined Program.

CSC 498 Units: 1.5 Hours: 0-6 Bioinformatics Project

Research under the direction of a faculty member. The student is required to pursue a project, prepare a written report and to present a seminar describing the work.

Prerequisites: Fourth-year standing in the Bioinformatics Option or permission of the department.

CSC 499 Units: 1.5 Hours: 1.5-4.5 Honours Seminar and Project

Seminar and research project under the direction of a faculty member. The student is required to pursue an independent project, to prepare a written report and to present a seminar describing the work.

Note: Open to fourth-year Computer Science, Computer Science/Mathematics, Computer Science/Physics and Computer Science/Statistics Honours students only.

CW

Creative Writing (En'owkin Centre) Certificate Program in Foundations in Indigenous Fine Arts Faculty of Fine Arts

CW (E) courses are offered only through the En'owkin Certificate Program in Indigenous Fine Arts.

CW 150E Units: 1.5 Writing for Children from a First Nations' Perspective

The techniques used in writing for children. An examination of Native Indian legends and stories and the imagery contained therein as well as the importance of uniting illustrations to story line will take place. Contemporary story writing, as well as traditional, will be emphasized.

CW 155E Units: 1.5 Hours: 3-0 Critical Process and World View

A critical examination of Aboriginal literature, including oral story-telling methods and techniques, enabling students to apply that critical process to their own writing.

CW 156E Units: 1.5 Critical Process, Symbolism and Oral Tradition

Focuses on and encourages the use of archetypes in poetry, prose and drama. Native literature archetypes such as coyote, the Thunderbird, eagle, owl and horse will be discussed, and the nature of their use by Native authors will be examined. Students will examine the literary forms that have been developed by indigenous peoples everywhere with a view to using some of these forms as models for their own creative efforts. Oratory, legends and stories, songs, music, dance, Native humour, metaphor, symbolism, rhythm, and the use of sign language will be studied.

CW 160E Units: 1.5 First Nations' Nonfiction

An examination of First Nations' nonfiction writing such as essays, autobiographies, biography, and political oratory, both in the modern and historic context.

CW 212E Units: 1.5 Structure in Cinema and Television Drama

A lecture course surveying the structural characteristics of screen drama, making use of published Aboriginal film and television scripts as well as indigenous film from other countries.

CYC

Child and Youth Care School of Child and Youth Care Faculty of Human and Social Development

CYC 100A Units: 1.5 Hours: 3-0 Formerly: part of 100, 200

Introduction to Professional Child and Youth Care Practice: Part One

Historical and contemporary conversations about the professional field of child and youth care and its diverse practices and contexts. Introduction to strength-based practice, inclusiveness, caring in context, normative development, and critical reflection. Emphasis on socially locating oneself, building relationships, processes of change, enhancing ethical discernment, promoting cultural competencies and a commitment to social justice, cultivating a professional orientation, and understanding theory in everyday practice.

Note: Credit will be granted for only one of 100A, 100, 200, 200A, 251.

CYC 100B Units: 1.5 Hours: 3-0 Formerly: part of 100, 200

Introduction to Professional Child and Youth Care Practice: Part Two

Continuation of 100A

Note: Credit will be granted for only one of 100B, 100, 200, 200B, 251.

Prerequisites: 100A.

CYC 101 Units: 1.5 Hours: 3-0 Introduction to Child and Youth Care Practice and Communications Technology

A communications technology-based introduction to the fundamental concepts, relationships and professions associated with the field of Child and Youth Care. Introduces key skill areas that will facilitate learner/practitioner success. Students will be introduced to the role and function of technology to support both life-long learning and child and youth care practice.

CYC 130 Units: 1.5 Professional Communications in Child and Youth Care

Development of communication skills, with a focus on the Aboriginal learner. Emphasis is on written expressions, through personally meaningful, career relevant assignments and co-operative learning embedded in the professional foundation of Child and Youth Care.

CYC 131 Units: 1.5 Child and Youth Care Practice in Indigenous Settings

Structured opportunities for learners to identify, visit and examine examples of child and youth care practice in their own locale and within their own cultural frame of reference. They will identify, describe and explore the significance of various forms of practice within the field. Students will identify mentors in their locale, network and do a survey of relevant services and sites in their community.

CYC 132 Units: 1.5 Indigenous Leadership in Child and Youth Care

An online course that develops the learner's understandings of various forms of leadership that can contribute to achieving Indigenous goals for children, youth, families and their communities. Learners will study historical and contemporary Indigenous leaders in fields related to children and youth with an emphasis on strategies, attributes, skills and achievements within their own cultural frame of reference and in broader contexts. Learners will conceptualize their

own career development as emerging leaders in the field of child and youth care.

CYC 152 Units: 1.5 Hours: 3-0 Formerly: 252

Introduction to Helping Skills in Child and Youth Care Practice

Focuses on introducing foundational helping and communication skills using video recording. The students explore the use of interpersonal and communication skills, helping strategies, and the development of therapeutic relationships within the context of the core elements of child and youth care practice.

Note: Credit will be granted for only one of 152, 252.

CYC 166A Units: 1.5 Formerly: 366A

Lifespan Development (Conception to Late Childhood)

Introduces students to concepts and models of how human behaviour is acquired, maintained, and modified. Focuses on human development from conception to late childhood as a knowledge base for practice with children, youth, and families.

Note: Credit will be granted for only one of 166A, 366A, 366.

CYC 166B Units: 1.5 Hours: 3-0 Formerly: 366B

Lifespan Development (Adolescence to Late Adulthood)

Introduces students to concepts and models of how human behaviour is acquired, maintained, and modified. Focuses on human development from adolescence to late adulthood as a knowledge base for practice with children, youth, and families.

Note: Credit will be granted for only one of 166B, 366B, 366.

CYC 171 Units: 1.5 Hours: 3-0 Formerly: 373

Introduction to Families: Issues, Patterns, and Processes

Conceptual frameworks and theories for understanding a variety of family challenges and difficulties. Takes an international perspective where issues related to parenting are compared and contrasted in terms of diversity (sexual orientation, ethnic affiliation/identity, gender, and socio-economic status). The ultimate goal is to help students to understand the diversity and complexity of family issues, patterns and processes in local and international contexts.

Note: Credit will be granted for only one of 171, 373.

CYC 205 Units: 3.0 Hours: 3-0 Formerly: 301

Applying Change Theory in CYC Practice

An introduction for students to various orientations towards planned change. How change occurs and how helping professionals can facilitate such change is the main focus. By critically reflecting on fundamental assumptions embedded in certain theories students can learn to integrate and synthesize knowledge into their counselling perspectives.

Note: Credit will be granted for only one of 205, 301, 351.

Prerequisites: Year 1 required CYC courses or equivalent.

CYC 210 Units: 1.5 Hours: 1-10 Supervised Practicum I

An opportunity to practice evolving CYC skills in an applied setting. Students work directly with children/youth in a supervised practice situation in order to promote professional skill acquisition and integrate the knowledge obtained through coursework. Students are required to complete 150 hours.

Note: Formerly 3.0 units.

Prerequisites: Year 1 required CYC courses or equivalent.

CYC 230 Units: 1.5 Hours: 3-0
Introduction to CYC Practice in Indigenous Contexts

An exploration of Indigenous perspectives and contexts, both historical and contemporary, in relation to practice with Indigenous children, youth, families and communities. Readings, activities, and assignments provide an historical overview of colonization and describe various strategies for supporting decolonization and culturally relevant practice.

Prerequisites: Second-year standing or permission of the department.

CYC 240 Units: 1.5 Hours: 3-0
Formerly: 340
Ethical Decision-Making in Child and Youth Care Practice

An introduction to historical theoretical perspectives in the western philosophy of ethics, an overview of decision-making models and current professional perspectives on ethics in Child and Youth Care/human service practice. Taught using experiential learning and critical thinking strategies designed to develop personal approaches to ethical choice making and a commitment to ethical practice and social justice. Students will develop an ethical decision-making framework for application to their current and future practice.

Note: Credit will be granted for only one of 240, 340.

Prerequisites: Second-year standing.

CYC 250 Units: 1.5 Hours: 3-0
Introduction to Law in Child and Youth Care Contexts

The Law as an expression of social policy, and the processes by which laws are developed, enacted and changed; Family Law and the Family Courts, with special reference to laws affecting children; human rights as they apply to social services; the organization of legal services and the legal accountability and liabilities of child and youth care workers, and others in the social service field.

Note: Credit will be granted for only one of 250, 350A, SOCW 350A.

Prerequisites: Second-year standing or permission of the department.

CYC 251 Units: 1.5 Hours: 3-0
An Introduction to Child and Youth Care for Human Services Diploma Students - Bridging Course One

An introduction to the field of CYC for students who are entering the BCYC program following successful completion of a human services diploma. Readings, practice scenarios, activities and assignments will encourage learners to integrate their existing knowledge and skills in the broader CYC field.

Note: Credit will be granted for only one of 251 or (100A, 100B).

Prerequisites: Permission of the department.

CYC 260 Units: 0.5, 1.0, 1.5 or 3 Hours: 3-0
Special Topics in Child and Youth Care

An opportunity to examine selected current issues in child and youth care.

Note: With approval of a faculty adviser, may be taken more than once for credit.

CYC 265 Units: 1.5 Hours: 3-0
Formerly: 465
Introduction to Group Work in Child and Youth Care Practice

A presentation, in an experiential format, of theoretical approaches and techniques related to the planning and facilitation of groups for children and youth.

Students will explore how to plan for, and to facilitate groups in a participatory, skill building, experiential learning format.

Note: Credit will be granted for only one of 265, 465.

Prerequisites: Year 1 required CYC courses or equivalent.

CYC 290 Units: 0.5, 1.0, 1.5 or 3.0
Directed Studies in Child and Youth Care

Research projects, additional course work or directed readings in a specified area.

CYC 310 Units: 4.5 Hours: 3-0
Supervised Practicum II

Students work directly with children/youth in a supervised practice situation in order to promote professional skill acquisition and integration. Emphasis is placed on observation and recording skills, understanding the structure and functioning of a service agency, and fostering the student's awareness of his or her functioning in relation to children, youth and agency workers. Attention is also given to developing beginning level case planning, intervention, and case presentation skills with both a one-to-one and a group focus. Students are required to complete 286 hours.

Note: Restricted to Child and Youth Care students.

Prerequisites: 166A and 166B or equivalent.

Corequisites: 205, 338.

CYC 310A Units: 4.5
Child and Youth Care Practicum by Prior Learning Assessment (PLA)

Students with significant work or volunteer experience in Child and Youth Care may complete the first CYC practicum by Prior Learning Assessment. Students will present evidence of their prior learning and practice experience in the form of a portfolio which specifically demonstrates the learning objectives and outcomes required in CYC 310.

Note: Restricted to Child and Youth Care students.

Prerequisites: Permission of the department.

CYC 338 Units: 3.0 Hours: 3-0
Applying Developmental Theory in Child and Youth Care Practice

Focuses on the application of contemporary child developmental theories and research, as well as cultural and social class theories, to child and youth care practice. These developmental theories will be applied using a multidimensional, culturally situated, developmental perspective to a wide variety of child and youth care situations, including a variety of biologically-based atypical developmental conditions. The interrelationships between applied child development and a variety of contexts such as family, peer group, school, community, domestic and global conditions will also be explored.

Prerequisites: 166A and 166B or equivalent, and 210 or equivalent.

CYC 350 Units: 1.5 Hours: 3-0
Formerly: 350B
Applying Law in Child Protection and Child and Youth Care Practice

An opportunity to put into practice the theoretical and legal foundation gained from the prerequisite course. Students will explore issues of diversity and the dynamics of law, Child and Youth Care practice in legal contexts, and ethical considerations within a legal framework. Students will practice specific skills in Child Protection work such as interviewing, documentation, context analysis, applying practice standards, interpreting law, critical analysis and reflective reviewing.

Note: Credit will be granted for only one of 350, 350B.

Prerequisites: 250 or equivalent.

CYC 351 Units: 3.0 Hours: 3-0
Applying Change Theory in CYC Practice with Contemporary Families

An exploration of the application of change theories in CYC work with contemporary families. Focuses on issues and techniques in assessment; case planning and intervention, while studying major therapeutic approaches, associated philosophies, goals, strategies and techniques. Practical models for case consultation, presentation and evaluation will also be covered. Upon completion, students will demonstrate competency in these professional practice areas, real and simulated, and analyze the relationship between professional knowledge, skills, values and individual styles.

Note: Credit will be granted for only one of 351, 205, 266, 356.

Prerequisites: Permission of the department.

CYC 356 Units: 1.5 Hours: 3-0
Formerly: 266
Child and Youth Care Practice with Families

Focuses on the various kinds of strategies used when working with families in a variety of settings. Using a strengths based approach, it covers interventions that promote positive ways of improving family patterns when difficulties are presented. Students will be introduced to a variety of interventions used to work collaboratively with family when changes are needed.

Note: Credit will be granted for only one of 356, 266, 351, 466.

Prerequisites: Year 1 required CYC courses completed or equivalent and 205.

CYC 360 Units: 0.5, 1.0, 1.5 or 3 Hours: 3-0
Special Topics in Child and Youth Care

An opportunity to examine selected current issues in child and youth care.

Note: With approval of a faculty adviser, may be taken more than once for credit. Also available for professional development.

CYC 361 Units: 1.5 Hours: 3-0
Supervision in the Human Services

Course content includes a range of supervisory roles and responsibilities, the stages through which each supervisory relationship passes, the obligations and limits related to the supervisory relationship, relevant communication skills, documentation formats, performance appraisal strategies, professional development strategies, personal leadership and supervisory styles, and contemporary issues related to the practice of supervision.

Note: Also available for professional development non-credit.

Prerequisites: Second-year standing, college diploma or permission of the instructor.

CYC 364 Units: 1.5
Disability and Child and Youth Care Practice

An introduction to disabilities for child and youth care practitioners. It includes an historic perspective on disability, demographics, definitions and conceptual models of disability and service delivery. Quality of life, inclusion, culture, legislation, public policy and ethical issues relating to persons with disabilities and their families are examined in this course.

Note: Credit will be granted for only one of 364, HSD 464, SOCW 469 (if taken prior to 2010).

Prerequisites: Second-year standing.

CYC 365 Units: 1.5 Hours: 3-0
Theory and Practice of the UN Convention on the Rights of the Child

Participants will increase their knowledge, skills, and self-awareness on the theory and application of the

UN Convention on the Rights of the Child. Students use a "hands on" approach to understand and apply the Convention. Students learn about the Convention and its relation to the Canadian Human Rights Framework, understand the role of international agencies, national, provincial, municipal, and treaty bodies in implementing the convention, and synthesize and apply this understanding through practice with children, families, cultures, and communities. A case study approach is used to critically examine the impact of this document across a range of program settings for children and families.

Note: Also available for professional development.

Prerequisites: Second-year standing, college diploma or permission of the department.

CYC 370 Units: 1.5 Hours: 3-0
Formerly: 474

Applying Assessment and Case Planning in Child and Youth Care Practice

Focuses on the skills necessary to working professionally with individuals, groups and families: intake interviewing needs and risk assessment, intervention planning and implementation, case management and reporting. Knowledge and skill in issues of abuse and neglect will be developed. Students will be required to apply change theory in a laboratory learning setting and produce professional documentation of their work. Feedback on skill application is provided in class and through video recordings.

Note: Credit will be granted for only one of 370, 474.

Pre- or corequisites: 205, 210.

CYC 374 Units: 1.5 Hours: 3-0
Promoting Positive Outcomes in Children's Environments

Designed for all practitioners who work with young children, an exploration of the relationships between risks, opportunities, and change in their environments. The key premise is the belief that practitioners can respond to situations of risk and promote positive outcomes for young children and their families by supporting healthy development and applying knowledge ethically and skillfully, within the children's environmental contexts.

Note: Also available for professional development.

Prerequisites: Second-year standing, college diploma or permission of the department.

CYC 379 Units: 1.5 Hours: 3-0
Also: HSD 470
Interdisciplinary Perspectives on Sub-Saharan Africa

An overview of key African issues, through presentations by University of Victoria professors with research and development interests in Africa. Topics include: pre-history and paleo-anthropology, literature and the arts, colonial and post-colonial histories, and contemporary issues such as governance, HIV-AIDS and human rights.

Note: Credit will be granted for only one of 379, HSD 470.

CYC 380 Units: 1.5 Hours: 3-0
Practices for Young Children and Families: Historical and Contemporary Perspectives

In this foundational course for the Early Years Specialization, the historical and philosophical trends that influence and shape services and policies for young children and their families will be examined. Students will investigate the roots of some of the current issues in the area of the early years through an applied analysis of local, national and international approaches to services and policies for young children and their families. This analysis will be framed within a social justice approach.

Prerequisites: Third-year standing.

CYC 381 Units: 1.5 Hours: 3-0
Leadership, Advocacy and Policy for the Early Years

Explores leadership, advocacy and policy within the context of key political debates and controversies affecting early years services. Key areas of study will include: creation of networks and relationships with governmental and non-governmental organizations; roles of advocacy groups concerned with services and decision-making processes within particular social, cultural, economic and cultural contexts; policy development; and the role practitioners play as advocates engaged in a global context.

Prerequisites: Third-year standing.

CYC 390 Units: 0.5, 1.0, 1.5 or 3.0
Directed Studies in Child and Youth Care

Research projects, directed readings, or additional course work in a specified area.

Note: May be taken more than once for credit in different topics.

CYC 410 Units: 4.5 Hours: 1-10
Advanced Supervised Practicum

This supervised practicum focuses on the student's chosen professional area of interest and provides an opportunity to apply case planning, intervention, and evaluation skills at an advanced level. Professional consultation, clinical functioning, and the integration of theory and practice are emphasized. Students are required to complete 286 hours.

Note: Restricted to Child and Youth Care students in their fourth-year of study.

Prerequisites: All required 300-level courses.

Corequisites: All required 400-level courses.

CYC 410A Units: 4.5 Hours: 1-10
Advanced Supervised Block Practicum

A condensed 4 month practicum within which students are required to complete 286 hours. Some practicums are block practicums only, such as Child Life and Child Protection. Check with a practicum coordinator for more information.

Note: Restricted to Child and Youth Care students in their fourth-year of study.

Prerequisites: All required 300- and 400-level courses with the exception of 475.

Corequisites: 475.

CYC 423 Units: 1.5 Hours: 3-0
Research Methods in Child and Youth Care

The design of research and evaluation in child and youth care. Within an applied research practitioner context, students will be introduced to the knowledge and skills necessary to locate, understand, and use research about child and youth care. Students will examine research/evaluation designs and methodologies for improving child and youth care practice.

Prerequisites: Third-year standing.

CYC 424 Units: 1.5 Hours: 3-0
Qualitative and Quantitative Analysis in Child and Youth Care

Provides students with a grounding in the techniques commonly used in the analysis of both quantitative and qualitative data in child and youth care as well as the logic of interpreting evaluation data. Students will explore how to interpret, analyze, code, and write about qualitative data. They will analyze quantitative, descriptive data to interpret relationships between variables and be introduced to inferential statistics.

Note: Credit will be granted for only one of 424, HSD 425.

Prerequisites: Third-year standing.

CYC 460 Units: 0.5, 1.0, 1.5 or 3 Hours: 3-0
Special Topics in Child and Youth Care

An opportunity to examine selected current issues in child, youth and family care.

Note: May be taken more than once for credit with permission of the faculty adviser.

CYC 461 Units: 1.5 Hours: 3-0
Child Life Practice in Hospitals and Community Settings

A foundation to child life practice in hospitals and community health care settings. Emphasis is placed on examining professional issues concerning child life specialists, the application of various conceptual frameworks, and theoretical perspectives to clinical practice within a multidisciplinary model in both hospital and community contexts.

Note: On-line delivery with mandatory on campus seminars.

Prerequisites: Fourth-year standing.

CYC 462 Units: 1.5 Hours: 3-0
Perspectives on Substance Use in Child and Youth Care Practice

An introductory course on substance use and its impacts, particularly in relation to working with children, youth, families and communities. Students are expected to understand and critically reflect on a range of perspectives, and related practice responses relevant to CYC practitioners. The historical, social and political contexts of substance use among Aboriginal peoples, women and youth will be explored.

Note: Credit will be granted for only one of 462, HSD 462.

Prerequisites: Second-year standing.

CYC 463 Units: 1.5 Hours: 3-0
Substance Use: Prevention and Treatment Approaches in Child and Youth Care Practice

An examination of current approaches to working with substance use at the individual, family and community levels. The intended outcomes and goals of treatment and prevention will be explored. Differing models of change as well as Aboriginal approaches to healing and gender-specific approaches to treatment and prevention will be studied. Emphasis will be placed on the identification of appropriate strategies for effective CYC practice.

Note: Credit will be granted for only one of 463, HSD 463.

Prerequisites: 462 or equivalent.

CYC 467 Units: 1.5 Hours: 3-0
Interdisciplinary Practice with Children, Youth and Families

Opportunities for applying the skills and knowledge essential for effective interdisciplinary practice with children and families in a CYC perspective. Explores the rationale for, and develops a critical analysis of, interdisciplinary practice. The contributions of different disciplines to addressing issues in child and family work will be featured.

Note: Credit will be granted for only one of 467, HSD 465, SOCW 465 (if taken prior to 2010).

Prerequisites: Third-year standing.

CYC 470 Units: 1.5 Hours: 3-0
Mental Health and Child and Youth Care Practice

An introduction to the cultural, philosophical, political, legislative and ethical history of mental health and mental illness. Includes an introduction to current assessment procedures within the mental health field including the use of DSM-IVR. The role of psychopharmacology will be explored in relation to other interventions. A strengths-based, holistic, and health promoting theoretical foundation will be presented as

a context in which to examine common issues in the mental health field.

Prerequisites: *Fourth-year standing.*

CYC 475 Units: 3.0 Hours: 3-0
Advanced Child and Youth Care Practice with Families and Groups

This advanced course focuses on the development of skills required for child and youth care practice with families and groups. In a supervised teaching setting, students will assess the needs of role-playing individuals, families and groups, and by applying appropriate intervention strategies, assist clients to achieve needs-related, desired outcomes.

Note: *Credit will be granted for only one of 475, 476.*

Prerequisites: *Year 3 required CYC courses.*

CYC 476 Units: 1.5 Hours: 3-0
Child and Youth Care Practice with Families

Focuses on the development of skills related to child and youth care practice with families. Students are required to apply theory through interventions for children, parents, and their families based on assessed needs and identified goals. Students work in a laboratory environment and receive feedback on their approaches and style in working with families.

Note: *Credit will be granted for only one of 476, 475.*

Prerequisites: *265 or 465 and 266 or 356 or 466.*

CYC 480 Units: 1.5 Hours: 3-0
Advanced Applied Capacity Building for the Early Years

The central focus will be the practitioner's roles in strengthening community capacity for early years care and development. Local, national and international case examples will be employed to explore the relationships between theory, practice and supportive policies. Students will undertake a major project designed to stimulate transformative processes in the provision of early year services within the context of communities.

Prerequisites: *Fourth-year standing.*

CYC 481 Units: 1.5 Hours: 3-0
Issues of Assessment and Evaluation with Young Children and Families

An exploration of: (a) processes of assessment of young children and families including their implications and effects within various cultural and economic contexts; (b) methods of program evaluation including ethical implications; impacts on programs, practitioners, communities, families and young children; and relevance to diverse cultural contexts.

Prerequisites: *Fourth-year standing.*

CYC 490 Units: 0.5, 1.0, 1.5 or 3.0
Directed Studies in Child and Youth Care

Research projects, directed reading, or additional coursework in a specified area.

Note: *May be taken more than once for credit in different topics.*

CYC 495 Units: 1.5
Advanced Seminar in CYC Theory, Research and Practice

Exploration of current topics in CYC theory, research and practice. Students' projects will apply the latest strategies for conducting qualitative and/or quantitative research. Students are expected to contribute to the field, while preparing themselves for graduate education.

Note: *Application information and deadlines will be available through the SCYC website.*

Prerequisites: *Permission of the department.*

CYCB

Indigenous Community-based Child and Youth Care
School of Child and Youth Care
Faculty of Human and Social Development

CYCB 110 Units: 1.5 Hours: 1.5-11
Practicum I: Community Care Settings For Children and Youth

Orients students to the field of child and youth care. Students have opportunities to meet local members of the profession and visit local programs and agencies serving children, youth, and their families. The structure of services and supports to children, youth and their families is explored within the context of a specific community. Elders and helping professionals address the service needs and current responses within the community. Students will also learn and practice methods of obtaining information about children's development through direct observation in formal and informal settings and will be supervised in making informed interpretations.

CYCB 111 Units: 1.5 Hours: 1.5-11
Practicum II: The Whole Child

Opportunities to begin participating with young children in early childhood care and education settings. Students will focus on observing young children across physical, emotional, social, cognitive and spiritual areas of development. While observing children, students will begin to develop an understanding of how to respond to children's needs and interests by planning and implementing activities that are developmentally and culturally appropriate. Students will become familiar with the roles and responsibilities of the early childhood practitioner by participating as a team member with staff and interacting with children and their families in communities under supervision.

Prerequisites: *110.*

CYCB 112 Units: 1.5 Hours: 1.5-11
Practicum III: The Child in the Curriculum

Further opportunities to learn about early childhood care and education settings. Students take increasing initiative and develop self-evaluative skills in planning and conducting activities and creating effective learning environments. Students will gain understanding of the roles and responsibilities of professional work by planning and implementing programs. The objectives also include developing awareness of practice in a variety of settings, learning appropriate care routines and developing good interpersonal skills for working with children.

Prerequisites: *111.*

CYCB 120 Units: 1.5 Hours: 4-0
Introduction to Play (ECCE)

Program planning for young children and the concept of learning through play. Explores the relationship between play and child development, the stages of children's play and factors that influence play. Encourages students to incorporate theories and research findings about play into a description of appropriate practice. In addition to text information, throughout the course Elders and students generate insights about play from the perspective of their own First Nation's culture.

CYCB 121 Units: 1.5 Hours: 4-0
Foundations of Curriculum Planning (ECCE)

Builds on the knowledge students acquired in Introduction to Play (CYCB 120). Provides students with the foundation knowledge and skills needed to plan culturally and developmentally appropriate programs for young children in their communities. Students are introduced to the guidelines for curriculum planning. Students explore three common philosophies of pro-

gram planning with an introduction to specific contact areas while discussing the role of the child, the educator and the parent. Throughout the course Elders and students generate insights into program planning from the perspective of their own community and culture.

Prerequisites: *120.*

CYCB 122 Units: 1.5 Hours: 4-0
Curriculum Design and Implementation (ECCE)

Builds on the knowledge students acquired in Introduction to Play (CYCB 120) and Foundations of Curriculum Planning (CYCB 121). Provides students with expanded experiences in designing and implementing programs for preschool children. Specific curriculum content areas of art, music, math, science and social studies are further developed in the context of refining program planning developed in the two previous courses. Throughout the course Elders and students generate insights into planning for children from their own community and culture.

Prerequisites: *120, 121.*

CYCB 123 Units: 1.5 Hours: 4-0
The Caring and Learning Environment (ECCE)

Taken either concurrently or after Curriculum Design and Implementation (CYCB 122), studies the total environment of a child care facility and the integration of these environmental elements. Students investigate theories of building environments that nurture and educate, design and plan such environments, and examine ways of administering and managing these environments. Acknowledges and builds on the knowledge of learning environments and content areas that students have previously studied, and includes activities intended to elicit from them the perspectives of their own experience. Throughout the course Elders and students generate insights into learning environments from the perspective of First Nations cultures.

Pre- or corequisites: *122.*

CYCB 140 Units: 1.5 Hours: 4-0
Introduction to Human Behaviour

An overview of the principles that guide the scientific study of human behaviour. The child and youth care profession rests on a large and constantly expanding base of research. Introduces students to some of that research. Students learn the terminology and theories that serve as a foundation for future coursework in child and youth care. Throughout the course Elders and students generate insights into human behaviour from the perspective of their own culture.

CYCB 141 Units: 1.5 Hours: 4-0
Child Development I

Introduces students to normative child development from conception to toddlerhood. Includes an overview of the major themes and theories in child development addressing research in the areas of physical, intellectual, and psychosocial development. As well as including insights from major researchers and theorists whose roots lie in western traditions, builds on traditional practices and theories of the First Nations community by including Elders' teachings and experiences of the students.

CYCB 142 Units: 1.5 Hours: 4-0
Child Development II

A continuation of the study of child development from early childhood to late adolescence addressing perspectives on physical, intellectual, psychosocial, and moral development of children and youth. Acknowledges and builds on the knowledge of child development that students already possess, and it includes activities intended to elicit from them the perspectives of their own experience. Throughout the course Elders and students generate insights into child development from the perspective of their own community and culture.

Prerequisites: 141.

CYCB 150 Units: 1.5 Hours: 4-0
Interpersonal Communications

Introduces students to the characteristics and dynamics of interpersonal communications. Provides an opportunity for students to consider their own communication practices, and gain personal awareness. They also improve their skills in the areas of self-concept, personal learning styles, perception, verbal and nonverbal communication, active listening, understanding of relationships, and the expression of feelings. Throughout the course, Elders and students give insights into interpersonal communications from the perspective of their own culture. Students also produce a portfolio that represents their reflection on and integration of the course material.

CYCB 151 Units: 1.5 Hours: 4-0
Communicating with Children and Guiding Children's Behaviour

Introduces students to methods of communicating with children that help foster positive child development. Provides an introduction to three theoretical approaches to guiding children. Students identify and practice effective methods of communicating with children within the context of various theoretical approaches. Throughout the course the perspectives of the First Nation's community regarding communicating with children and guiding children's behaviour are elicited from Elders and students.

CYCB 210 Units: 1.5-6.0 Hours: 4-0
Practicum with Developmental Specialization

Students will develop programs and routines that are specialized for supporting healthy development with specific age groups, such as infants and toddlers, school-age children, or adolescents. Students will study practical aspects of care such as safety and appropriate guidance. Students will learn how to build program curriculum based on developmental needs and use evaluation to amend and enhance programming. The development of resources and community contacts will also be an essential part of the practicum.

CYCB 211 Units: 1.5-6.0 Hours: 4-0
Practicum in Supported Child Care for Children with Special Needs

This practicum focuses on meeting the specific needs of a child or children in the context of culture, community and family. Students may choose options such as creating inclusive curriculum, working through the steps of developing support plans in consultation with team members, or implementing aspects of existing support plans. Students will be required to investigate and work with local resources, including professionals who provide specialized support, which are culturally appropriate and enhancing.

CYCB 220 Units: 1.5 Hours: 4-0
Introduction to School-Age Care (CYC)

An overview of school-age care. Students explore the needs and interests of children, families, and care providers regarding school-age care. They explore the developmental needs of school-age children, and consider the implications of children's developmental needs for school-age practice. In addition, students are introduced to planning and implementing a program of care for diverse groups of school-age children. Acknowledges and builds on the knowledge that students already possess, and includes activities intended to elicit students' perspectives based on their own experience. Throughout the course Elders and students generate insights into the care of school-age children from their own community and culture.

Note: Elective.

CYCB 221 Units: 1.5 Hours: 4-0
Introduction to Programs For Adolescents (CYC)

An overview of adolescent development and supportive work with youth. Students learn the importance of understanding the psychological and sociological context within which youth live. They learn how to identify issues to which workers might be required to respond, how to become informed about these issues, and how they relate to the cultural context in which particular adolescents live. In addition, students explore intervention possibilities and how these interventions relate to specific issues in particular cultural contexts. Acknowledges and builds on the knowledge of adolescents that students already possess, and includes activities intended to elicit students' perspectives of their experience. Throughout the course, Elders and students will work from the perspective of their own community and culture to generate knowledge about supporting adolescents.

Note: Elective.

CYCB 222 Units: 1.5 Hours: 4-0
Program Development for Infants and Toddlers

Developing child care programs for children (0-2 years). Theories of caring and attachment as a foundation to care routines will be studied. Students will explore culturally specific approaches through consultation with respected community members. Using an ecological model that situates child care within social systems, students will develop partnerships with families and community networks and explore ways to access resources within and beyond their communities.

Note: Elective.

CYCB 230 Units: 1.5 Hours: 4-0
The Ecology of Health, Safety and Nutrition for Children

Methods of meeting children's needs for health, safety and nutrition vary according to culture and environment, so this course will explore the needs of children in the communities where learners plan to work. Traditional ways of ensuring health and safety will be considered alongside strategies for educating and working with parents, families and community members. Students will identify a community health issue, identify health indicators, and explore community-based solutions.

Note: Elective.

CYCB 231 Units: 1.5 Hours: 4-0
Administration of Child Care Facilities

The essentials of administering a child care facility on and off reserve will be explored including: staffing management; program development; budget management; implementing statutory regulations and meeting regional health standards. Students will be required to plan and design a new childcare facility, including identifying and meeting all appropriate regulations and standards for quality. Students will formulate an illustrative set of policies to establish practice principles appropriate to the context of their community.

Note: Elective.

CYCB 240 Units: 1.5 Hours: 4-0
Introduction to Supported Child Care for Children with Special Needs

An exploration of a range of methods for meeting the needs of children who require additional supports. Focuses on planning for inclusive child care while incorporating environmental and contextual supports, including the family. Students will examine the principles of inclusive child care within the current policy and statutory environment. Students will locate resources within the context of rural practice and critically examine the principle of cultural responsiveness in inclusive child care.

Note: Elective.

CYCB 250 Units: 1.5 Hours: 4-0
Introduction to Planned Change

Introduces students to the components of helping relationships and models of helping used by professional child and youth care practitioners and provides opportunities to understand planned interventions within historical First Nations contexts. Students will explore the interpersonal dimensions of child and youth care practice in relation to supporting children, youth and families. Throughout the course Elders and students will generate insights into professional helping skills from the perspectives of their First Nations culture(s).

CYCB 251 Units: 1.5 Hours: 4-0
Communication Skills for Professional Helpers

Acknowledges and builds on prior knowledge of communication skills and includes activities that elicit perspectives emerging from their own experience. Designed to provide students with opportunities to learn and practice helping skills used by professional child and youth care workers in situations requiring interventions. Throughout the course the perspectives of the aboriginal community re: communication skills for professional helpers will be elicited from Elders and students.

CYCB 260 Units: 0.5, 1.0, 1.5 or 3 Hours: 3-0
Special Topics in Child and Youth Care

An opportunity to examine selected current issues in child and youth care.

Note: With approval of a faculty adviser, may be taken more than once for credit.

CYCI

Child and Youth Care International
School of Child and Youth Care
Faculty of Human and Social Development

CYCI 460 Units: 1.5 Hours: 3.0
Special Topics

Topics vary according to learner priorities and context. Topics have included (and may include in future): Studies of Early Childhood Development (ECD) Policy Analysis, Development and Implementation; Quality in ECD Programming; Networking; and Information Technology Skills for ECD.

Note: Two special topics courses in Child and Youth care are required for completion of the Professional Specialization Certificate in International Child and Youth Care.

CYCI 484 Units: 1.5 Hours: 3-0
Historical and Contemporary Theoretical Perspectives in Early Childhood Care and Development

Commencing with activities focusing on data collection and critical analysis, the student will: 1) gather data regarding a key Early Childhood Development issue in the country; 2) critically analyze those data in terms of the social, cultural, historical and philosophical forces that have impacted and shaped the issue, 3) develop an Action Plan designed to effectively address the issue, and 4) evaluate the effectiveness of the implemented Action Plan.

CYCI 485 Units: 1.5 Hours: 3-0
Child and Adolescent Development in Context

Supports learners in furthering their understandings of the holistic development of children in different contexts. Focus is on inputs to child development including biology, health, nutrition, gender, socialization, formal and informal schooling, physical environment, culture, religion, politics, and economics. A *bio-ecocultural* model will be used as a template for understanding determinants of development in various contexts.

CYCI 486 Units: 1.5 Hours: 3-0
Professional Leadership in Early Childhood Care and Development

Effective leadership in organizations and an examination of leadership in the context of managerial work. Consistent with a holistic perspective, participants will begin exploring leadership from the personal perspective before moving out to investigate organizational, community and global contexts. Participants will centre on their own leadership or management style and identify areas of strength and growth to focus in a stronger way, their learning experience throughout the program.

CYCI 487 Units: 1.5 Hours: 3-0
Models, Programs and Strategies for Intervention in Early Childhood Care and Development

An international holistic, ecological approach to Early Childhood Care and Development (ECCD) programming models. Learners will gain an understanding of ECCD programming principles, assessment techniques, processes for setting project goals and making programming choices, as well as what is required for program implementation, evaluation and financing, by completing an in-depth analysis of an existing program.

ECON

Economics

Department of Economics
Faculty of Social Sciences

ECON 100 Units: 1.5, formerly 3 Hours: 3-0
The Canadian Economy - Problems and Policies

A discussion of some of the important issues in economic decision making in both private and public sectors of the Canadian economy with an introduction to the basic concepts of economic analysis.

Notes: - Not open for credit to students registered in or with credit in 103 or 104.

- Students wishing to proceed into the Commerce program at the University of British Columbia are advised to take 103 or 104 in their first year.

ECON 103 Units: 1.5 Hours: 3-1
Formerly: 201
Principles of Microeconomics

The principles of microeconomic analysis with special reference to the theory of demand, the theory of the firm and the theory of distribution.

Note: Credit will be granted for only one of 103, 201, ENGR 280, ADMN 310. ECON 100 and 103 cannot be taken concurrently.

Prerequisites: Mathematics 12 or MATH 120 is recommended.

ECON 104 Units: 1.5 Hours: 3-1
Formerly: 102
Principles of Macroeconomics

The principles of macroeconomic analysis with special reference to fluctuations in income and prices, monetary and fiscal policies for economic stabilization.

Note: Credit will be granted for only one of 104, 202, ECON 100 and 104 cannot be taken concurrently.

Prerequisites: Mathematics 12 or MATH 120 is recommended.

ECON 111 Units: 1.5 Hours: 3-0
The Economy and the Environment

Investigates the linkages between economic activity and the environment. Studies the relationships between economic growth, trade, urbanization and the global environment, with a particular focus on urban air pollution, water pollution, hazardous waste, solid

waste management, and climate change. Environmental policy design, in both developed and developing countries, is the central unifying theme of the course. The course is non-technical in nature and does not require any background in economics or environmental studies.

Note: Credit will not be granted for 111 if 381 or ES 312 have already been completed. ECON 111 and 381 or ES 312 cannot be taken concurrently.

ECON 112 Units: 1.5 Hours: 3-0
Strategy, Conflict and Co-operation

A non-technical introduction to game theory, the study of interactive decision making. Presented by illustrations drawn variously from economics, politics, law, history, biology, psychology and current affairs.

Prerequisites: Math 12 recommended.

ECON 113 Units: 1.5 Hours: 3-0
Introduction to Economics for Policy Analysis

A non-technical introduction to key concepts in economics and their application to the design of public policy. Begins by examining the role of markets in the allocation of resources in society, and circumstances under which policy intervention may be justified. Examines a variety of contemporary policy issues from an economic perspective. Issues may include health care, education, environmental policy, industry regulation, urban development, welfare reform and child care provision. Requires no prior knowledge of economics.

ECON 203 Units: 1.5 Hours: 3-1
Intermediate Microeconomics I

An examination of the theories of consumer demand; production and cost; the firm and market under conditions of perfect competition, monopoly, monopolistic competition and oligopoly; factor markets and distribution; and welfare economics.

Note: Credit will be granted for only one of 203, 300, 302, 304A. ECON 203 and 205 cannot be taken concurrently.

Prerequisites: 103 or ENGR 280; MATH 102 or 100.

ECON 204 Units: 1.5 Hours: 3-0
Intermediate Macroeconomics

Theories of aggregate economic behaviour; the determination of national income and employment, consumption, investment, inflation, growth and fluctuations, economic policy.

Note: Credit will be granted for only one of 204, 301, 303, 304B.

Prerequisites: 103 and 104; MATH 102 or 100.

ECON 205 Units: 1.5 Hours: 3-0
Managerial Economics

Basic microeconomic theory and optimization techniques and their application to managerial decision making. Topics include demand, production, and cost analysis; market structure and pricing practices; and regulation. Course also examines estimation, forecasting, international implications, and case studies.

Note: Credit will not be granted for 205 if 203 or 302 has already been completed. ECON 203 and 205 cannot be taken concurrently.

Prerequisites: 103 or equivalent.

ECON 225 Units: 1.5 Hours: 3-0
Writing for Economists

Extensive practice in written technical and non-technical composition. Basic grammar will be reviewed, including sentence syntax, punctuation, and paragraph construction. Students will be exposed to the correct style for the various documents they are likely to encounter.

Note: A comprehension and writing test will be given in the first seven calendar days of the course. Students receiving low scores on the test will be

required to attend supplementary language/writing tutorials that will run parallel with the course.

Prerequisites: 103, 104; 1.5 units of first year English.

ECON 245 Units: 1.5 Hours: 3-1
Formerly: 240
Descriptive Statistics and Probability

Populations, samples, measures of central location and dispersion. Deterministic time series analysis: trends, moving averages, seasonal adjustment, index numbers. Probability laws. Discrete and continuous random variables. Joint, marginal, and conditional distributions. Mathematical expectation and variance. Functions of random variables; laws of expectation. Covariance and correlation. Binomial, Poisson, and normal distributions.

Note: Credit will be granted for only one of 245, 240. See Credit Limit, page 32.

Prerequisites: MATH 100 or 102; or permission of the department.

Pre- or corequisites: Prerequisite: 100, or corequisite: 103 or 104.

Prerequisite: MATH 100 or 102; or permission of the department.

ECON 246 Units: 1.5 Hours: 3-1
Formerly: 340
Statistical Inference

Estimation, confidence intervals and hypotheses tests. Simple regression and correlation. Multiple regression; t and F tests.

Note: Credit will be granted for only one of 246, 340, STAT 251, STAT 261, STAT 256 (if taken prior to September 2004). See Credit Limit, page 32.

Prerequisites: 245 or STAT 260; MATH 100 or 102.

ECON 305 Units: 1.5 Hours: 3-0
Money and Banking

The principles of money, credit creation and banking; organization, operation and control of the banking system; and the relationship between the quantity of money and the level of economic activity.

Prerequisites: 103, 104.

ECON 306 Units: 1.5 Hours: 3-0
International Economics

An introduction to international trade and finance. Topics include determinants of trade, balance of payments, and policy issues of current interest. The latter may include the political economy of tariffs, bilateral and multilateral trade negotiations, trade and development.

Note: Credit will not be granted for 306 if 405A has already been completed.

Prerequisites: 103, 104, 225.

ECON 310A Units: 1.5 Hours: 3-0
Formerly: half of 310
Industrial Organization

An examination of the effects of competitive, monopolistic and oligopolistic market structures on market behaviour, performance and economic welfare. Special attention is paid to Canada.

Note: Credit will be granted for only one of 310A, 310.

Prerequisites: 103

ECON 310B Units: 1.5 Hours: 3-0
Formerly: half of 310
Industrial Organization and Public Policy

An examination of the relationship between industrial organization and the relevant public policy in Canada. Special attention is paid to maintaining competition, the Competition Act and elements of public regulation.

Note: Credit will be granted for only one of 310B, 310.

Prerequisites: 310A.



ECON 311A Units: 1.5 Hours: 3-0
The Economic Analysis of Property and Contract

An introduction to the economic analysis of law and legal institutions as applied to property and contract, and related topics.

Note: Credit will be granted for only one of 311A, 308, 408, 408A, 408B.

Prerequisites: 103, 104; 203 recommended.

ECON 311B Units: 1.5 Hours: 3-0
The Economic Analysis of Tort and Crime

An introduction to the economic analysis of law and legal institutions as applied to tort and crime, and related topics.

Note: Credit will be granted for only one of 311B, 308, 408, 408A, 408B.

Prerequisites: 103, 104, 311A; or permission of the instructor; 203 recommended.

ECON 312 Units: 1.5 Hours: 3-0
Urban Land Economics

Applications of economic principles to the economic role of cities and the spatial structure of urban areas. Topics include land use and the built environment, urban external effects and land use, land use planning and the urban land market, and the role of cities as centres of consumption and production.

Note: Credit will be granted for only one of 312, 412, ADMN 445.

Prerequisites: 103.

ECON 313 Units: 1.5 Hours: 3-1
Intermediate Microeconomics II

Selected topics may include intertemporal choice, the organization of the firm, imperfect competition in product markets, discrimination in labour markets, basic game theory, "lemons" models, and additional topics in distribution and welfare economics not included in 203 or 302.

Note: Credit will be granted for only one of 313, 300.

Prerequisites: 203; MATH 102 or 100.

ECON 314 Units: 1.5 Hours: 3-0
 Formerly: half of 301
Topics in Macroeconomics

Selected topics may include the theory of stabilization policy, government deficits and debt, wage and price adjustment, growth and cycles, theories of consumption, investment, money demand and money supply, and international macroeconomics.

Note: Credit will be granted for only one of 314, 301.

Prerequisites: 204.

ECON 317 Units: 1.5 Hours: 3-0
The Economics of Canadian Health Care

An analysis of resource allocation in the Canadian health care sector. Topics include the special characteristics of health care goods and services, market failures in the health care sector, economic modelling of the consumption and production of health care, and current issues in the economics of health care.

Prerequisites: 103.

ECON 320 Units: 1.5 Hours: 3-0
Economic Development

An introduction to issues and policy problems faced by developing countries. Covers key principles, concepts and measurement issues, empirical facts, and analytical perspectives associated with economic development. Topics will include human development, inequality and poverty, population growth, education, health, and agriculture and rural development. Topics may also include urbanization and migration, role of credit markets, globalization, environment, and other current issues in development.

Prerequisites: 103, 104, 225.

ECON 321 Units: 1.5 Hours: 3-0
The Economic History of Canada

The story of long-run economic growth and welfare in the Canadian economy, with the aid of economic analysis, quantitative data and other historical materials. Emphasis on the development of the Canadian economy from a resource-based economy to a developed industrial economy within an international setting.

Prerequisites: 103, 104, 225.

ECON 325 Units: 1.5 Hours: 3-0
Public Finance

Examination of taxation and expenditure policies with an emphasis on Canada. Microeconomic effects of these policies will be examined in detail.

Prerequisites: 103.

ECON 327 Units: 1.5 Hours: 3-0
Economic History of North America

The economic history of the United States, Canada, and Mexico over the period 1750-1950. Topics to be covered include the settling of the frontier and the development of farming; water and rail borne infrastructure, especially sail and steam shipping and the impact of the railroads; slavery and the cotton South; mercantilism, protectionism and industrialization; and immigration and population growth.

Prerequisites: 103, 104, 225.

ECON 328 Units: 1.5 Hours: 3-0
Economic History of the Pacific Rim

The economic history of the countries of Asia and Latin America having a Pacific Ocean coastline. The main focus is the period 1500 to 1940, namely when European exploration and colonialism dominated the region. Topics include trade, including the slave trade, mercantilism, the impact of European industrialization on economic relations, and the emergence of Japan as an industrial power.

Prerequisites: 100 or 104, or permission of the department; 225.

ECON 329 Units: 1.5 Hours: 3-0
Development and Economics

Introduction for non-economics students to issues faced by developing countries. Topics include poverty alleviation, health and education, child and gender issues, urbanization, and globalization. Roles of international aid, non-governmental organizations (e.g., micro credit), and social institutions in development may also be examined.

Note: Credit for this course will not be counted toward degree programs in Economics.

Prerequisites: Second-year standing.

ECON 333 Units: 1.5 Hours: 3-0
Introduction to Economic Growth

An introduction to the theory of economic growth. The stylized facts of growth. The Solow growth model. Empirical applications: the role of human capital, and the convergence debate. The economics of ideas; endogenizing technical change.

Prerequisites: 204.

ECON 337 Units: 1.5 Hours: 3-0
 Formerly: part of 307
History of Economic Thought to 1870

Economics from Mercantilism up until the Marginal Revolution. Most attention will be devoted to the "Classical" contributions of Smith, Malthus, Ricardo, J.S. Mill and Marx.

Note: Credit will be granted for only one of 337, 307.

Prerequisites: 103, 104, 225.

ECON 338 Units: 1.5 Hours: 3-0
 Formerly: part of 307
History of Economic Thought Since 1870

Economics from the Marginal Revolution of the 1870s until recent times. Most attention will be devoted to Marshall, Walras, and Keynes.

Note: Credit will be granted for only one of 338, 307, 337 recommended.

Prerequisites: 103, 104, 225.

Pre- or corequisites: 203 or 205.

ECON 339 Units: 1.5 Hours: 3-0
 Formerly: 439
Economics of the Family

An introduction to the theoretical and empirical literature on the allocation of labour and resources within households, and its relation to labour force outcomes. Topics may include: human capital decisions; gender roles; household production; labour force participation; the economics of marriage and divorce; the valuation of unpaid work in national income accounting; child care; gender and development.

Note: Credit will be granted for only one of 339, 439.

Prerequisites: 103 and 104; or permission of the department.

ECON 345 Units: 1.5 Hours: 3-1
Applied Econometrics

An intuitive development of the basic concepts and techniques in econometrics. The emphasis is on the application of econometric concepts and techniques in analyzing economic phenomena.

Note: Credit will not be granted for 345 if credit has already been received for either one of 365, 445. Cannot be taken concurrently with 365 or 366.

Prerequisites: 103 and 104, and 246 or equivalent; MATH 102 or 100; ECON 203 and 204 recommended.

ECON 350 Units: 1.5 Hours: 3-1
 Formerly: 250
Mathematical Economics I: An Introduction to Static Methods

An introduction to the application of calculus and linear algebra to selected problems in microeconomic and macroeconomic theory.

Note: Credit will be granted for only one of 350, 250.

Prerequisites: MATH 208 or 140 or 103.

Pre- or corequisites: 203.

ECON 351 Units: 1.5 Hours: 3-0
 Formerly: 251
Mathematical Economics II: An Introduction to Dynamic Methods

Difference equations, differential equations, and dynamic optimization with applications to economics.

Note: Credit will be granted for only one of 351, 251.

Prerequisites: 350 or 250.

ECON 353 Units: 1.5 Hours: 3-1
Computer Aided Modelling in Economics

An introduction to numerical methods and their application in economics.

Prerequisites: 103 and 104, and 246 or equivalent; MATH 208 or 140 or 103; CSC 105 or 110; ECON 350 or 250 recommended.

ECON 365 Units: 1.5 Hours: 3-1-1
Econometrics: Part I

Principles of econometrics with applied examples. Estimation of the regression model; sampling properties of estimators; testing restrictions; restricted least squares. Topics may also include: generalized least squares and the maximum likelihood estimation principle.

Note: Credit will be granted for only one of 365, 445.

Prerequisites: 103 or 104; 246 or equivalent; MATH 208 or 140 or 103, or MATH 100, 101, and 110 or 211.

ECON 366 Units: 1.5 Hours: 3-0
Econometrics: Part II

Principles of econometrics with applied examples. Dummy variables; multicollinearity; stochastic regressors; instrumental variables estimation; seemingly unrelated regressions. Topics may also include: generalized least squares; maximum likelihood; aspects of specification analysis; dynamic models; simultaneous equation models.

Note: Credit will be granted for only one of 366, 445.

Prerequisites: 365.

ECON 370 Units: 1.5 Hours: 3-0
Labour Economics

Aspects of labour supply and demand, and wage structures. Topics may include: the allocation of time, retirement, unemployment insurance, education and training, male-female wage differentials.

Note: Credit will be granted for only one of 370, 315.

Prerequisites: 203 or 205.

ECON 371 Units: 1.5 Hours: 3-0
Formerly: half of 315
Economics of Work and Pay

Selected topics may include design of optimal compensation systems, labour markets internal to the firm, trade unions, unemployment, personnel economics, discrimination, and labour mobility.

Note: Credit will be granted for only one of 371, 315.

Prerequisites: 370 or permission of the department.

ECON 381 Units: 1.5 Hours: 3-0
Also: ES 312
Formerly: 330
Environmental Economics I

An introduction to the economic analysis of environmental problems. In particular, an examination of policy interventions in cases where market activities result in socially undesirable impacts on the environment. Topics typically include: externalities; pollution control policy; climate change; public goods; time, uncertainty and the environment; and trade and the environment.

Note: Credit will be granted for only one of 381, 330, ES 312.

Prerequisites: 103.

ECON 382 Units: 1.5 Hours: 3-0
Formerly: part of 430A
Natural Resource Economics I

Introduces students to economic issues and public policies specific to the use and management of natural resources. Explores economic principles for the efficient allocation of renewable and nonrenewable natural resources over time. Topics typically include a review of current natural resource issues affecting Canada, with particular focus on British Columbia, and policies for the management of forests, water, mineral, petroleum and marine resources, and the conservation of biological diversity.

Note: Credit will be granted for only one of 382, 430A.

Prerequisites: 103.

ECON 383 Units: 1.5 Hours: 3-0
Climate Economics

Introduces complex issues related to the interaction between the economy and climate, and simple tools of economics used to analyze climate-related problems. Role of energy and governance in economic development. Use of economic principles to quantify human influence on climate, evaluate the IPCC's emissions scenarios, develop instruments for addressing greenhouse gas emissions reductions, compare competing policies for addressing climatic

change, and analyze the prospects of proposed solutions to global warming.

Note: Credit for this course will not be counted toward degree programs in Economics, but Economics students may take this course as an elective.

Prerequisites: Second-year standing.

ECON 400 Units: 1.5 Hours: 3-0
Advanced Microeconomic Theory

Selected topics in microeconomic theory.

Note: Credit will be granted for only one of 400, 440.

Prerequisites: 203 and 350 or 250. Open only to students admitted to the BSc Honours Program, or with permission of the department.

Pre- or corequisites: 225.

ECON 401 Units: 1.5 Hours: 3-0
Advanced Macroeconomic Theory

Selected topics in macroeconomic theory.

Prerequisites: 204 and 350 or 250, and 351 or 251. Open only to students admitted to the BSc Honours Program, or with permission of the department.

Pre- or corequisites: 225.

ECON 405A Units: 1.5 Hours: 3-0
International Trade Theory

The study of international trade theory and policy with emphasis on general equilibrium analysis. Topics include the factor proportions theory of trade, technological determinants of trade, the theory of tariffs and trade policy, models of strategic interaction between countries.

Prerequisites: 203 or 302; 350 or 250.

Pre- or corequisites: 306, 225.

ECON 405B Units: 1.5 Hours: 3-0
International Monetary Theory and Policy

A study of international monetary economics, including such topics as foreign exchange markets, Keynesian and monetarist mechanisms of adjustment, forward exchange markets, alternate exchange rate systems, capital mobility and open economy macroeconomic policies.

Prerequisites: 203 or 300 or 302, and 204 or 301 or 303.

Pre- or corequisites: 225.

ECON 406 Units: 1.5 Hours: 3-0
Monetary Economics

Monetary economics studied in the context of overlapping generations models. Barter and commodity money; fiat money and inflation; international monetary systems. Financial intermediation, banking, and the money supply. Deficits and the national debt; saving and investment.

Prerequisites: 204, 313; 305 recommended.

Pre- or corequisites: 225.

ECON 407 Units: 1.5 Hours: 3-0
Topics in the History of Economic Thought

Seminar in selected issues in the History of Economic Thought. Topics will include a detailed examination of Adam Smith's *Wealth of Nations* and Alfred Marshall's *Principles of Economics*. Other topics may vary from year to year.

Prerequisites: 203, 204, 225.

ECON 410A Units: 1.5 Hours: 3-0
Problems of Canadian Microeconomic Policy

Selected topics involving the application of microeconomic analysis to Canadian problems and policies; topics vary but generally include education, health care, regulation and competition policy with an emphasis on current affairs.

Note: Credit will be granted for only one of 410A, 410.

Prerequisites: 203

Pre- or corequisites: 225.

ECON 410B Units: 1.5 Hours: 3-0
Problems of Canadian Macroeconomic Policy

Selected topics involving the application of macroeconomic analysis to Canadian problems and policies in the areas of unemployment, inflation and economic growth.

Note: Credit will be granted for only one of 410B, 410.

Prerequisites: 204.

Pre- or corequisites: 225.

ECON 411 Units: 1.5 Hours: 3-0
Topics in the Economic Analysis of Law

A seminar course investigating selected topics chosen from property law, contract law, tort law, family law and constitutional law.

Prerequisites: 203, and 311A or 311B, or permission of the department.

Pre- or corequisites: 225.

ECON 414 Units: 1.5 Hours: 3-0
Regional Economics

Consideration of the problem of regional economic disparities. Theories of migration, location and regional economic growth. Techniques for analyzing aspects of the regional problem, including cost-benefit analysis, regional accounting, shift share analysis, multiplier analysis. Policy issues relating to the problem.

Prerequisites: 203, 204.

Pre- or corequisites: 225.

ECON 415 Units: 1.5 Hours: 3-0
Topics in Labour Economics

Selected issues in labour economics will be studied using both theoretical and econometric tools. Topics may include the economics of education, the worker-employer matching process, the economics of discrimination, and the unemployment insurance system.

Prerequisites: 203, and 345 or 365.

Pre- or corequisites: 225.

ECON 416 Units: 1.5 Hours: 3-0
Cost Benefit Analysis: Principles and Application

Principles of cost benefit analysis including consideration of welfare economics, the treatment of intangibles, nonefficiency considerations, time discounting, evaluation criteria, uncertainty and risk, selected applications in such areas as human resource economics, natural resource and recreation economics, economic development and urban planning.

Prerequisites: 203.

Pre- or corequisites: 225.

ECON 420 Units: 1.5 Hours: 3-0
Theory of Economic Development

An advanced course in the economics of development with reference to developing countries. Students will learn to analyze issues and policy problems faced by developing countries using formal economic models. Topics may include: theories of growth, agriculture, demography and labour markets, education and health, rural credit markets, globalization, and market and non-market institutions.

Prerequisites: 203, 204, 313, 320.

Pre- or corequisites: 225.

ECON 421 Units: 1.5 Hours: 3-0
European and International Economic History

The rise of capitalism and the Industrial Revolution especially in Western Europe. The British experience and comparative rates of growth in European countries, with some attention to the transference of industrialization techniques to non-European countries.

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Prerequisites: 203, 204, 225.

ECON 422 Units: 1.5 Hours: 3-0 **Issues in European Economic Integration**

Various aspects of the economics of European integration are covered in this course, including agricultural, forestry and environmental issues; the development of macroeconomic institutions; competition and industrial policy; tax policy and social choice. The course will be team taught.

Prerequisites: 203, 204.

Pre- or corequisites: 225.

ECON 425 Units: 1.5 Hours: 3-0 **Economic Growth in Early Modern and Modern Japan**

Focuses on three paradigms for analyzing economic growth: the neoclassical paradigm (emphasizing exogenous or endogenous growth, and the theory of implicit contracts); the political economy model (emphasizing government intervention and policy), and the evolutionary approach. These three models are developed and each is used to shed light on economic growth in Japan between 1600 and the present.

Prerequisites: 204, 225.

ECON 426 Units: 1.5 Hours: 3-0 **Institutional Economics**

A discussion and comparison of the two major traditions of institutional economics: the American Institutionalism of Veblen, Commons and Mitchell and the "New" Institutionalism associated with Austrian and neoclassical approaches. Topics covered will include the evolution and economic functioning of social norms and conventions, common and statute law, and economic organizations.

Prerequisites: 203.

Pre- or corequisites: 225.

ECON 428 Units: 1.5 Hours: 3-0 **Economic Development of the Postwar Pacific Rim**

The economic development of Japan, Korea, Taiwan, Hong Kong, China, Indonesia, Malaysia, Philippines, Guatemala, Honduras, El Salvador, Colombia, Peru, and Chile over the post-1950 period. Topics to be covered include: geopolitics and the political economy of growth; the expansion of global trade and global city networks; international migration and the demography of economic development; the Japan model of growth and the Tigers of Asia; and human development in the Asia Pacific Region.

Prerequisites: 204, 225.

ECON 429 Units: 1.5 Hours: 3-0 **Population Economics**

Commences with a discussion of basic demographic methods and then takes up topics in population analysis of interest to economists. Topics include: Malthusian theory; the economic consequences of population growth; the economics of fertility, mortality and migration; aging and intergenerational transfers. Applications to development, labour, public finance, and other fields of economics may be included.

Prerequisites: 203, 225.

ECON 435 Units: 1.5 Hours: 3-0 **Financial Economics**

An introduction to the application of economics to finance, with an emphasis on the theory of asset pricing. Topics include mean-variance portfolio analysis; the capital asset pricing model and arbitrage pricing theory; equity and fixed income securities; options and the Black-Scholes pricing formula; and futures contracts.

Note: Credit will be granted for only one of 435, COM 446, MBA 525.

Prerequisites: 305 and 313, and 246 or equivalent; COM 240.

Pre- or corequisites: 225.

ECON 437 Units: 1.5 Hours: 3-0 **Philosophical Problems in Contemporary Economics**

Seminar course investigating selected problems with the neoclassical paradigm, with emphasis on the relationship of morality to economics. Topics may include rational choice and human agency, cognition, gender, social institutions, social choice theory, constitutional political economy, law and democracy, economic development, and economic justice. Prominent contemporary economic critics of neoclassical economics will be read.

Prerequisites: 203 and 204; fourth-year standing recommended.

Pre- or corequisites: 225.

ECON 450 Units: 1.5 Hours: 3-1 **Game Theory in Economics**

Game theory, including dynamic games. Applications to the study of the strategic interaction between economic agents. Topics include standard oligopoly models, entry deterrence and predation, R and D rivalry.

Prerequisites: 203; 350 or 250.

Pre- or corequisites: 225.

ECON 451 Units: 1.5 Hours: 3-0 **General Equilibrium and Welfare Economics**

Selected topics in general equilibrium theory and welfare economics.

Prerequisites: 351 or 251; 353.

Pre- or corequisites: 225.

ECON 452 Units: 1.5 Hours: 3-0 **Information and Incentives**

Theory and applications of the principal agent model to moral hazard, adverse selection and signalling problems.

Prerequisites: 203; 350 or 250; 313.

Pre- or corequisites: 225.

ECON 453 Units: 1.5 Hours: 3-0 **Economic Growth and Business Cycles**

Models of economic growth and fluctuations in the medium to long run. Classical, neoclassical and endogenous growth theories and tests of these theories. Roles of capital, human capital, resources and technology in determining growth rates and income levels in different countries. Additional topics may include: monetary theories of the business cycle, effects of demography and social security, international flows of capital, labour and knowledge.

Prerequisites: 351 or 251.

Pre- or corequisites: 225.

ECON 454 Units: 1.5 Hours: 3-0 **Theory of Corporate Finance**

Corporate finance is the study of how firms attract capital to finance their operations. Surveys some corporate finance topics that are of particular interest to economists. Topics may include the determinants of capital structure, dividend policy, capital budgeting, the relation between firm finance and product market behaviour, contracting and firm incentives, the role of financial intermediaries, and mergers and takeovers.

Prerequisites: 313; COM 240 or permission of the department; 305 recommended.

Pre- or corequisites: 225.

ECON 456 Units: 1.5 Hours: 3-0 **Experimental Economics**

Introduction to the theory and practice of experimental economics using laboratory and field experiments.

Students will become acquainted with state-of-the-art methods in experimental economics, including experimental design, subject sampling, laboratory techniques, and the use of financial incentives. The objectives will be pursued through the development of experiments and a review of the method's application to a number of topics of interest to economists.

Note: Credit will be granted for only one of 456, 485 (if taken in the same topic).

Prerequisites: 203; 450 recommended.

Pre- or corequisites: 225.

ECON 468 Units: 1.5 Hours: 3-1 **Financial Econometrics**

The application of econometric methods to asset pricing models and financial data. Topics may include: stylized facts for financial returns, forecasting returns, volatility modelling and forecasting, tests of the random walk hypothesis, option pricing, extreme values and value at risk, asset portfolios, modelling with ultra-high frequency data.

Prerequisites: 365, or STAT 350 or STAT 353, or permission of the department; COM 240; ECON 366 and 435 recommended.

Pre- or corequisites: 225.

ECON 481 Units: 1.5 Hours: 3-0 **Environmental Economics II**

A detailed treatment of advanced topics in environmental economics. Topics covered will vary from year to year, but will typically include a selection from the following: property rights and the Coase theorem, risk and uncertainty, sustainability, policy design under asymmetric information, monitoring and enforcement, green consumerism and corporate environmentalism, trade and the environment, climate change and transboundary pollution, mobile source pollution, non-point source pollution, solid waste management, technological change, and non-market valuation.

Prerequisites: 313; 330 or 381; 225.

ECON 482 Units: 1.5 Hours: 3-0 **Formerly: part of 430A**

Natural Resource Economics II

Dynamic optimization as it applies to renewable and non-renewable resources, focusing in particular on dynamic problems related to the fishery, forestry and the mine. Economic principles relating to the governance/regulation of natural resource use will also be examined.

Note: Credit will be granted for only one of 482, 430A.

Prerequisites: 225, 313, 382.

Pre- or corequisites: 251.

ECON 485 Units: 1.5 Hours: 3-0 **Topics in Economics**

The topics in this course depend primarily on the interests of the instructor. Entry to this course will be restricted to third- and fourth-year students who meet the prerequisites for the topic to be offered.

Note: Offered as 485A, 485B, 485C, 485D. May be taken more than once in different topics with permission of the Chair of the department.

ECON 486 Units: 1.5 Hours: 3-0 **Topics in Econometrics**

The topics in this course depend primarily on the interests of the instructor. Entry to this course will be restricted to third- and fourth-year students who meet the prerequisites for the topic to be offered.

Note: Offered as 486A, 486B, 486C, 486D. May be taken more than once in different topics with permission of the Chair of the department.

ECON 495 Units: 1.5 or 3.0 **Directed Studies**

Directed reading and/or research for Major and Honours students with first class standing in Economics

under the supervision of a faculty member willing to supervise such a course.

Note: May be taken more than once for credit to a maximum of 3 units.

Prerequisites: Permission of the department.

Pre- or corequisites: 225.

ECON 499 Units: 3.0

Formerly: 470

Fourth Year Honours Thesis and Seminar

Seminar for Honours students only. Includes oral presentations related to the student's proposed thesis research, which is carried out under the direction of a faculty supervisor.

Note: Credit will be granted for only one of 499, 470.

Pre- or corequisites: 225.

ED-D

Educational Psychology and Leadership Studies

Department of Educational Psychology and Leadership Studies

Faculty of Education

Courses offered by the the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, EPHE, IA, IET, ME.

ED-D 101 Units: 1.5 Hours: 1.5-1.5
Learning Strategies for University Success

Study skills and strategies for success in university courses. Emphasis on applied assignments that help students to master reading, note taking, studying, time management, and assignment work in their current undergraduate courses. Students will apply theory to examine their own learning and experiment with new strategies for learning. Students will be required to use computers for course work and group projects.

Notes: - Enrolment is restricted to undergraduate students who are concurrently enrolled in at least one other university course.

- Students must enrol in both the lecture and one of the labs in the same semester.

ED-D 300 Units: 1.5

Educational Psychology

The application of psychological principles to elementary classroom practice.

Note: Credit will be granted for only one of 300, 200.

Prerequisites: Authorization to register in the Faculty of Education.

ED-D 301 Units: 1.5

Hours: 3-0

Formerly: EDUC 301

Learners and Learning Environments

An integrated approach to planning for effective learning based on an understanding of the developmental and individual needs of children. The implications for schooling of learning characteristics, gender, and multicultural factors will be addressed.

Note: Credit will be granted for only one of 301, 305, EDUC 301.

Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

ED-D 305 Units: 1.5
Psychology of Childhood

Hours: 3-0

The study of human growth and development and the way in which biological and environmental factors influence the child over time.

Prerequisites: Authorization to register in the Faculty of Education.

ED-D 306 Units: 1.5 Hours: 3-0

Advanced Educational Psychology: Child Development During the Preschool Years

An advanced course with special emphasis on early education; consideration of language, motor skills, and cognitive development, from birth to six years. Observation techniques, the interview, and other approaches to child study will be stressed.

Prerequisites: 305 or equivalent.

ED-D 316 Units: 1.5

Hours: 3-0

Study of Communication in Interpersonal Relationships

The study of verbal and nonverbal behaviours that lead to more effective interpersonal relationships. Includes the examination of self-concept, perceptions, emotions, language and behaviour that influence the climate in interpersonal relationships. Assertive communication and resolving interpersonal conflict will also be studied. This course will be of interest to persons interested in learning about increasing communication competence in family, social relationships, teaching, business, counselling and mental health.

Note: Students should take 316 before 417.

ED-D 337 Units: 1.5

Hours: 3-0

Evaluation of Student Achievement

The construction of classroom measures, including rating scales, self reports, check lists, performance tests, essay and objective tests; organization, use and reporting of assessment data.

337A - Evaluation in the Arts

337B - Evaluation in the Humanities and Modern Languages

337C - Evaluation in Physical Education

337E - Evaluation in the Sciences, Mathematics and Social Sciences

ED-D 338 Units: 1.5

Hours: 3-0

The Design and Psychology of Technology-Based Learning

An introduction to design principles and their application to various technology-supported learning environments. Explores the implications of psychological principles for the design of technology in education across various contexts. Students will be expected to design and develop distance learning materials for a specific educational context.

ED-D 400 Units: 1.5

Hours: 3-0

Learning Difficulties in the Elementary Classroom

An introduction to the nature, scope and recognition of learning difficulties commonly encountered in the elementary classroom.

ED-D 401 Units: 1.5

Hours: 3-0

Introduction to Psychology of Classroom Learning

An introduction to the psychology of learning in the secondary school.

Note: Credit will be granted for only one of 401, 403.

ED-D 402 Units: 1.5

Hours: 3-0

Assessment For Special Education

An in-depth study of the area of formal and informal assessment of the exceptional learner. Topics include techniques, methods and purposes of assessment; factors important in selecting and administering standardized tests for the purpose of planning educational alternatives, technical information required to interpret tests adequately, and limitations on interpretation.

Note: Open only to students registered in the Professional Specialization Certificate in Special Education.

Prerequisites: 405.

ED-D 403 Units: 4.5

Hours: 4.5-0

Educating the Developing Learner

An integrated approach to planning for effective learning and to managing ineffective learning patterns in children. The developmental needs of children, their learning characteristics and the cultural and multicultural factors in the modern classroom will be considered.

Note: Credit will be granted for only one of 403, 300, 305, 400, 401. Restricted to Elementary PDPP students, or by permission of the Education Advising Centre.

ED-D 404 Units: 1.5

Hours: 3-0

Learning Difficulties in the Secondary Classroom

An introduction to the nature, scope, and recognition of learning difficulties encountered in the secondary classroom. Some attention will be given to integration (mainstreaming) of students with severe problems of learning and behaviour.

Pre- or corequisites: Professional year.

ED-D 405 Units: 1.5

Hours: 3-0

Advanced Educational Exceptionality

An advanced course intended to familiarize students with the needs of children and adolescents with varying exceptionalities. Topics include history of special education services, legal/ethical issues in the delivery of service to students with special needs; special education policies and procedures, parents and families of children with special needs, intellectual disabilities, learning disabilities, emotional disturbance, giftedness, children with speech and language problems, complex developmental disorders, hearing and vision loss, physical impairments, and chronic health problems.

Note: Restricted to students registered in the Professional Specialization Certificate in Special Education.

ED-D 406 Units: 1.5

Hours: 3-0

Psychology of Adolescence

The physiological, psychological, social and educational aspects of adolescence.

ED-D 407 Units: 1.5

Hours: 3-0

Formerly: EDUC 407

Evaluating and Reporting Student Progress

An examination of the principles and procedures associated with the evaluation of student achievement, emphasizing connections between theory and practice, assessment and instruction, and BC Ministry of Education requirements. Topics include: planning and development of classroom assessment procedures; communication of results to students and parents; and current policies and practices. Focuses on developing the ability of pre-service teachers to critically and effectively develop their own assessment practices and resources.

Note: 1.5 units for students admitted to Regular 5 year BEd or PDPP as of September 2007.

Prerequisites: Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

ED-D 408 Units: 1.5

Hours: 3-0

Formerly: EDUC 408

Promoting Prosocial Behaviour: Strategies and Management

Designed to provide beginning teachers with insights and concrete strategies that will assist them in preventing and/or effectively intervening in situations involving discipline, conflict, aggression, and bullying. Peacemaking programs and peer conflict management initiatives will be discussed.

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Note: Credit will be granted for only one of 408, EDUC 408.

Prerequisites: Completion of Year Four of the Bachelor of Education Elementary program.

ED-D 410 Units: 1.5 Hours: 3-0
Formerly: EDUC 410

Teacher as Leader: The Professional Role

A seminar in contemporary professional issues and the role of the ethical, reflective and active practitioner within inclusive school communities. Emphasis is on leading for learning, collaboration, and critical inquiry as central components of teaching in a democratic society. Authentic tools for assessing professional growth will be utilized.

Note: Credit will be granted for only one of 410, 430, EDUC 410, ED-B 430.

Prerequisites: Completion of Year Four of the Bachelor of Education Elementary program or EDUC 300A.

Grading: INC, COM, N, F.

ED-D 411 Units: 1.5 Hours: 3-0
Teaching Students with Behavioural, Social and Emotional Difficulties

An introduction to behaviour, social, emotional and related mental health issues in childhood and adolescence. Causes, diagnosis, and identification will be examined along with contemporary approaches to program planning and intervention within inclusive schools and classrooms.

ED-D 414 Units: 1.5 Hours: 3-0
Group Processes

Analysis, theory, and research related to group processes, decision-making, and leadership in a variety of settings. Awareness and understanding of self in group contexts. Includes skills practice and development related to group membership and facilitation.

Note: 414 is a prerequisite course for the Master's program in Counselling Psychology and must be completed within seven years of the date of application.

ED-D 415 Units: 3.0 Hours: 3-3
Assessment and Remediation of Learning Difficulties

A consideration of assessment strategies and instructional methods and materials appropriate for the identification and remediation of learning difficulties. Topics include: the application of knowledge and ethics in the assessment of students with special needs; the administration, scoring, and interpretation of norm-referenced, criterion-referenced, and curriculum-based assessment to Level B; task analysis, observation, portfolio, and environmental assessments; the synthesis and interpretation of assessment findings for individualized education program (IEP) planning and evaluation.

Note: Restricted to students registered in the Professional Specialization Certificate in Special Education.

Prerequisites: 405, 402.

ED-D 417 Units: 1.5 Hours: 3-0
Skills for Effective Interpersonal Communication

Basic interpersonal communication skills for active listening, empathic understanding and communication of empathy. Includes analysis of effective interpersonal skills and skill building laboratory experience. The content and skills are transferable to a variety of settings, including counselling, education, human development, management, healthcare, psychology and recreation.

Note: 417 is a prerequisite course for the Master's program in Counselling Psychology and must be completed within seven years of the date of application.

ED-D 418 Units: 1.5 Hours: 3-0
Formerly: part of ED-D 417

Introduction to Theories of Counselling

Major theoretical approaches to counselling. Includes philosophical assumptions, key concepts, the process of change, and interventions. Designed for those interested in counselling, psychotherapy, and helping relationships.

Note: 418 is a prerequisite course for the Master's program in Counselling Psychology and must be completed within seven years of the date of application.

ED-D 419 Units: 1.5 Hours: 3-0
Introduction to Indigenous Approaches to Helping and Healing

Introduction to Indigenous worldviews and perspectives related to helping and healing practices. Awareness of the history and the impact of oppression in Canadian Indigenous contexts. Exploration of the relevance of both Western and Indigenous paradigms in the helping profession. Students will reflect on their own beliefs and learn to enhance the cultural relevance and sensitivity of their own helping approaches.

Note: Credit will be granted for only one of 419, 487 (if taken in the same topic).

ED-D 420 Units: 1.5 Hours: 3-0
Formerly: EDUC 420

Learning Support: Context and Key Issues

An introductory overview of key issues in learning support. Topics will include the organization, administration and management of classrooms in which students with special educational needs are found; the referral process; teacher responsibilities for students with special educational needs in the context of regular classrooms; and the utility and limitations of various assessment techniques.

Note: Credit will be granted for only one of 420, EDUC 420.

ED-D 421 Units: 1.5 Hours: 3-0
Formerly: EDUC 421

Recognition and Assessment of Learning Needs

Topics will include administering and interpreting teacher directed/prepared assessment techniques and commercial tests; reading and writing reports; and developing various individualized educational plans.

Note: Credit will be granted for only one of 421, EDUC 421.

Prerequisites: 420 (formerly EDUC 420).

ED-D 422 Units: 1.5 Hours: 3-0
Formerly: EDUC 423

Management and Adaptation of the Classroom Environment

Strategies for adapting the classroom environment to support children with a range of special needs. Topics will include ADHD/FAS; abuse and neglect; medication/treatments; social competences and emotional adjustment; issues related to low/high incidence classifications; collaboration between professionals/paraprofessionals.

Note: Credit will be granted for only one of 422, EDUC 423.

Prerequisites: 420 (formerly EDUC 420).

ED-D 423 Units: 1.5
Approaches to Cross-Cultural Education

Designed for those working or planning to work in a multicultural environment. Specific emphasis will be on cross-cultural awareness and the role of counselling in cross-cultural settings. Students will examine ethnic identity development and minority experience in Canada; explore the psychological and sociological impacts of racism; be introduced to theories of multicultural counselling; and engage in cross-cultural sensitivity and anti-racism training.

ries of multicultural counselling; and engage in cross-cultural sensitivity and anti-racism training.

ED-D 424 Units: 1.5 Hours: 3-0
Teaching Individuals with Developmental Disabilities

An introduction to designing, implementing, and monitoring programs within inclusive settings for children and adolescents with developmental disabilities such as intellectual disabilities, autism, cerebral palsy, and fetal alcohol spectrum disorder.

ED-D 425 Units: 1.5 Hours: 3-0
Assistive Technology in the Inclusive Classroom

The application of a range of assistive technologies and instructional strategies to support active student participation in inclusive classrooms. Study and application of functional assessment processes, team principles, and a range of technologies and resources.

ED-D 426 Units: 1.5 Hours: 3-0
Differentiating Instruction in the Inclusive Classroom

The theoretical foundations and practical applications of Differentiated Instruction (DI), an approach to meet the needs of all students in today's diverse classrooms. Students will learn strategies for determining what to teach (Content), how to teach (Process), and the evaluation of student learning (Product).

ED-D 430 Units: 1.5 Hours: 3-0
Formerly: ED-B 430

The Organization and Administration of Education in British Columbia

An introduction to structure and process of the BC School System. Teacher-administration relationships. Emerging trends and controversial issues in school organization and practice. Value problems in the profession. School law and legal requirements. Public and professional relationships. Classroom management.

Note: Credit will be granted for only one of 430, ED-B 430.

Prerequisites: Authorization to register in the Elementary Education program or Secondary Professional Year or permission of the Education Advising Centre.

ED-D 435A Units: 1.5 Hours: 3-0
Peer Helping: Training Issues

An examination of the use of peers in the helping/learning process in a variety of populations and settings. Topics include the theory and research in peer helping, peer tutoring, peer mentoring and peer counselling. Emphasis will be placed on skill building and training expertise necessary to organize and train a variety of peer groups in educational and community settings. Experiential learning cycles will be emphasized.

Note: Participants are strongly urged to take this course concurrently with 435B.

ED-D 435B Units: 1.5 Hours: 3-0
Peer Helping: Program Implementation Issues

An exploration of the variety of strategies used to develop, implement and evaluate a peer program. Topics include initiating change, consulting with decision makers, organizing action teams, selecting peer helpers, and creating an effective training curriculum. Approaches to supervision and evaluation will be examined.

Note: Participants are strongly urged to take this course concurrently with 435A.

ED-D 446A Units: 1.5 Hours: 3-0
Career Awareness and Exploration

The foundations of lifelong career education and awareness, skills development, and the planning

process. Approaches to facilitate career exploration with youth, issues of personal responsibility, and current perspectives in the labour market will be presented.

ED-D 446B Units: 1.5 Hours: 3-0
Career Development and Planning

Practical aspects of providing programs for career and life planning. Developmental issues and applications will be presented. Preparation for employment, work search strategies, work experience, and career technologies will also be covered.

ED-D 480 Units: 1.5 or 3.0 Hours: 3-0
Contemporary Issues in Education - Educational Psychology and Leadership Studies

Current topics and developments in education, with particular consideration of their relevance to the schools of British Columbia. Taught from an interdisciplinary approach.

Note: May be taken more than once for credit with permission of the Education Advising Centre.

ED-D 487 Units: 1.5 or 3.0 Hours: 3-0
Special Topics in Education - Educational Psychology and Leadership Studies

Topics of current interest or concern to groups of students.

Note: May be taken more than once for credit with permission of the Education Advising Centre.

ED-D 494 Units: 1.5 each
Directed Studies

Research projects, directed reading, or additional course work in a specified area.

Note: All students must obtain written approval from the Education Advising Centre before registering. Permission will not normally be given for more than 3 units of directed studies.

ED-D 499 Units: 0.5-3.0
Professional Development

A variable content course directed at specific competencies in educational psychology, counselling and/or leadership studies.

Note: Not more than 3 units of credit for any 499 courses may be approved as electives in an education degree program. Approval must be obtained from the Education Advising Centre.

Grading: INC, COM, N, F.

ED-P

Teacher Education - Professional Studies

Faculty of Education

Courses offered by the the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, EPHE, IA, IET, ME.

ED-P 250 Units: 1.5 Hours: 3-0
Elementary Field Experience Seminar I

Designed to provide an opportunity for students to orient themselves to the culture of the school and to become familiar with the multiple and complementary roles and responsibilities of school personnel. Students will be encouraged to visit a variety of classrooms in conjunction with their seminar and to observe for specific indicators of climate, programming and group management. Students will begin their electronic portfolio.

Note: Credit will be granted for only one of 250, 200.

Grading: INP, COM, N, F.

ED-P 251 Units: 1.5
Three-Week Practicum (Elementary Education)

Students in the Bachelor of Education (Elementary Curriculum) program will undertake a three-week spring practicum. Practicum placements may be outside the local area, and may be completed in a non-traditional educational setting.

Note: Credit will be granted for only one of 250, 200.

Pre- or corequisites: 250.

Grading: INP, COM, N, F.

ED-P 350 Units: 1.5 Hours: 3-0
Elementary Field Experience Seminar II

Focus is on planning and implementing the curriculum, addressing the diversity found in classrooms and schools, and acquiring strategies for orchestrating the many demands and responsibilities inherent in the role of educators. Students will refine and enhance their e-portfolio.

Note: Credit will be granted for only one of 350, 300A, 300B.

Prerequisites: 251.

Grading: INP, COM, N, F.

ED-P 351 Units: 1.5
Five-Week Practicum (Elementary Education)

Students in the Bachelor of Education (Elementary Curriculum) program will undertake a five-week spring practicum. Practicum placements may be outside the local area.

Note: Credit will be granted for only one of 351, 300A, 300B.

Pre- or corequisites: 350.

Grading: INP, COM, N, F.

ED-P 360 Units: 1.5 Hours: 3-0
Elementary Field Experience Seminar (Post Degree)

Focus is on planning and implementing the curriculum, addressing the diversity found in classrooms and schools, and acquiring strategies for orchestrating the many demands and responsibilities inherent in the role of educators. Students will refine and enhance their e-portfolio.

Note: Credit will be granted for only one of 360, 300A, 300B.

Prerequisites: Admission to Elementary Post Degree Professional Program.

Grading: INP, COM, N, F.

ED-P 361 Units: 1.5
Five-Week Practicum (Elementary Post Degree)

Students in the Elementary Post Degree Professional Program will undertake an eight-day orientation practicum in December of their first year, and a five-week practicum following final exams in the spring.

Note: Credit will be granted for only one of 361, 300A, 300B.

Pre- or corequisites: 360.

Grading: INP, COM, N, F.

ED-P 451 Units: 3.0
Eight-Week Practicum (Elementary Education)

Students in the Bachelor of Education (Elementary Curriculum) program will undertake an eight-week practicum scheduled during January-March.

Note: Credit will be granted for only one of 451, 400A, 400B, 400C, 400D.

Prerequisites: 351.

Grading: INP, COM, N, F.

ED-P 461 Units: 3.0
Eight-Week Elementary Practicum (Post Degree)

Students in the Elementary Post Degree Professional Program will undertake an eight-week practicum scheduled during September-October.

Note: Credit will be granted for only one of 461, 400A, 400B, 400C, 400D.

Prerequisites: 361.

Grading: INP, COM, N, F.

ED-P 490 Units: 1.5
Professional Development Inquiry Project

Structured as a professional development opportunity for students to further explore areas they have identified as important for their readiness as beginning teachers. Students will work with instructors who have expertise in curriculum areas and/or methods of inquiry. There may be alternative modes of delivery for this course, e.g. off-campus experiences and self-directed learning projects. Students will be expected to draw on their electronic portfolio to inform their choice of inquiry focus and to present their final projects at the end of the program.

Prerequisites: Year 5 standing.

Grading: INP, COM, N, F.

ED-P 494 Units: 1.5 each
Directed Studies

Research projects, directed reading, or additional course work in a specified area.

494Y - Student Teaching

Note: All students must obtain written approval from the Director before registering. Permission will not normally be given for more than 3 units of directed studies.

ED-P 495 Units: 1.5 each
Directed Studies

Research projects, directed reading, or additional course work in a specified area.

495Y - Student Teaching

Note: All students must obtain written approval from the Director before registering. Permission will not normally be given for more than 3 units of directed studies.

ED-P 496 Units: 0.5-1.5
Formerly: EDUC 496
Mentoring in Teaching

An exploration, analysis and application of supervisory and support models and techniques for mentoring pre-service and beginning teachers. This course is for certified teachers and includes school-based experiences.

Note: Credit will be granted for only one of 496, EDUC 496.

Prerequisites: Valid teaching certificate, 3 years experience and permission of the Director of Teacher Education Programs.

ED-P 497 Units: 1.5 or 3.0
Professional Seminar or Practicum

A seminar or supervised practicum for persons wishing to update teaching skills and to gain or validate teaching certificates. Practicum only students will be on an individualized study/practice program.

Prerequisites: Consent of the Manager of Field Experience.

Grading: INC, COM, N, F.

ED-P 498 Units: 1.5
Fourth Year Secondary Seminar

A program of seminars and school experiences prerequisite to the secondary methodology courses. A two week post-session practicum following final ex-

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aminations is required. This requirement may be modified for students on special programs.

Prerequisites: Fourth-year standing in the Secondary Education program or permission of the Manager of Field Experience.

Grading: INC, COM, N, F.

ED-P 499 Units: 0.5-3.0

Professional Development Professional Studies

A variable content course directed at improving specific teacher and/or administrator competencies. Normally offered off campus.

Note: Not more than 3 units of credit for any 499 courses may be approved as electives on an Education degree program. Approval must be obtained from the Director.

Grading: COM, N, F.

Professional Studies

ED-P 780 Units: 1.5 Hours: 3-0

Secondary Field Experience Seminar

A series of seminars providing assistance in planning for practicum, discussion of topics of common concern for student teachers, and current issues related to instruction.

Students will begin their electronic portfolio.

Grading: INC, COM, N, F.

ED-P 781 Units: 1.5

Five-Week Practicum (Secondary Post-Degree)

Practical teaching experience in the schools under the guidance and supervision of faculty members, supervisors and mentoring teachers. The practicum will be closely integrated with the study of curriculum and instruction course work in one or two secondary teaching subjects. This practicum normally takes place April/May.

Pre- or corequisites: 780.

Grading: INP, COM, N, F.

ED-P 782 Units: 3.0

Eight-Week Practicum (Secondary Post-Degree)

Practical teaching experience in the schools under the guidance and supervision of faculty members, supervisors and mentoring teachers. The practicum will be closely integrated with the study of curriculum and instruction course work in one or two secondary teaching subjects. This practicum normally takes place in the final term of the program.

Prerequisites: 781.

Grading: INP, COM, N, F.

ED-P 790 Units: 1.5

Secondary Teaching Skills Seminar

The study, performance and evaluation of teaching skills essential to teacher performance at the secondary level. Skills will be practised and evaluated through peer interaction.

Prerequisites: Acceptance in the Secondary Post Degree Professional Program.

Grading: INC, COM, N, F.

ED-P 798 Units: 3.0

Final Practicum (Secondary)

Placement from January through April in one or more secondary schools for supervised teaching practice.

Prerequisites: Successful completion of pre-practicum term.

Grading: INP, INC, COM, N, F.

EDCI

Curriculum and Instruction Studies Department of Curriculum and Instruction Faculty of Education

Courses offered by the the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, EPHE, IA, IET, ME.

EDCI 302 Units: 1.5 Hours: 3-0

Formerly: **EDUC 302**

Literacy and Language in the Elementary School

An overview of the teaching of language arts and the development of oral language and literacy in the elementary school. An introduction to strategies for addressing the diverse needs of learners will be included.

Note: Credit will be granted for only one of 302, EDUC 302, ED-B 748.

Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 303 Units: 1.5 Hours: 3-0

Formerly: **EDUC 303**

Historical and Philosophical Foundations of Canadian Education

Focuses on historical events and philosophical ideas that have impacted children and teachers in Canadian schools.

Note: Credit will be granted for only one of 303, EDUC 303, ED-B 420, ED-B 423.

Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 305A Units: 1.5 Hours: 3-0

Formerly: **part of 305**

Drama Education: A Medium for Learning I

An overview of the theory and practice of drama in education based on the current elementary curriculum. Through a workshop format, students will explore the principles and methods of instruction for initial classroom implementation.

Note: Credit will be granted for only one of 305A, 305, EDUC 305, DE 204, 304.

Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 305B Units: 1.5 Hours: 3-0

Formerly: **part of 305**

Drama Education: A Medium for Learning II

The integration of drama as a learning medium across the curriculum with a focus on language arts. Through the examination and progression of instructional strategies, students will broaden their understanding of educational drama and its role in the development of multiple literacies.

Note: Credit will be granted for only one of 305B, 305, EDUC 305, DE 204, 304.

Prerequisites: 305A and acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 306A Units: 1.5 Hours: 3-0

Formerly: **part of 306**

Music in the Elementary Classroom I

An introduction to music education, designed to give students with little or no music background a foundation for teaching music and evaluating musical learning in the elementary classroom. An understanding of musical concepts will be developed through singing, listening, playing, moving, dramatizing, composing, improvising, reading and writing. Music reading skills

will be developed through the playing of classroom instruments.

Note: Credit will be granted for only one of 306A, 306, EDUC 306, ME 204, ME 206, ME 304.

Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 306B Units: 1.5 Hours: 3-0

Formerly: **part of 306**

Music in the Elementary Classroom II

A continued development of the musical skills and concepts learned in 306A with a focus on music teaching and learning strategies for the upper elementary and middle school grades. Students will have the opportunity to work in ensemble settings using classroom instruments such as recorders, Orff instruments, guitars and ukuleles to arrange accompaniments, improvise, and compose. In addition, students will plan units around selected topics such as History of Rock'n Roll, World Music, Canadian Folk Music, Classical Kids, Listening Activities, Integrated Arts, and Historical Significance of Songs. Additional topics will be added according to interests.

Note: Credit will be granted for only one of 306B, 306, EDUC 306, ME 204, ME 206, ME 304.

Prerequisites: 306A and acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 307A Units: 1.5 Hours: 3-1

Formerly: **part of 307**

Art in the Elementary Classroom I

The purpose of this methods course is to understand the place and practice of art in the elementary school curriculum. Topics include a rationale for art education, theory about developmental stages, sensitivity to individual and cultural diversity, as well as lesson planning, assessment strategies, and integration of art with other core subjects. Aims to develop students' own understandings, skills, and confidence in creating art and in building general knowledge about art.

Note: Credit will be granted for only one of 307A, 307, EDUC 307, AE 103, AE 204.

Prerequisites: Acceptance in either the Bachelor of Education elementary program or the Post-Degree Professional Program (Elementary).

EDCI 307B Units: 1.5 Hours: 3-1

Formerly: **part of 307**

Art in the Elementary Classroom II

A further investigation of concepts and methods of instruction that are appropriate for elementary students in classroom settings. Involves continued work in developing student competence and confidence in studio art and building general knowledge, both cultural/historical and contemporary art and art practice.

Note: Credit will be granted for only one of 307B, 307, EDUC 307, AE 103, AE 204.

Prerequisites: 307A and acceptance in either the Bachelor of Education elementary program or the Post-Degree Professional Program (Elementary).

EDCI 321 Units: 1.5 Hours: 3-0

Formerly: **ED-B 339**

Quality Programs for Young Children

An overview of early childhood education programs designed as an introduction for those considering working with young children in a variety of settings. Emphasizes active learning, the role of play, physical settings, resources, and criteria for creating and evaluating quality learning environments responsive to the diverse needs of today's children and families.

Note: Credit will be granted for only one of 321, ED-B 339.

EDCI 336 Units: 1.5 Hours: 3-0
Formerly: **ED-B 359**
Information and Communication Technologies in Education

Provides students with a foundation for using common information and communication technologies (ICT) and integrating those technologies within an educational context. Topics may include: electronic communication, Internet tools, multimedia presentations, website construction, spreadsheets, databases, critical evaluation of resources, current issues, and appropriate use of technology by teachers and their students.

Note: Credit will be granted for only one of 336, ED-B 359, EDUC 406, EDCI 406, ED-B 360.

Grading: INC, COM, N, F.

EDCI 337 Units: 1.5 Hours: 3-0
Formerly: **ED-B 360**

Visual Media: Applications and Impact

Exploration of the instructional applications of video including program development and production; examination of the effects of visual media on children.

Note: Credit will be granted for only one of 337, ED-B 360.

EDCI 338 Units: 1.5 Hours: 3-0
Formerly: **ED-B 362**

The Mass Media and Education

The history and development of mass media globally; the effects of radio, television, film and new world wide web and digital multimedia communications and broadcasting technologies on children's home life and school experience; the institutional and personal educational uses of the mass media; and possible benefits, problems and future developments in mass media education.

Note: Credit will be granted for only one of 338, ED-B 362.

EDCI 339 Units: 1.5 Hours: 3-0
Formerly: **ED-B 363**

Distributed and Mobile Learning

Provides an overview of distance education and the current technologies that enable the various forms of distributed and mobile learning. Students will examine current practices through a mixture of theory and skill development.

Note: Credit will be granted for only one of 339, ED-B 363.

EDCI 347 Units: 1.5 Hours: 3-0
Formerly: **347A, ED-B 341A**

Children's and Young Adult Literature

The study of a selection of Canadian and international children's and young adult literature drawn from various genres, including realistic fiction, fantasy, traditional literature, poetry and nonfiction. Explores how various literary theories influence the interpretation and analysis of children's and young adult literature.

Note: Credit will be granted for only one of 347, 347A, ENGL 402, ED-B 341A.

Prerequisites: 3 units of English.

EDCI 350 Units: 1.5 Hours: 3-0
Formerly: **ED-B 350**
Foundations of Reading and Writing in the Secondary Grades

A study of the nature and development of reading and writing abilities in the secondary grades with specific reference to the linguistic and psychological bases of the reading and writing processes. Emphasis will be placed on the integrative nature of language processes and the place of speaking and listening in the development of reading and writing.

Note: Credit will be granted for only one of 350, ED-B 350.

EDCI 352 Units: 1.5 Hours: 3-0
Formerly: **ED-B 344**
Multiliteracies Curriculum

Prepares prospective secondary school teachers to develop understandings and approaches to integrating literacy processes and products into the subject disciplines. Examines multiple literacies and contemporary understandings of texts as they apply to learning across the curriculum.

Note: Credit will be granted for only one of 352, 343C, ED-B 344.

Corequisites: Professional year.

EDCI 353A Units: 1.5 Hours: 3-0
Formerly: **ED-B 371, half of 353**
Literature for Young Adults

A survey of young adult literature with attention to the adolescent response, a critical examination of the literature and the stimulation of reading.

Note: Credit will be granted for only one of 353A, 353, ED-B 351, ED-B 371, ED-B 471. Restricted to students with third- or fourth-year standing.

EDCI 353B Units: 1.5 Hours: 3-0
Formerly: **ED-B 371, half of 353**
Alternative Texts for Young Adults

A critical examination of alternative texts (such as film, video, television, newspapers, magazines, websites) with attention to the young adult's response to text as cultural form.

Note: Credit will be granted for only one of 353B, 353, ED-B 351, ED-B 371, ED-B 471. Restricted to students with third- or fourth-year standing.

EDCI 371 Units: 1.5
Also: **IS 371**
The History of First Nations, Métis, and Inuit Education in Canada

Topics include: traditional forms of Aboriginal knowledge and pedagogy before European contact; a historical view of colonization and government legislation and policy pertaining to education; Aboriginal resistance and education initiatives; a general overview of current issues facing Aboriginal Education. Class participants will experience learning through storytelling, modelling, dialogue, experiential learning, and self and group directed learning.

Note: Credit will be granted for only one of 371, IS 371.

Grading: COM, N, F.

EDCI 372 Units: 1.5
Also: **IS 372**
Indigenous Epistemologies

Study and celebration of Indigenous knowings and practices (traditional and evolved) of First Nations, Métis, and Inuit people, problematization of the assimilation pressures imposed on Aboriginal peoples since contact. Topic includes: how first peoples think, feel and act as the people of this land; different kinds of Aboriginal oral, spiritual, and written scholarship; epistemological frameworks, methodologies and protocols for validating Indigenous scholarship; ethics and values implied by research teaching, and organizational systems.

Note: Credit will be granted for only one of 372, IS 372.

Grading: COM, N, F.

EDCI 373 Units: 1.5 Hours: 3-0
Also: **IS 373**
EI TELNIWT and Aboriginal Education

An explanation of ways to address the learning and teaching needs of Aboriginal children, youth, and adults through understanding Indigenous peoples' relationship with land, language, and community. Topics include: study of who Indigenous peoples are, diversity amongst Indigenous peoples, ways to

indigenize the learning and educational environment, and of the systems that impact service of teachers and learners.

Note: Credit will be granted for only one of 373, IS 373.

EDCI 401 Units: 1.5 Hours: 3-0
Formerly: **ED-B 437**
Facilitating Adult Learning

An examination of selected issues in facilitating learning for adults including: a critical examination of the concept of Andragogy, self-directed learning and its facilitation, learning contracts, enhancing learner motivation, and cognitive/learning styles and their implications for adult learners. Intended for those individuals who will be involved in the design and conduct of education programs for adult learners.

Note: Credit will be granted for only one of 401, ED-B 437.

EDCI 402 Units: 1.5 Hours: 3-0
Formerly: **EDUC 402**
Reading: Instructional Principles and Strategies

Theoretical perspectives on reading, the developmental nature of reading, and complex issues, including societal and cultural factors that influence reading development. Topics of study include concepts and instructional strategies associated with cueing systems, word identification, comprehension, and vocabulary. Ongoing assessment strategies and organizational structures for reading programs will also be considered.

Note: Credit will be granted for only one of 402, EDUC 402, ED-B 748.

Prerequisites: 302, or EDUC 302.

EDCI 403 Units: 1.5 Hours: 3-0
Formerly: **EDUC 403**
Curriculum and Instruction in Elementary Science

A study of the curriculum organization, instructional strategies, and assessment practices in elementary science. Includes consideration of the nature of science, the interactions of science, technology, society and environment, and the content, processes and attitudes prescribed in the provincial curriculum.

Note: Credit will be granted for only one of 403, EDUC 403, ED-E 745.

Prerequisites: Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

EDCI 404 Units: 1.5 Hours: 3-0
Formerly: **EDUC 404**
Curriculum and Instruction in Elementary Social Studies

A study of the curriculum organization and techniques of instruction in elementary social studies. Examples are drawn from a variety of content areas: history, geography, anthropology, sociology, political science, and/or economics, with emphasis on participatory citizenship, culture and traditions in a pluralistic society.

Note: Credit will be granted for only one of 404, EDUC 404, ED-E 746.

Prerequisites: Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

EDCI 405 Units: 1.5 Hours: 3-0
Formerly: **EDUC 405**
Curriculum and Instruction in Elementary Mathematics

General and specific goals of mathematics teaching and learning; examination of all components of the prescribed provincial mathematics curriculum; teach-

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ing strategies; learning activities; classroom settings; and assessment techniques.

Note: Credit will be granted for only one of 405, EDUC 405, ED-E 743.

Prerequisites: Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

EDCI 409 Units: 1.0 Hours: 2-0

Formerly: **EDUC 409**

Constructing Mathematical Understanding

Further examination of recent issues and trends related to fostering and assessing the major components of mathematical literacy, mathematical thinking and numeracy.

Note: Credit will be granted for only one of 409, EDUC 409, ED-E 743.

Prerequisites: 405 (formerly EDUC 405).

EDCI 421 Units: 1.5 Hours: 3-0

Formerly: **ED-B 440**

Origins, Influences and Trends in Early Education Programs

An examination of how historical, philosophical, developmental, political and sociological factors determine today's programs for preschool, daycare, kindergarten and primary. Addresses the questions: Where do early childhood programs come from? Why is there such variety in programs for children and families? and What can we learn from other programs and other countries?.

Note: Credit will be granted for only one of 421, ED-B 440.

Pre- or corequisites: 321 or ED-B 339 or permission of the instructor.

EDCI 422 Units: 1.5

Formerly: **ED-B 441**

Curriculum and Program Design in Early Childhood Education

Practical strategies for the development of early childhood curricula and the planning and administration of programs for preschool, daycare, and kindergarten. Examines current topics such as integration, multiculturalism, family involvement, and program evaluation.

Note: Credit will be granted for only one of 422, ED-B 441.

EDCI 423 Units: 1.5 Hours: 3-0

Formerly: **ED-B 448**

Seminar and Practicum in Early Childhood Education

Observation and supervised practice teaching in preschools, daycare centres, and kindergartens. Course activities include weekly half-day observations and a seminar. Completion of a successful practicum will be required.

Note: Credit will be granted for only one of 423, ED-B 448.

Pre- or corequisites: 422, ED-B 441 or permission of the instructor.

EDCI 424A Units: 1.5 Hours: 3-0

Formerly: **EDUC 422, EDUC 422A**

Adaptation of Curriculum and Instructional Strategies (Language Arts)

The introduction of diagnosis and instruction for struggling learners in language arts with a focus on reading and writing and of curriculum and methodology of teaching English as a second language (ESL). Students will become familiar with materials and procedures helpful to supporting learners and alleviating literacy difficulties.

Note: Credit will be granted for only one of 424A, EDUC 422, 422A.

Prerequisites: ED-D 420 (formerly EDUC 420).

EDCI 424B Units: 1.5 Hours: 3-0

Formerly: **EDUC 422, EDUC 422B**

Adaptation of Curriculum and Instructional Strategies (Mathematical)

Development and use of instructional methods and materials appropriate for children with learning difficulties in mathematics. Ways of adapting curricula and instruction in other content areas and technological support for children with special education needs will also be considered.

Note: Credit will be granted for only one of 424B, EDUC 422, 422B.

Prerequisites: ED-D 420 (formerly EDUC 420).

EDCI 431 Units: 1.5 Hours: 3-0

Formerly: **ED-B 420**

Philosophical Foundations of Education

The origins and meaning of social and philosophical ideas and how these ideas influence the lives of children and teachers in schools. The major philosophical systems and ideologies that have shaped and continue to shape educational thought and practice are the focus of this course.

Note: Credit will be granted for only one of 431, ED-B 420.

EDCI 432 Units: 1.5 Hours: 3-0

Formerly: **ED-B 423**

Historical Foundations of Education

The historical foundations of contemporary Canadian schooling and the forces that regulate educational change, reform and the nature of the teacher's work.

Note: Credit will be granted for only one of 432, ED-B 423.

EDCI 433 Units: 1.5 Hours: 3-0

Formerly: **ED-B 425**

Anthropology and Education

Theory and perspectives from cultural anthropology relevant to the processes of education and operations of schools.

Note: Credit will be granted for only one of 433, ED-B 425.

EDCI 434 Units: 1.5 Hours: 3-0

Formerly: **ED-B 427**

Sociological Foundations of Education

The impact of sociological variables – such as poverty, ethnicity, culture, gender, and social diversity on classroom teaching and life in contemporary Canadian schools.

Note: Credit will be granted for only one of 434, ED-B 427.

EDCI 437 Units: 1.5 Hours: 2-2

Formerly: **ED-B 463**

Visual Literacy

The theory and forms of contemporary visual communication in education: composition and analysis techniques of television, film, video and photography and incorporation of these media into instructional design. The effects of mass media on children.

Note: Credit will be granted for only one of 437, ED-B 463.

EDCI 446 Units: 3.0 Hours: 3-0; 3-0

Formerly: **ED-B 442**

Literacy Strategies for Supporting Struggling Learners

A course covering classroom diagnosis and treatment of reading difficulties; prevention of reading disabilities; corrective classroom procedures. Students will become familiar with materials and procedures for the correction of various types of reading disabilities. This course is useful to the classroom teacher and to the reading specialist. A portion of the course may involve remedial work in a school setting.

Note: Credit will be granted for only one of 446, ED-B 442.

Prerequisites: Professional year and 342 or permission of the instructor. Students in the Learning Assistance teaching area will be allowed to take this course without 342 provided they have completed the professional year.

EDCI 447 Units: 1.5 Hours: 3-0

Formerly: **ED-B 491**

Principles of Teaching English to Second Language Learners

A survey of principles and theories for, and the teaching of English to second language learners. The examination of curriculum and methodology for use with ESL learners in the elementary and secondary schools.

Note: Credit will be granted for only one of 447, ED-B 490, ED-B 491.

Prerequisites: Registration in the Faculty of Education, Diploma in Applied Linguistics or major in Applied Linguistics.

EDCI 448 Units: 1.5

Formerly: **ED-B 492**

Organization and Procedures for Instruction of English to Second Language Learners

The examination of current models for the organization and instruction of ESL students at the elementary and secondary levels. The integration of language and content instruction within the regular classroom is emphasized.

Note: Credit will be granted for only one of 448, ED-B 490, ED-B 492.

Prerequisites: Registration in the Faculty of Education, Diploma in Applied Linguistics or major in Applied Linguistics or by permission of instructor.

EDCI 451 Units: 1.5 Hours: 3-0

Formerly: **EDUC 431**

Community and Culture

Designed to provide students with an appreciation of the utility of culture as a framework for understanding teaching and learning. Students will explore the roles and impacts they have as teachers and community members in the transmission and transformation of culture. Investigates the implications and challenges of teaching in a multicultural society.

Note: Credit will be granted for only one of 451, EDUC 431.

EDCI 452 Units: 1.5 Hours: 3-0

Formerly: **EDUC 432**

Cultural Studies in Education

Focuses on the school both as a community of learners and as a part of a larger community in a changing world. Topics of study will include different conceptions of community as they relate to education and learning, relations of power in school and community settings, gender roles, ethnicity, spirituality, traditions of conflict resolution, human rights, and the effects of global systems on local communities.

Note: Credit will be granted for only one of 452, EDUC 432.

EDCI 453 Units: 1.5 Hours: 3-0

Formerly: **EDUC 433**

Ecology for Teachers

Labs, field trips and inquiry activities will explore the major ecosystems in British Columbia as a focus for instruction. Topics include the natural history of plants and animals, the ecology of communities and ecosystems, and human impacts emphasizing the Pacific Northwest. Intended to provide teachers with information and skills to explore the outdoor environment as a focus for instruction: to plan and organize field trips, teach nature appreciation, inquiry techniques, ecology concepts and stewardship.

Note: Credit will be granted for only one of 453, EDUC 433.

EDCI 454 Units: 1.5 Hours: 3-0
Formerly: **EDUC 434**
Environmental Education

This multidisciplinary course is designed to familiarize the educator with a range of issues and teaching methods related to environmental education. Topics include goals for environmental and outdoor education; environmental ethics; current issues and trends; multicultural perspectives towards the land; local, national and global issues, teaching strategies for understanding and resolving environmental issues; program and unit planning. Selected field trips to locations emphasizing current environmental issues.

Note: Credit will be granted for only one of 454, EDUC 434.

EDCI 455 Units: 1.5 Hours: 3-0
Formerly: **EDUC 436**
The Evolution of Educational Ideas: Philosophy, History and the Classroom

The impact of educational philosophy and the history of education on the culture of the schools. Topics will include the evolution and implications of educational ideas, and the changing role of the school in society.

Note: Credit will be granted for only one of 455, EDUC 436.

EDCI 456 Units: 1.5
Formerly: **EDUC 437**
Community Development Project

Designed to provide students an opportunity to develop and implement a school-based community development project. Working in groups, with a faculty mentor, students will design projects that reflect the principles and themes of community action and positive social change. Sample projects could include environmental protection and restoration initiatives, community based violence prevention programs, home- and school-based media literacy campaigns or multicultural and cultural sensitivity programs.

Note: Credit will be granted for only one of 456, EDUC 437.

Grading: INC, COM, N, F.

EDCI 457 Units: 1.5
Formerly: **EDUC 438**
English as a Second Language

A survey of curriculum and instruction designed to develop beginning competence for teaching English as a second language. There are three main themes: language instruction techniques, evaluation of the language and educational needs of ESL students, and developing sensitivity for the prior educational and cultural experiences of ESL students.

Note: Credit will be granted for only one of 457, EDUC 438, ED-B 491.

EDCI 458 Units: 1.5 Hours: 3-0
Formerly: **ED-E 444**
Mathematics Instruction in the Elementary School

Teaching strategies; classroom organization; learning activities and settings; evaluation procedures; instructional materials, their function and use.

Note: Credit will be granted for only one of 458, ED-E 444.

Prerequisites: Professional Year.

EDCI 459 Units: 1.5 Hours: 3-0
Formerly: **ED-E 484**
Diagnosis and Intervention in Mathematics

Identification of strengths and weaknesses; interview strategies, procedures and settings; interpretation of error patterns; intervention objectives and strategies.

Note: Credit will be granted for only one of 459, ED-E 484.

Prerequisites: Professional Year.

EDCI 461 Units: 1.5 Hours: 3-0
Formerly: **EDUC 441**
Language for Higher Thought

An examination of instructional practices to develop high levels of thinking through engagement with literature and through writing in selected genres. Focuses on strategies designed to foster divergent, sustained engagement and interpretation of literature and for developing and representing ideas in expressive, poetic and transactional modes.

Note: Credit will be granted for only one of 461, EDUC 441.

EDCI 462 Units: 1.5 Hours: 3-0
Formerly: **EDUC 442**
Creative Thought and Expression Through Music

Production, perception, and reflection as the basis for music-making. Opportunities to enhance personal musicianship and develop teaching strategies to encourage creativity and critical thinking in elementary students.

Note: Credit will be granted for only one of 462, EDUC 442.

EDCI 463 Units: 1.5 Hours: 3-0
Formerly: **EDUC 443**
Visual Thinking

Visual artists use a variety of strategies to develop original imagery, find creative solutions to problems, and express ideas that cannot be conveyed in any other medium. Students will explore the methods artists use to create and communicate. Though they arise from art, the methods can be applied to many other areas of learning. Developmentally appropriate classroom activities and teaching methods are recommended as ways of engaging elementary students in visual thinking.

Note: Credit will be granted for only one of 463, EDUC 443.

EDCI 464 Units: 1.5 Hours: 3-0
Formerly: **EDUC 444**
Learning Through Drama

Explores the role of drama to enrich language/literacy education. Emphasis will be placed on children's literature and the exploration of a variety of dramatic forms that promote increased understanding within the discipline of drama as well as serving as methodology across the curriculum.

Note: Credit will be granted for only one of 464, EDUC 444.

EDCI 465 Units: 1.5 Hours: 3-0
Formerly: **EDUC 446**
The Art of Mathematics

Mathematics is often erroneously viewed as the application of rote formulas to contrived exercises: a more informed view would see it as a language to describe the universe (Galileo), or as an art form to express abstract thought. This course will provide students with opportunities to explore the creative underpinnings of mathematics and its ubiquitous nature. Students will engage in non-routine problem-solving activities and develop an understanding and appreciation of alternate heuristics and ways of communicating mathematical thought.

Note: Credit will be granted for only one of 465, EDUC 446.

EDCI 466 Units: 1.5 Hours: 3-0
Formerly: **EDUC 447**
Scientific and Technological Literacy

Science as inquiry and technology as design have been significant influences on North American soci-

ety. Examines the nature of science and technology; explores curricula, instruction and assessment that encourage students to acquire abilities and habits of mind to construct an understanding of science and technology; focuses on big ideas in science technology, and the communications to inform and persuade others to take action on science and technology issues.

Note: Credit will be granted for only one of 466, EDUC 447.

EDCI 468 Units: 1.5 Hours: 2-2
Formerly: **ED-E 473**
Environmental Issues Education

Designed to familiarize the educator with a range of environmental issues of both local and global proportions as a focus for program planning and curriculum development. Takes an interdisciplinary approach and includes teaching strategies for helping students clarify and resolve environmental issues. Selected field trips.

Note: Credit will be granted for only one of 468, ED-E 473.

EDCI 469 Units: 1.5 Hours: 2-2
Formerly: **EDUC 448**
Teaching Oral French

Theoretical and practical elements of teaching French as a second language for the general classroom teacher. Students will be introduced to the BC French Integrated Resource Package, recommended materials and methods of presentation and use of aids. The language of instruction will include both French and English.

Note: Credit will be granted for only one of 469, EDUC 448, ED-B 391.

EDCI 470 Units: 1.5 Hours: 3-0
Formerly: **EDUC 449**
Literacies and Expression: Professional Integration

Designed to provide opportunities for prospective teachers to forge links between the other courses in the strand and their own interests, skills, experiences, and styles related to teaching. Portfolios might be selected as a vehicle for a multi-dimensional documentation of ideas, insights, and learnings. Students are encouraged to engage in creative thought and explore and refine multiple forms of expression and representation.

Note: Credit will be granted for only one of 470, EDUC 449.

Grading: INP, COM, N, F.

EDCI 472 Units: 1.5 Hours: 3-0
Formerly: **ED-E 447**
Mathematics, Science and Social Studies in Early Childhood Education

A survey of mathematics, science and social studies content, materials, methods suitable for children from ages three to six.

Note: Credit will be granted for only one of 472, ED-E 447.

Prerequisites: ED-B 440, EDCI 421 or consent of the instructor; Professional Year.

EDCI 473 Units: 1.5 Hours: 3-0
Learning and Teaching in an Indigenous World

Introduction to an Indigenous world of learning and teaching through hands-on practical activities integrated with theoretical and academic goals. Experiences in the principles of traditional Indigenous ways of teaching and learning such as mentorship and apprenticeship. Respectful practice, community engagement and personal responsibility help learners develop insight into Indigenous pedagogy while working alongside community knowledge keepers, elders and artists.

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Notes: - Credit will be granted for only one of 473, 487, 499 (if either taken in the same topic).
- May be taken more than once for credit in different topics with permission of the department.
Grading: COM, N, F.

EDCI 475 Units: 1.5 Hours: 3-0 Principles in Teaching French Immersion

The basic curricula and evaluation as required of the French Immersion program, and an understanding of the similarities and differences between teaching in Immersion and the English program. Emphasizes how students develop literacy and numeracy in French Immersion while mastering the skills and concepts laid out in all subject areas as required by the BC curriculum. This course is taught in French.

EDCI 476 Units: 1.5 Hours: 3-0 Organization and Instruction in French Immersion

An examination of current models for the organization and instruction of French Immersion students at the elementary and secondary level. Participants will define and articulate those critical factors that ensure lessons and units of study will enable students to learn language as well as concepts/skills. This course is taught in French.

Prerequisites: 475.

EDCI 477 Units: 1.5 Hours: 3-0 Designs for Learning

Assessment and evaluation within the context of French Immersion's language and content methodology. Emphasis is on planning, analysis and evaluation. Canadian and International models of language learning and assessment will be examined. This course is taught in French.

Prerequisites: 475, 476.

EDCI 487 Units: 1.5 or 3.0 Hours: 3-0 Formerly: ED-A 487, ED-B 487, ED-E 487 Special Topics in Education

Topics of current interest or concern to groups of students.

Note: May be taken more than once for credit in a degree program with permission of the Education Advising Centre.

EDCI 494 Units: 1.5 each Formerly: ED-A, ED-B, ED-E 494; ED-A, ED-B, ED-E 495 Directed Studies

Research project, directed reading, or additional course work in a specific area.

494A - Art Education

494D - Drama Education

494G - Educational Technology

494K - Language Arts

494M - Music Education

494N - Teaching of History

494O - Teaching of Geography

494P - Social Studies

494R - Mathematics Education

494X - Science Education

Notes: - Credit will be granted for only one of 494, ED-A, ED-B, ED-E 494, 495, ED-A, ED-B, ED-E 495.

- All students must obtain written approval from the Education Advising Centre before registering.

- Permission will not normally be given for more than 3 units of directed studies.

EDCI 495 Units: 1.5 each Formerly: ED-A, ED-B, ED-E 494; ED-A, ED-B, ED-

E 495 Directed Studies

Research project, directed reading, or additional course work in a specific area.

495A - Art Education

495D - Drama Education

495G - Educational Technology

495K - Language Arts

495M - Music Education

495N - Teaching of History

495O - Teaching of Geography

495P - Social Studies

495R - Mathematics Education

495X - Science Education

Notes: - Credit will be granted for only one of 494, ED-A, ED-B, ED-E 494, 495, ED-A, ED-B, ED-E 495.

- All students must obtain written approval from the Education Advising Centre before registering.

- Permission will not normally be given for more than 3 units of directed studies.

EDCI 499 Units: 0.5-3.0 Formerly: ED-A, ED-B, ED-E 499 Professional Development - Curriculum and Instruction

A variable content course directed at improving specific teacher and/or administrator competencies. Normally offered off campus.

Note: Not more than 3 units of credit for any 499 courses may be approved as electives in an education degree program. Approval must be obtained from the Education Advising Centre.

Grading: COM, N, F.

Professional Studies

EDCI 706 Units: 1.5 Hours: 3-0 Formerly: ED-A 750 Curriculum and Instruction in Secondary School Art

As the last formal stage in becoming an art teacher, this course prepares students for their practicum experience. It examines relationships between the practical and theoretical aspects of art education. Students will be introduced to various teaching methodologies appropriate for implementing the curriculum, teaching styles will be discussed and explored, and students will design lessons and develop learning activities around specific concepts.

Note: Credit will be granted for only one of 706, ED-A 750. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Teacher Education.

EDCI 716 Units: 1.5 Hours: 3-0 Formerly: ED-A 767 Curriculum and Instruction in Secondary School Theatre

Designed to prepare theatre/drama education students for the teaching profession. Provides students with one of the many bridges connecting their university theatre and drama experiences to the world of the secondary school. The focus will be on the how, what, and why of classroom drama.

Note: Credit will be granted for only one of 716, ED-A 767. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Teacher Education.

EDCI 746 Units: 1.5 Hours: 3-0 Formerly: ED-B 754 Curriculum and Instruction in Secondary School French

An opportunity to develop abilities in teaching and testing the language features (pronunciation, vocabulary, grammar, and cultural component) and the language skills (listening, speaking, reading, and writing) and to familiarize students with current French language teaching approaches through the study of representative materials and techniques. Emphasis will be placed on practical classroom techniques and the challenges particular to teaching French in the secondary school.

Note: Credit will be granted for only one of 746, ED-B 754. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Teacher Education.

EDCI 747 Units: 1.5 Hours: 3-0 Formerly: ED-B 753 Curriculum and Instruction in Secondary School English

Prepares students to instruct and assess middle and secondary English language arts. Explores a variety of teaching and assessment strategies, resources and current research into the challenges and possibilities of teaching English language arts.

Note: Credit will be granted for only one of 747, ED-B 753. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Teacher Education.

EDCI 748 Units: 3.0 Hours: 3-0 Formerly: ED-B 748 Language and Literacy in the Elementary School (Primary or Intermediate Grade Emphasis)

A study of the elementary language arts curriculum emphasizing selection and application of materials, resources, and methods for teaching reading, writing, speaking, and listening.

Note: Credit will be granted for only one of 748, ED-B 748.

Prerequisites: Acceptance in professional year.

EDCI 749 Units: 1.5 Hours: 3-0 Formerly: ED-B 756 General Methods of Second Language Teaching

An opportunity to develop abilities in teaching and testing the language features (pronunciation, vocabulary, grammar, and cultural component) and the language skills (listening, speaking, reading, and writing) and to familiarize students with current second language teaching approaches through the study of representative materials and techniques. Emphasis will be placed on practical classroom techniques and the challenges particular to teaching second languages.

Note: Credit will be granted for only one of 749, ED-B 756. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Secondary Teacher Education.

EDCI 756 Units: 2.0 Hours: 3-0 Formerly: ED-E 743 Curriculum and Instruction in Mathematics in the Elementary School

An examination of the mathematics curriculum and instructional procedures for teaching mathematics: scope and sequence, objectives, classroom settings, teaching strategies, manipulative aids, learning activities, and evaluation procedures.

Note: Credit will be granted for only one of 756, ED-E 743.

Prerequisites: Acceptance in professional year.

EDCI 757 Units: 1.5 Hours: 3-0
Formerly: **ED-E 761**
Curriculum and Instruction in Secondary School Mathematics

Helps students develop the pedagogical content knowledge needed to teach secondary school mathematics. This includes knowledge about: the goals, content and sequence of the 8-12 mathematics curriculum, how students learn mathematics, how to plan instructional activities, lessons and units that are meaningful and mathematically correct, teaching strategies that instill in all students enthusiasm and satisfaction in learning and using mathematics, and how to develop and apply appropriate assessment and evaluation techniques. Explores how to establish classroom environments that facilitate problem solving; conceptual understanding, autonomy and issues related to equity and multi-culturalism in teaching mathematics.

Note: Credit will be granted for only one of 757, ED-E 761. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Teacher Education.

EDCI 761 Units: 1.5 Hours: 3-0
Formerly: **ED-A 762**
Curriculum and Instruction in Secondary School Music

Designed to provide students with practical strategies that will inform and enhance professional practice in the secondary music classroom. Through teaching opportunities, presentations, readings, and discussion, this course will develop personal knowledge related to pedagogical issues in music, curriculum design and implementation, program management, assessment strategies, and professional portfolio building.

Note: Credit will be granted for only one of 761, ED-A 762. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Teacher Education.

EDCI 767 Units: 1.5 Hours: 3-0
Formerly: **ED-E 769**
Curriculum and Instruction in Secondary School Science

A study of the curriculum organization, instructional strategies, and assessment practices in secondary sciences. Includes consideration of the nature of science, the interactions of science, technology, society and environment, the development of science literacy through constructivist approaches to teaching, and selected current trends and issues in science education such as meeting the needs of diverse students and the use of technology in the science classroom.

Notes: - Credit will be granted for only one of 767, ED-E 769. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Secondary Teacher Education.

- Students with teaching areas in biology, chemistry, physics, or general will enrol in this course.

EDCI 773 Units: 1.5 Hours: 3-0
Formerly: **ED-E 757**
Curriculum and Instruction in Secondary School Social Sciences

Explores the area of Social Studies as a multidisciplinary subject that draws from the social sciences and humanities to study human interaction with natural

and social environments. While there will be a theoretical component to the course, the learning of best practices in social studies education will dominate.

Note: Credit will be granted for only one of 773, ED-E 757. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Manager, Teacher Education.

EDCI 787 Units: 1.5 Hours: 3-0
Cross-curricular Inquiry Strategies

Inquiry-focused, project-based learning strategies applicable across a range of subject areas, and adaptable to learners' needs, interests, and competencies, will be presented, experienced and critically examined. Grouping structures that facilitate collaborative investigations and interactions, and multi-format presentations, will be featured. Assignments will involve applications to the secondary curriculum within and beyond participants' teaching area.

Prerequisites: Acceptance in a Secondary Teacher Education Program.

EDCI 797 Units: 1.5 Hours: 3-0
Curriculum and Instruction in Secondary School Information and Communication Technology

A focus on the current curriculum, the development of pedagogical content knowledge, lessons and units, and the design and maintenance of technology-based learning environments. Topics may include security and safety in a networked world; development of design, reasoning, problem solving and algorithmic thinking skills; strategies for dealing with the diversity of abilities, understanding the role of anxiety and motivation in technology instruction, approaches to assessment and evaluation unique to the teaching of computer studies, and the teachers' role in school technology leadership.

Note: Open to students who have completed the prescribed teaching area and are admitted to professional year or Post-Degree Professional Program, or who have special permission of the Manager, Teacher Education.

ELEC

Electrical Engineering Department of Electrical and Computer Engineering Faculty of Engineering

Courses offered by the Faculty of Engineering are also found under the following course codes: CENG (Computer Engineering), CSC (Computer Science), ENGR (Engineering), MECH (Mechanical Engineering) and SENG (Software Engineering).

ELEC 199 Units: 1.0 Hours: 1-1.5-1
Laboratory in Engineering Fundamentals

An introduction to concepts in electrical, computer, and mechanical engineering through a practical project to be undertaken by teams of students. The project will involve mechanical construction, sensing of mechanical quantities by electrical means, as well as interfacing to and programming of a simple microcontroller. Students will be required to acquire suitable components, demonstrate their designs, and write a report documenting their efforts.

Note: Credit will be granted for only one of 199, ENGR 110, 111, 112.

ELEC 200 Units: 1.5 Hours: 3-2
Formerly: **ENGR 150**
Engineering Graphics

Basic principles of engineering drawing using Computer Aided Design and Drafting; orthographic projections; multiple view drawings; sectional views; electrical schematics; theory of projections for isometric,

oblique and perspective pictorial views; computer representation of physical shapes; algorithms for 2D and 3D transformations; computation of surface characteristics for data visualization.

Note: Credit will be granted for only one of 200, ENGR 150, MECH 200.

Pre- or corequisites: MATH 110, 133, 211 or 233A.

ELEC 216 Units: 1.5 Hours: 3-3-1
Electricity and Magnetism

Electric charge, Coulomb's Law, electrostatic forces, electric field, Gauss's Law, electric potential, stored energy. Electric current, conduction in a vacuum and in material media, displacement current, magnetic field of a current, force on a current carrying wire, magnetic induction, electromotive force, energy stored in a magnetic field. Magnetism and magnetic circuits. Time varying fields. Capacitance, resistance, inductance, and their characterization.

Note: Credit will be granted for only one of 216, PHYS 216.

Pre- or corequisites: MATH 200.

ELEC 220 Units: 1.5 Hours: 3-0-1
Electrical Properties of Materials

Materials for engineering, atomic bondings, crystalline structures, properties of metals, glasses, semiconductors, insulators and magnetic materials. Electronic conduction in solids and simple devices. Materials in engineering design and environmental effects.

Prerequisites: PHYS 125 or PHYS 112; 216 or PHYS 216 which may be taken concurrently, and MATH 200.

ELEC 250 Units: 1.5 Hours: 3-1.5-1
Linear Circuits I

Circuit analysis and design techniques. Resistors, sources, Kirchhoff's voltage and current laws. Theorems: linearity, superposition, Thevenin, Norton. Node and loop analysis. Capacitors and inductors, series and parallel connections, stored energy, initial values. Analysis and design of first- and second-order circuits using differential equations. Forced and natural responses. Phasors, impedance and admittance. Network theorems using phasors. Series and parallel resonance. Coupled inductors, ideal transformer. RMS quantities, complex power. Maximum power transfer. Three-phase circuits, Y- and Δ -loads.

Prerequisites: 216 or PHYS 216 and MATH 201 which may be taken concurrently.

ELEC 260 Units: 1.5 Hours: 3-0-1
Continuous-Time Signals and Systems

Continuous-time signals and systems. Functions of a complex variable. Analytic functions. Signal properties and basic signal transformations. Elementary functions including the Dirac delta function. System properties. Linear time-invariant systems and convolution. The Fourier series in the analysis of periodic signals. The Fourier transform and spectral analysis. The Laplace transform and its use in system analysis. The relationship between the Fourier and Laplace transforms. Solving differential equations with the Laplace transform. Partial fraction expansions. Using computer simulation of dynamic systems.

Prerequisites: MATH 101; and MATH 110 or MATH 211.

ELEC 300 Units: 1.5 Hours: 3-1.5
Linear Circuits II

Laplace transform analysis and matrix characterization of loop and node circuits. Design of controlled source circuits and ideal operational amplifiers. Feedback in design. Design of complex loads for maximum power transfer. Driving point and transfer function analysis with design for pole and zero placement in simple passive circuits and second order resonant

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responses, design for stability or oscillation in active circuits. Bode plots. Two-port parameters.

Prerequisites: 250, 260.

ELEC 310 Units: 1.5 Hours: 3-0 Digital Signal Processing I

Generation of discrete-time signals through the sampling process and their spectral representation. Mathematical representation and properties of digital signal processing (DSP) systems. Typical DSP systems, e.g., digital filters, and applications. The z transform and its relation to the Laurent series. Evaluation of the inverse z transform using complex series and contour integrals. Application of the z transform for representation and analysis of DSP systems. The processing of continuous time signals using DSP systems. The discrete-Fourier transform and the use of fast Fourier transforms for its evaluation. Introduction to the design of DSP systems.

Prerequisites: 255 or 260.

ELEC 320 Units: 1.5 Hours: 3-1.5 Electronic Devices I

Electronic properties of silicon. Charge transport and carrier dynamics. Metal-semiconductor and pn junctions. Diodes. Operation and properties of bipolar and field-effect transistors, including metal-oxide-semiconductor (MOS) structures. Small-signal models and equivalent circuits. Ideal and non-ideal device behaviour. Design considerations with respect to device performance.

Prerequisites: 220.

ELEC 330 Units: 1.5 Hours: 3-1.5 Electronic Circuits I

Nonlinear devices. Modelling and application of diodes: rectifiers, voltage regulators, waveform shaping circuits. Biasing of bipolar and field effect transistors. Small signal amplifiers. Multistage amplifiers. Nonlinear applications of transistors. Circuit design, simulation, implementation and testing.

Prerequisites: 250.

ELEC 335 Units: 1.5 Hours: 3-0 Biosensors and Instrumentation

A study of the basic principles of biomedical electronics and measurement with emphasis on the operational performance and selection of transducers, instruments and systems for biomedical data acquisition and processing. Topics will include electrocardiography (ECG), electroencephalography (EEG) and medical ultrasound.

Prerequisites: 220, 250, and 300 which may be taken concurrently.

ELEC 340 Units: 1.5 Hours: 3-1.5 Electromagnetic Field Theory

Field concept, Maxwell's equations. Boundary conditions. Power and energy. Constitutive parameters. Polarization. Plane wave reflection and transmission at material interfaces. Engineering design, general concepts and examples. Design of quarter wave and half wave transformers. Shielding design.

Prerequisites: 216 or PHYS 216; 260.

ELEC 350 Units: 1.5 Hours: 3-1.5 Communications Theory and Systems I

Principles of amplitude, frequency and phase modulation; design of communication systems using link budget; modulators, mixers and demodulators; elementary digital communications, PSK, FSK. System analysis using Matlab; random processes, power spectral density, noise in communication systems, matched filters.

Prerequisites: 310, 330.

ELEC 360 Units: 1.5 Hours: 3-1.5 Control Theory and Systems I

Characterization of systems: linearity, time invariance, and causality. General feedback theory; time and frequency domain analysis of feedback control systems; Routh-Hurwitz and Nyquist stability criteria; root locus methods; modelling of dc servos; design specifications and system performance; design of PID controllers; lead and lag compensators; introduction to state-space methods.

Prerequisites: 255 or 260.

ELEC 365 Units: 1.5 Hours: 3-1.5-1 Applied Electronics and Electrical Machines

Characteristics of electronic devices including diodes, bipolar junction transistors and operational amplifiers; analysis of practical electronic circuits such as rectifiers, voltage regulators, amplifiers and filters; fundamentals of electromechanical energy conversion; transformers and actuators; operating principles of rotating electric machines: dc machines and ac machines.

Prerequisites: 216 or PHYS 216; 250.

ELEC 370 Units: 1.5 Hours: 3-1.5 Electromechanical Energy Conversion

Faraday's law of electromagnetic induction, transformers and generators. Magnetic circuits. Force on a current carrying wire and motors. Energy and coenergy in the derivation of torques and forces. Structures and performance characteristics of dc, induction and synchronous machines. Stepper motor and brushless dc machines. Introduction to electric drives.

Prerequisites: 250.

ELEC 380 Units: 1.5 Hours: 3-3 Electronic Circuits II

Power amplifiers. Linear and nonlinear distortion. High frequency models for transistors. Differential amplifiers. Operational amplifiers, their parameters and models. Negative feedback. Applications of operational amplifiers: instrumentation amplifiers, comparators, precision rectifiers. Oscillators and timers. Circuit design, simulation, implementation and testing.

Prerequisites: 300 and 330.

ELEC 395 Units: 1.0 Hours: 2-0 Formerly: ENGR 395 Seminar

Provides students with an opportunity to exercise their ability to present and to defend their thoughts on professional topics of their own choice. Students will be encouraged to devote some of their discussions to such topics as continuing professional education, professional societies and organization of engineering employment. Students will also be made aware of the role and responsibilities of Professional Engineers in society with respect to the environment, ethics, equity, public and worker safety and health considerations.

Note: Credit will be granted for only one of 395, ENGR 395.

Prerequisites: Completion of term 1B and one work term.

Grading: COM, N, F.

ELEC 403 Units: 1.5 Hours: 3-1.5 Engineering Design by Optimization

The steepest descent and Newton methods for unconstrained optimization. Golden section, quadratic, cubic and inexact line searches. Conjugate and quasi-Newton methods. The Fletcher-Reeves algorithm. Application to the design of circuits, control systems, filters, and mechanical systems using optimization techniques. Introduction to constrained optimization. Includes laboratory sessions to program

various optimization algorithms and to apply them to several modelling and engineering design problems.

Prerequisites: 310 or CSC 349A, and fourth-year standing.

ELEC 404 Units: 1.5 Hours: 3-1.5 Microwaves and Fiber Optics

Transmission line theory, Smith chart and design examples, transmission lines and waveguides, network analysis, design of impedance matching and tuning networks, aspects of coupled lines, radiation and amplification, optical fibers, numerical aperture, single mode and multimode fibers, chromatic dispersion, fiber optic components.

Prerequisites: 300, 340, and fourth-year standing.

ELEC 405 Units: 1.5 Hours: 3-0 Error Control Coding and Sequences

Coding approaches and characteristics; linear block codes, convolutional code structure and Viterbi decoding; automatic repeat request techniques; trellis coded signalling; sequence design, error control in data storage systems and in information transmission.

Prerequisites: Fourth-year standing.

ELEC 407 Units: 1.5 Hours: 3-0 Digital Signal Processing II

Characterization of digital signal processing (DSP) systems. Frequency-domain and stability analysis. Design methodology. Structures for recursive and nonrecursive digital filters. VLSI implementation. Solution of the approximation problem for nonrecursive digital filters through the Fourier series. Solution of the approximation problem for recursive digital filters through the transformation of Chebyshev, inverse-Chebyshev, and elliptic analog filter approximations. Design for recursive digital filters satisfying prescribed specifications. Finite word-length effects. Applications.

Note: Credit will be granted for only one of 407, 458.

Prerequisites: 310 and fourth-year standing.

ELEC 410 Units: 1.5 Hours: 3-1.5 Power Electronics

Electronics in energy conversion and control. Circuits with switches and diodes. Electrical and thermal characteristics of power semiconductor devices: diodes and thyristors; bipolar, field effect and insulated gate transistors. Phase controlled converters: ac-to-ac and ac-to-dc. Dc-to-dc converters including switching regulators. Voltage source inverters. Pulse-width modulation and harmonic elimination techniques. Emphasis on device limitations, computer aided analysis and system control. Application examples including solar power conversion and battery chargers.

Prerequisites: 370, 380, and fourth-year standing.

ELEC 412 Units: 1.5 Hours: 3-0 Electronic Devices II

Study of the operation of bipolar and field-effect devices in VLSI design. Study of photonic and optoelectronic devices used in transmission, modulation, demodulation and receivers. Principles, construction and design of lasers and their applications. Study of display devices, thin-film devices, imaging devices, transducers and micromachines and their interfacing. Sensor arrays and related system design.

Prerequisites: 320 and fourth-year standing.

ELEC 420 Units: 1.5 Hours: 3-0 Nanotechnology

Nanoscale materials and devices. Techniques and tools of nanostructure fabrication and characterization. Properties of low-dimensional materials. Semiconductor nanostructures, metallic nanoparticles, carbon nanotubes, organic molecules, quantum dots. Applications including nanoelectronics and molecular

devices, biotechnology, nanoscale computation, nanomechanical devices and nanophotonics.

Prerequisites: 320 and fourth-year standing, or permission of the department.

ELEC 426 Units: 1.5 Hours: 3-1.5 Robotics

Structure and specification of robot manipulators. Homogenous transformations. Link description. Manipulator kinematics. Inverse manipulator kinematics. Velocity and static forces in manipulators. An introduction to manipulator dynamics. Linear control of robot motion. Model-based nonlinear control of robot manipulators.

Note: Credit will be granted for only one of 426, 425, 475, MECH 430.

Prerequisites: 360, MECH 141 or 245, PHYS 122, and fourth-year standing.

ELEC 434 Units: 1.5 Hours: 3-0 Biophotonics

An overview of basic optics (including the principles of lasers), biology and photobiology will be given. Practical applications will be presented including bioimaging, biosensing and microarray technologies, flow cytometry, photodynamic therapy, tissue engineering (including laser surgery), and laser scissors and tweezers.

Prerequisites: 216 or PHYS 216, and fourth-year standing.

ELEC 435 Units: 1.5 Hours: 3-0 Medical Image Processing

Image processing and understanding techniques applied in medical imaging technologies such as CT, MRI, ultrasound, X-ray. Design of computer aided diagnosis systems. Topics include algorithms for filtering, edge detection, segmentation, registration and 3D visualization of medical data.

Prerequisites: 310 and fourth-year standing in the faculty.

ELEC 450 Units: 1.5 Hours: 3-1.5 Communications Theory and Systems II

Transmission and filtering of random signals, analysis of modulation systems, in particular pulse code modulation, phase shift keying, frequency shift keying, etc., design of modems and of CODECs, introduction to noise analysis, information theory and coding.

Prerequisites: 350 and fourth-year standing.

ELEC 452 Units: 1.5 Hours: 3-1.5 Optical Communication Technology

Covers the technology associated with optical communication. Topics include waveguiding in fibers, dispersion and loss in propagation, LEDs and semiconductor lasers, photodetectors, noise, link budgeting, optical filters and wavelength-division multiplexing, optical amplifiers and optical networks.

Prerequisites: 320 and fourth-year standing.

ELEC 453 Units: 1.5 Hours: 3-0 Antennas and Propagation

Antenna and propagation fundamentals, Friis transmission formula, radar equation, Maxwell's equations for radiation problems, antenna parameters, simple radiators, array theory, mutual coupling, wire and broadband antennas, aperture radiators, scattering and diffraction, multipath propagation and fading, antenna measurement techniques, surface-wave and ionospheric propagation, microwave and millimeter-wave propagation.

Prerequisites: 404 and fourth-year standing.

ELEC 454 Units: 1.5 Hours: 3-1.5 Engineering Components for Wireless Systems

Circuit theory for waveguiding systems, scattering parameters, waveguide discontinuities, couplers, res-

onators, microwave filters, nonreciprocal devices, computer-aided design of active microwave circuits for wireless communication systems.

Prerequisites: 404 and fourth-year standing.

ELEC 456 Units: 1.5 Hours: 3-0 Mobile Communications

Fading and shadowing, noise and interference effects; source coding, modulation, error control coding, spread spectrum and multiplexing techniques for mobile communications; capacity estimation and comparative (FDMA/TDMA/CDMA) analysis of PCN and Cellular Systems; capacity estimation for wireless PABX and LAN systems.

Prerequisites: 350 and fourth-year standing.

ELEC 459 Units: 1.5 Hours: 3-1.5 Digital Signal Processing III

Decimation and interpolation of discrete signals. Least-squares signal modelling. The LMS algorithm and applications in adaptive interference and system identification. Basic multirate DSP systems. Polyphase representation and design of multirate systems. Application of multirate systems in signal compression and noise removal. Representation and digital processing of speech signals. Neural networks and applications.

Prerequisites: 407 and fourth-year standing.

ELEC 460 Units: 1.5 Hours: 3-0 Control Theory and Systems II

Sampling in control systems. The z transform and responses between sampling instants. Analysis of sampled data systems and stability testing. State-space analysis and design of continuous and discrete systems. Controllability, observability and zero input stability analysis. Pole placement techniques.

Prerequisites: 360 or MECH 435, and fourth-year standing.

ELEC 466 Units: 1.5 Hours: 3-1.5 System-on-Chip Engineering for Signal Processing

Design and System-on-Chip (SOC) implementation for signal processing applications. SOC design and testing methodologies, Platform-based design, Intellectual Property (IP) reuse, and built-in self-test. Controlling power consumption in SOC implementations. SOC multi-technology integration of analog and digital electronics, sensors and MEMS.

Prerequisites: CENG 355 or MECH 405 or MECH 458 or CSC 355; ELEC 310 or MECH 435 and MECH 455, and fourth-year standing.

ELEC 481 Units: 1.5 Hours: 3-0 Analog VLSI Systems

Review of IC technologies, device models and design concepts. Design of monolithic op amps, regulators, multipliers, oscillators, PLLs, A/D and D/A converters and other non-linear and high-speed ICs. Study and design of integrated filters, switched-capacitor circuits, CCDs and other sampled-data circuits. Design and applications of analog neural network and other analog-digital LSI.

Prerequisites: 320, 380, and fourth-year standing.

ELEC 482 Units: 1.5 Hours: 3-0 Electrical Drive Systems

Elements of drive systems, characterization of mechanical loads, requirements of electrical drive systems, dynamic equations and modelling of electrical machines, dc drives with various dc power sources, induction motor drives, ac controller, slip-energy recovery, constant air-gap flux, synchronous motor drives, permanent magnet motors, reluctance motors.

Prerequisites: 365 or 370, and fourth-year standing.

ELEC 483 Units: 1.5 Hours: 3-0 Digital Video Processing: Algorithms and Applications in Media

Representation of digital video. Image formation models. Spatio-temporal sampling and sampling structure conversion. Two- and three-dimensional motion estimation techniques. Optical flow, block-based and pel-recursive methods for motion estimation. Still image and video compression methods and standards. Interframe compression and model-based methods for video compression. Digital video systems and applications.

Prerequisites: 310 and fourth-year standing.

ELEC 484 Units: 1.5 Hours: 3-0 Audio Signal Processing

Introduction to digital audio effects and applications. Parametric filters, shelving filters, time-varying filters. Delay structures, delay-based audio effects. Dynamics processing, non-linear processing. Spatial effects, 3D audio, reverberation. Time segment processing, pitch shifting, time stretching. Time-frequency processing, phase vocoder.

Prerequisites: 310 and fourth-year standing.

ELEC 485 Units: 1.5 Hours: 3-0 Formerly: CENG 485 Pattern Recognition

Parallel and sequential recognition methods. Bayesian decision procedures, perceptrons, statistical and syntactic approaches, recognition grammars. Feature extraction and selection, scene analysis, and optical character recognition.

Note: Credit will be granted for only one of 485, CENG 485.

Prerequisites: STAT 254 or 260, and fourth-year standing.

ELEC 486 Units: 1.5 Hours: 3-0 Wavelets and Multirate Signal Processing

Functional analysis and Fourier analysis; downsampling, upsampling, noble identities, polyphase representations of signals and filters, uniformly maximally decimated filter banks, and tree-structured filter banks; multiresolution approximations, wavelet systems, scaling and wavelet functions, and relationship between wavelets and filter banks; applications of wavelet systems in signal compression and noise reduction.

Prerequisites: 310 and fourth-year standing.

ELEC 488 Units: 1.5 Hours: 3-0 Electrical Power Systems

Principles of electric power systems, three-phase salient and round rotor synchronous machines, three-phase transformer, transmission line parameters, admittance model, impedance model, network calculations, power-flow solution, symmetrical faults, symmetrical components and sequence networks, unsymmetrical faults, economic dispatch. Basics of power systems stability and protection, load frequency control, HVDC transmission, design projects using power system simulator package.

Prerequisites: 365 or 370.

ELEC 496 Units: 1.5 Selected Topics in Electrical Engineering

Note: May be taken more than once for credit in different topics to a maximum of 3 units with permission of the department.

Prerequisites: The student must be registered in term 4A or 4B.

ELEC 499 Units: 1.5 Hours: 1-9 Formerly: ELEC 499A and 499B Design Project

A significant technical design project in Electrical Engineering completed under the supervision of a fac-

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ulty member. This design experience is based on the knowledge and skills acquired in earlier course work. Projects may originate from faculty members, students, or external sources. They may have a diverse nature and serve diverse needs. Multi-disciplinary projects are encouraged.

Note: Credit will be granted for only one of 499, 499A, 499B.

Prerequisites: Fourth-year standing in the Electrical Engineering Program or permission of the department.

ENGL

English Department of English Faculty of Humanities

The prerequisite for all English courses numbered 200 and above is 3 units of English, normally satisfied by two of ENGL 115, 135, 146, 147 or by appropriate transfer credit in English.

ENGL 099 Units: 0 Hours: 3-0 Remedial English Composition

A remedial course in writing required of those whose score on the LPI indicates serious deficiencies in composition skills; a workshop approach provides instruction and drill in the fundamentals of reading comprehension and composition, including vocabulary, grammar, mechanics, sentence structure, and paragraphing. Space in the course may be available for other students with writing difficulties who may be advised to take it. For further information, see page 30.

Note: 3 fee units.

Prerequisites: Qualifying score on LPI.

Grading: COM, N, F.

ENGL 115 Units: 1.5 Hours: 3-0 University Writing

Writing, research, and organizational skills appropriate for university-level writing. Written assignments designed to improve the student's ability to write clearly and correctly, to organize material, and to carry out basic library research.

Note: Those who score level 5 on LPI may not take this course.

Prerequisites: A score of level 4 on LPI.

ENGL 135 Units: 1.5 Hours: 3-0 Academic Reading and Writing

Practice of skills needed for successful academic writing in a variety of subject areas. Analysis of rhetorical, stylistic, research and documentation techniques; development of these techniques through practical writing assignments. Balance of lectures and discussion.

Prerequisites: A qualifying English 12 grade, or an LPI score of 5 or 6, or completion of 1.5 units of ENGL.

ENGL 146 Units: 1.5 Hours: 3-0 Introduction to Literary Genres, Themes and Styles

Introduction to literary studies in English with particular emphasis on acquisition of skills necessary to analyze and write about literature (including close reading, development of literary-critical vocabulary, review of grammar and punctuation, and academic essay writing). Focus primarily on 20th and 21st century literary texts representing four literary genres.

Note: Credit will be granted for only one of 146, 116, 121, 122, 125.

Prerequisites: A qualifying English 12 grade, or an LPI score of 5 or 6, or completion of 1.5 units of ENGL.

ENGL 147 Units: 1.5 Hours: 2-1 Introduction to Literary Traditions and Transformations

Introduction to literary studies in English with particular emphasis on how principles of genre and form as well as historical context (including reception history and canon formation) shape critical understanding. Focus on literary texts from a variety of genres and periods taught through a series of literary case studies.

Note: Credit will be granted for only one of 147, 116, 121, 122, 145.

Prerequisites: A qualifying English 12 grade, or an LPI score of 5 or 6, or completion of 1.5 units of ENGL.

ENGL 200A Units: 1.5 Hours: 3-0 Formerly: part of 200

English Literature to 1660

Surveys major works from the Middle Ages and Renaissance. May include Old and Middle English texts in translation: *Beowulf* or *Sir Gawain and the Green Knight*, alongside works by major authors including Chaucer, Shakespeare, Marlowe, Sidney, Spenser, Donne and Milton.

Note: Credit will be granted for only one of 200A, 150, 200.

ENGL 200B Units: 1.5 Hours: 3-0 Formerly: part of 200

English Literature, 1660-1900

Surveys major works from the late 17th, the 18th and the 19th centuries. Covers important genres (satire, drama, novel, lyric), aesthetic paradigms (neo-classical, Romantic) and periods (Augustan, Romantic, Victorian). Authors may include Defoe, Swift, Pope, Goldsmith, Blake, Wordsworth, Coleridge, Keats, Austen, Tennyson, the Brownings, the Brontës, Dickens, Hardy and Wilde.

Note: Credit will be granted for only one of 200B, 200C (if taken 2010/09 or earlier), 151, 200.

ENGL 201 Units: 1.5, formerly 3 Hours: 3-0 Introduction to Modernist Literature

Surveys major works of fiction, poetry and drama from the modernist period (roughly 1900-45), with emphasis on the dynamic relation between revolutions in aesthetic form and social, psychological and intellectual developments that marked the early 20th century. Authors may include Yeats, Conrad, Forster, Joyce, Woolf, Pound, Eliot, Stein, Moore, Stevens, Faulkner and Beckett, as well as some literature in translation.

ENGL 202 Units: 1.5, formerly 3 Hours: 3-0 Introduction to Canadian Literature

A general introduction to Canadian literature, placing selected 19th- and 20th-century works within the contexts of an interdisciplinary study of Canada; important themes in the study of Canadian literature, using novels, poems, stories, songs, movies and essays. Topics may include the representation of historical events in literature, gender and nationality, the construction of individual identity in relation to community and nation, and First Nations and ethnic issues.

ENGL 203 Units: 1.5, formerly 3 Hours: 3-0 Introduction to American Literature

Poetry, fiction, and nonfiction literature of the United States from the 17th century to the present; issues such as the American Dream, gender and minority issues, or the nation's understanding of itself as a continuing experiment in democracy. Readings may include works by R.W. Emerson, E.A. Poe, Walt Whitman, Emily Dickinson, Mark Twain, William Faulkner, Ezra Pound, Robert Frost, Langston Hughes, or Toni Morrison.

ENGL 207 Units: 1.5 Hours: 3-0 Introduction to Cultural Studies

An introduction to Cultural Studies as the theory and practice of reading "texts" from a variety of sources, including popular culture, literature and electronic media; themes such as definitions of "culture" and the roles it plays in forming personal and social identities. Readings may include literary texts as well as "texts" drawn from other disciplines and from popular and commercial sources such as magazines, posters, the Internet, video or audio presentations.

ENGL 208 Units: 1.5 Hours: 3-0 Introduction to Women's Writing

A study of feminist issues in women's literature; coverage of various periods, genres, and theoretical approaches. Readings may include authors such as Margery Kempe, Aphra Behn, Jane Austen, Emily Dickinson, Margaret Atwood, and Angela Carter.

ENGL 209 Units: 1.5 Hours: 3-0 Foundations of Literary Criticism

Introduces basic categories and problems of literary criticism, with an emphasis on the development of close reading skills and a vocabulary for writing confidently about literature. Offers training in the use of textual evidence and contextual information (biography, authorial statements, formal conventions, socio-historical background) to develop and support interpretations.

ENGL 215 Units: 1.5 Hours: 3-0 The Writing of Expository Prose

This course pays attention to the styles and methods of nonfiction prose writing. It focuses on the development and critical analysis of the student's own writing through numerous and extensive written assignments and through the study of the techniques employed by other writers. Open to all students, but of special relevance to those going into the teaching profession.

Prerequisites: A minimum average grade of B- in 3 units of first-year English.

ENGL 225 Units: 1.5 Hours: 3-0 Technical Communications: Written and Verbal

Intended to assist students who plan careers in business, government, public service and research institutions. Designed to improve written and oral communication skills in a work environment. Its practical basis, which requires the preparation of business letters, internal memoranda and reports, is supplemented by a theoretical outline of basic communication within an organizational structure. Offers experience of both individual and group problem-solving.

ENGL 250 Units: 1.5 Hours: 3-0 Contexts of Literature

An introduction to the relationships between literature and other aspects of our culture.

This year: Literature and Hockey in Canada.

An introduction to the varieties of literature about hockey in Canada. Examines novels, poetry, nonfiction, and one film. Texts will be studied in relation to the myth of hockey in Canada and the relationship between this myth and Canadian national identity.

Notes: - Students may take 250 for a maximum of 3 units of credit.

- Primarily designed as an elective for students not intending to major in English.

ENGL 301 Units: 1.5 Hours: 3-0 Report Writing

Essential skills of modern technical and business writing, particularly usability, style and structure. Technology as part of the research, writing, revision and presentation processes. Proposals, reports, descriptions, writing for general audiences.

Note: May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B in each course: ENGL 115, 125, 135, 145, 146, 147, 181, 215, ENGR 240.

ENGL 302 Units: 1.5 Hours: 3-0
Government Writing

Essential skills of government writing, particularly usability, style and structure. Technology as part of the research, writing, revision and presentation processes. Policy, operation manuals, reports, writing for the general public, media releases.

Note: Credit will be granted for only one of 302, ADMN 316. May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B in each course: ENGL 115, 125, 135, 145, 146, 147, 181, 182, 215, 225, ENGR 240.

ENGL 303 Units: 1.5 Hours: 3-0
Formerly: 216
Copy Editing for Professional Writers

Intermediate copy editing and preparing print and electronic manuscripts. Topics include editing of style, grammar, mechanics, graphics and document design. Manuscripts on a range of topics, including natural and social sciences, the arts and humanities, and business and technology; use of computer applications.

Notes: - Credit will be granted for only one of 303, 216 (if taken in 2000W or 2001W).

- May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B in each course: ENGL 115, 125, 135, 145, 146, 147, 181, 182, 215, 225, ENGR 240.

ENGL 304 Units: 1.5 Hours: 3-0
Writing Popular Science

The writing of relevant, entertaining, accurate science pieces for the general reader. Explores science as a cultural construct and examines science writing from the 18th century to the present, with an emphasis on contemporary topics.

Notes: - Credit will be granted for only one of 304, 406 (if taken in the same topic).

- May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B in each course: ENGL 115, 125, 135, 145, 146, 147, 181, 182, 215, 225, ENGR 240.

ENGL 305 Units: 1.5 Hours: 3-0
Visual Rhetoric for Professional Writers

Recognition and analysis of visual design to deliver effective professional writing documents for both print and electronic media. Hands-on work using the elements and syntax of visual design. Topics include: working with the practical constraints imposed on visual design by various media; conveying the underlying structure of written documents through visual design; displaying quantitative data; selecting, editing and using photos and illustrations to sustain a document's message(s).

Note: May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B in each course: ENGL 115, 125, 135, 145, 146, 147, 181, 182, 215, 225, ENGR 240.

ENGL 310 Units: 3.0 Hours: 3-0

Formerly: 345

Practical Criticism

A seminar designed to extend awareness of how style and form contribute to meaning in literary works; poetic, narrative and dramatic technique; representative theoretical approaches and their application; the interdependency of literary technique and critical interpretation. Prospective Honours students are strongly advised to take this course in their second year. Students will be allowed to select this course only if they have the approval of the Honours Adviser.

Note: Credit will be granted for only one of 310, 345.

ENGL 337 Units: 1.5 Hours: 3-0

Formerly: 354

Medieval British Literature in Translation

An introduction to the literatures of medieval Britain to c.1500, including English, Anglo-Latin, Anglo-Norman, Celtic or Icelandic works. Major genres may include lyric, epic, history, romance and drama.

Note: Credit will be granted for only one of 337, 354.

ENGL 338 Units: 1.5 Hours: 3-0

Formerly: 355, 346

Introduction to Old Icelandic

An introduction to the Old Icelandic language and to the poems and stories, the *Eddas* and the *Sagas*, that it preserves.

Note: Credit will be granted for only one of 338, 346, 355.

ENGL 339 Units: 1.5 Hours: 3-0

Formerly: 356, 347

Old Icelandic Literature

A study of *Hrafnkel Saga*, *Bandamanna Saga*, *Hervarar Saga* and *Heidreks*, and selected Eddic poems.

Note: Credit will be granted for only one of 339, 347, 356.

Prerequisites: 338 or permission of the instructor.

ENGL 340 Units: 1.5 Hours: 3-0

Formerly: 442 and part of 441

Introduction to Old English

An introduction to the language, culture, and literature of Anglo-Saxon England, including the study of prose texts and poetry.

Note: Credit will be granted for only one of 340, 441, 442.

ENGL 341 Units: 1.5 Hours: 3-0

Formerly: 443 and part of 441

Old English Literature

A study of *Beowulf* and other Old English texts.

Note: Credit will be granted for only one of 341, 441, 443.

Prerequisites: 340.

ENGL 342 Units: 1.5 Hours: 3-0

Early Middle English Literature

An introduction to English language, culture and literature from the 11th to the 13th century. Emphasis on post-Conquest literary politics and textual production.

ENGL 343 Units: 1.5 Hours: 3-0

Later Middle English Literature

An introduction to English language, culture and literature in the 14th and 15th centuries. Emphasis on language politics, rhetorical culture, ideas of authorship and religious reform.

ENGL 344A Units: 1.5 Hours: 3-0

Formerly: 351

Chaucer: Canterbury Tales

A study of Chaucer's *Canterbury Tales*.

Note: Credit will be granted for only one of 344A, 351.

ENGL 344B Units: 1.5 Hours: 3-0

Formerly: 352

Chaucer: Troilus and Minor Works

An introduction to the important works of Chaucer outside the *Canterbury Tales*, primarily *Troilus and Criseyde*, and a selection from his dream visions and lyrics.

Note: Credit will be granted for only one of 344B, 352.

ENGL 348 Units: 1.5 Hours: 3-0

Formerly: 357

Alliterative Traditions

An introduction to and selective study of works in alliterative verse and prose between the late Anglo-Saxon period and the late 15th century. May include *Piers Plowman*, *Sir Gawain and the Green Knight*, *Pearl*, *The Alliterative Morte Arthur*, and Scottish alliterative poems.

Note: Credit will be granted for only one of 348, 357.

ENGL 350 Units: 1.5 Hours: 3-0

Medieval and Renaissance Scottish Literature

An introduction to language, culture and literature of Scotland from the 14th to the early 17th century.

ENGL 353 Units: 1.5 Hours: 3-0

Studies in Medieval English Literature

A study of major literary works and genres of the medieval period (excluding Chaucer). Centres on specific genres (romance, chronicle, drama, lyric, etc.), at the discretion of the instructor, with annual advertisement.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 359 Units: 1.5 Hours: 3-0

16th-Century Poetry and Prose

Major non-dramatic texts of the period, such as More's *Utopia*, Sidney's *Defense of Poesy*, Bacon's *Essays*; lyrics by Sidney, Shakespeare, and other Elizabethans; and a substantial selection from Spenser's *Faerie Queene*.

Note: Credit will be granted for only one of 359, 419.

ENGL 360 Units: 1.5 Hours: 3-0

Special Studies in Shakespeare

This is a variable content course.

This year: Shakespeare's Theatre of Envy.

A study of Shakespeare's "theatre of envy" from the perspective of cultural critic René Girard. Topics include violence, sacrifice, desire, and envy in Shakespeare's plays, and, more broadly, the relation of theory to drama, 20th-century anthropological criticism of Shakespeare, and the state of mimetic theory today.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 362 Units: 1.5 Hours: 3-0

Special Studies in Renaissance Literature

A study of major literary works, genres, or themes of the English Renaissance chosen by the instructor, with annual advertisement. Emphasis will be on non-dramatic works.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 364 Units: 1.5 Hours: 3-0

English Renaissance Drama

Main emphasis is on such major Elizabethan and Jacobean dramatists as Marlowe, Webster, Jonson, Middleton and Ford.

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ENGL 365 Units: 1.5 Hours: 3-0 17th-Century Poetry and Prose to 1660

Major non-dramatic writers of the period, excluding Milton. Among those to be studied in any given year are John Donne and the other Metaphysical poets (Herbert, Crashaw, Vaughan, Marvell, Traherne); Ben Jonson and the Cavalier poets (Herrick, Lovelace, Suckling, Carew); and prose writers such as Bacon, Burton, Browne, Traherne, and Hobbes.

Note: Credit will be granted for only one of 365, 361.

ENGL 366B Units: 1.5 Hours: 3-0 Formerly: part of 366 and 366A

Shakespeare: Histories and Tragedies

Study of such plays as *Richard II*, *Henry IV*, *Henry V*, *Hamlet*, *King Lear*, *Othello*, *Macbeth*, and *Antony and Cleopatra*.

Note: Credit will be granted for only one of 366B, 366, 366A, 366D.

ENGL 366C Units: 1.5 Hours: 3-0 Formerly: part of 366 and 366A

Shakespeare: Comedies, Problem Plays, and Romances

Study of such plays as *A Midsummer Night's Dream*, *As You Like It*, *Twelfth Night*, *The Merchant of Venice*, *Measure for Measure*, *Troilus and Cressida*, *The Winter's Tale*, and *The Tempest*.

Note: Credit will be granted for only one of 366C, 366, 366A, 366E.

ENGL 366D Units: 1.5 Hours: 0-0-1 Formerly: part of 366 and 366A

Shakespeare (Individual Studies): Histories and Tragedies

A version of 366B, in which students will work with written, audio, and video materials in their own time; in addition, there will be tutorials and work in computer labs.

Note: Credit will be granted for only one of 366D, 366, 366A, 366B.

ENGL 366E Units: 1.5 Hours: 0-0-1 Formerly: part of 366 and 366A

Shakespeare (Individual Studies): Comedies, Problem Plays, and Romances

A version of 366C, in which students will work with written, audio, and video materials in their own time; in addition, there will be tutorials and work in computer labs.

Note: Credit will be granted for only one of 366E, 366, 366A, 366C.

ENGL 369 Units: 1.5 Hours: 3-0 Milton: Major Poetry and Selected Prose

A study of *Paradise Lost*, *Samson Agonistes*, and other poems and prose.

ENGL 372 Units: 1.5 Hours: 3-0 Special Studies in 18th-Century Literature

A study of a major aspect of literature in the century. The specific focus of the course will be determined by the instructor and advertised annually.

This year: The 18th Century Now.

A course devoted to recent novels set in the 18th century, examining how and why present-day writers have drawn on the works and lives of 18th-century figures such as the explorer George Cartwright, the naval hero Nelson, the celebrated beauty Emma Hamilton, the forger Thomas Chatterton, the German Romantic poet Novalis and the eccentric man of letters Samuel Johnson.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 373 Units: 1.5 Hours: 3-0 English Literature of the Restoration Period: 1660-1700

Poetry, prose and drama (excluding Milton's) produced between the Restoration of Charles II in 1660 and the close of the 17th century; particular emphasis will be placed upon Dryden and Restoration Comedy.

ENGL 374 Units: 1.5 Hours: 3-0 Swift, Pope, and the Literature of the Augustan Age: 1701-1745

An intensive study of the great age of English satire, with particular emphasis on Swift, Pope and the other satirists of the reigns of Queen Anne and the first two Georges.

ENGL 375 Units: 1.5 Hours: 3-0 Johnson, Blake and the Later 18th Century

A preliminary account of English neoclassicism followed by a study of literature of the Age of Sensibility with special emphasis on Samuel Johnson and his circle and on William Blake.

ENGL 376A Units: 1.5 Hours: 3-0 Formerly: part of 376 and 423

The Beginning of the English Novel: 1660-1750

A study of the development of the English novel in this period, with some attention to social and intellectual backgrounds when these appear to illuminate the novels.

Note: Credit will be granted for only one of 376A, 376, 423.

ENGL 376B Units: 1.5 Hours: 3-0 Formerly: part of 376 and 423

The English Novel: 1750 to the Early 19th Century

A study of the development of the English novel in this period, with some attention to social and intellectual backgrounds when these appear to illuminate the novels.

Note: Credit will be granted for only one of 376B, 376, 423.

ENGL 379 Units: 1.5 Hours: 3-0 Formerly: part of 384

British Fiction and Non-Fiction of the Early 19th Century

Prose writings (novels, autobiography, essays, short stories) of the early 19th century. Focus on works by Jane Austen, Sir Walter Scott, Mary Shelley, James Hogg, Thomas DeQuincey, and the Brontës; Gothic novels, historical novels and novels of manners.

Note: Credit will be granted for only one of 379, 384.

ENGL 380 Units: 1.5 Hours: 3-0 Formerly: part of 384

Victorian Fiction: Dickens to Eliot

A study of major achievements in British fiction during the high Victorian period; focus on works by Charles Dickens and George Eliot; other authors might include the Brontës, Thackeray, Trollope, Collins, Gaskell; issues may include industrialization, the changing roles of women, the impact of history; also realism, serial fiction, the circulating library, illustration, gender and writing.

Note: Credit will be granted for only one of 380, 384.

ENGL 381 Units: 1.5 Hours: 3-0 Formerly: part of 384

Late Victorian and Edwardian Fiction

A study of the changes in fiction as the Victorian period gives way to the modern age; focus on late-Victorian authors such as Hardy, Stevenson, and Wilde, and on pre-World War I figures such as Wells, Bennett, and early Woolf; issues include fin-de-siècle movements, the rise of information technology, the

New Woman and the Dandy, imperial decline; conflicts between realism and neo-romanticism.

Note: Credit will be granted for only one of 381, 384.

ENGL 382 Units: 1.5 Hours: 3-0 Formerly: half of 430

The Romantic Period I

Studies in Wordsworth and Coleridge.

Note: Credit will be granted for only one of 382, 430.

ENGL 383 Units: 1.5 Hours: 3-0 Formerly: half of 430

The Romantic Period II

Studies in Keats, Shelley, and Byron.

Note: Credit will be granted for only one of 383, 430.

ENGL 385 Units: 1.5 Hours: 3-0 Special Studies in 19th-Century British Literature

A study of a specific theme, problem or author of the 19th century. The specific topic will be determined by the instructor and advertised annually.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 386 Units: 1.5 Hours: 3-0 Victorian Poetry

Studies in Tennyson, Arnold, the Brownings, the Rossetis, Swinburne and Hopkins. The achievements of the major Victorian poets will be examined in relation to 19th century theories of aesthetics and poetics, with emphasis on topics such as historiography, medievalism, imperialism, orientalism, decadence, construction of gender, the relations between the sexes, the rise of science, and the decline of faith.

ENGL 387 Units: 1.5 Hours: 3-0 Victorian Culture and Thought

A study of the Victorian prose essay, both as a specific literary genre with its own methods and literary techniques, and as a vehicle for cultural criticism. Authors to be studied include Carlyle, Arnold, Marx, Mill, Martineau, Newman, Ruskin, Cobbe, Pater, Wilde and Laird. Topics include the rise of democracy, the nature of race, the function of the critic, the role of the university, the woman question, consumerism, masculinity, socialism, aestheticism, and decadence.

ENGL 388 Units: 1.5 Hours: 3-0 Special Studies in 20th-Century British Literature

A study of a specific theme, problem or author of the period. The specific topic will be determined by the instructor and advertised annually.

This year: Malcolm Lowry and British Modernism.

A study of the fiction of Malcolm Lowry, an English modernist writer who also made a signal contribution to Canadian literature. Works studied will include Lowry's *Ultramarine*, *Under the Volcano*, and *Hear Us O Lord From Heaven Thy Dwelling Place*, as well as two novels with a considerable influence on Lowry: Conrad's *Nostromo* and Lawrence's *Kangaroo*. Topics include modernist form, intertextuality, relations between biography and fiction, and the representation of alcoholism and madness.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 391 Units: 1.5 Hours: 3-0 Special Studies in Literary Genre

A variable content course which focuses on a specific Literary Genre irrespective of geographic and political boundaries.

This year: The Poetry of Ideas.

Study of philosophical poetry. Topics include how poets think through images; implications of poetic ambiguity for conceptual thought; how the abstract concept is embodied in poetic technique; contemplation versus active social intervention; private versus public thought; the role of the addressee of the poem; the importance of poetic intention versus the importance of poetic effect.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 392 Units: 1.5 Hours: 3-0 Studies in a Major Figure

A study of the works of a single literary figure.

This year: T.S. Eliot.

Examines the poetry and prose of T.S. Eliot to place his work critically in its biographical and historical contexts; studies his early work up to and including *The Waste Land* in relation to early unpublished poems and drafts; examines his critical prose in relation to his self-fashioning as a cultural authority as well as for their interventions into cultural and theoretical matters. Considers his later work in terms of the relationships between poetry, nationality, empire and religion.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 393 Units: 1.5 Hours: 3-0 Myth and Literature

A variable content course which studies texts that develop ideas of myth.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 394 Units: 1.5 Hours: 3-0 Thematic Approaches to Literature

A variable content course which focuses on a specific literary theme in a variety of texts.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 395 Units: 1.5 Hours: 3-0 Special Topics in Cultural Studies

Study of topics based in popular and/or high culture; may include popular fictions, films, and a variety of texts, linking them to wider social signifying practices.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 400 Units: 1.5 Hours: 3-0 Advanced Workshop in Composition

Workshops in general and specialized kinds of writing. Different sections will concentrate on such problems as stylistics, modern theories of grammar, technical writing, business writing, preparation of briefs and reports. The topic for each section will be announced annually.

Note: Classes will be limited to 18 students. Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units with departmental permission. However, only 1.5 units may be used to complete the requirements for an Honours, Major, General or Minor Literature program in English.

Prerequisites: A minimum average grade of B- in 3 units of first-year English, or permission of the instructor.

ENGL 401 Units: 1.5 Hours: 3-0 Web Design

Writing delivered via the World Wide Web with emphasis on usability testing. Techniques and tools for

producing Web pages and sites, including page and site design, navigation, frames, DHTML, annotation, style sheets, JavaScript, rich media.

Note: May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B in each course: ENGL 115, 125, 135, 145, 146, 147, 181, 182, 215, 225, ENGR 240.

ENGL 402 Units: 1.5 Hours: 3-0 Children's Literature

The study of a selection of works drawn from various genres and periods of children's literature, including novel, folk tale, myth, fantasy and picture book.

Note: Credit will be granted for only one of 402, EDCI 347A.

ENGL 404 Units: 1.5 Hours: 3-0 Special Studies in Children's Literature

A study of a special topic in children's literature. The specific topic will be determined by the instructor and advertised appropriately.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 406 Units: 1.5 Hours: 3-0 Special Studies in Professional Writing

A variable content course.

This year: Professional Writing for Print Media.

Printing media genres and techniques for professional writers.

Notes: - May be taken more than once for credit in different topics to a maximum of 3 units with permission of the department.

- May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B in each course: ENGL 115, 125, 135, 145, 146, 147, 181, 182, 215, 225, ENGR 240.

ENGL 407 Units: 1.5 Hours: 3-0 Computer-Mediated Communication

Examines cultural, social and economic processes underlying Computer Mediated Communication (CMC). Assessment of CMC applications such as e-mail, Intranets, personal and commercial PCS systems, and a range of WWW applications and uses. Production and management and critical evaluation of informative, persuasive and interactive websites.

Notes: - Credit will be granted for only one of 407, 406 (if taken in the same topic).

- May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B in each course: ENGL 115, 125, 135, 145, 146, 147, 181, 182, 215, 225, ENGR 240.

ENGL 408 Units: 1.5 Hours: 3-0 Electronic Documentation

Basic principles of creating electronic documentation, including task and audience analysis, usability, interactivity and rich media. Topics include: documentation via text and graphics; animated screen capture; live action video.

Notes: - Credit will be granted for only one of 408, 406 (if taken in the same topic).

- May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B in each course: ENGL 115, 125, 135, 145, 146, 147, 181, 182, 215, 225, ENGR 240.

ENGL 409 Units: 1.5 Hours: 3-0

Formerly: 365

The Bible in English

A course in the Bible as Literature, surveying basic books of the Old and New Testaments, such as Genesis, Deuteronomy, Job, Song of Songs, Psalms, selected Wisdom Literature, Isaiah, selected minor prophets, Matthew, John, Acts, selected Pauline epistles, Hebrews and Revelation. Attention will be paid to the historical influence of the English Bible on the style and structure of English literature, as well as to the intrinsic literary features of the Biblical books themselves.

Note: Credit will be granted for only one of 409, 365 (if taken prior to 1983). Not applicable as Renaissance credit for Major and Honours students.

ENGL 410 Units: 3.0 Hours: 3-0 Backgrounds to English Literary Traditions

A study of intellectual backgrounds to Medieval and Renaissance literature; the contribution of Greek and Biblical materials in the formation of literary commonplaces and critical vocabularies. Among authors and topics that may be studied are Homer, Plato, Aristotle, Biblical writers, Vergil, Patristic theology, and the impact of Renaissance Humanism on the deployment of literary commonplaces and literary critical practice.

Note: Credit will be granted for only one of 410, 410A, 410B.

ENGL 412 Units: 1.5 Hours: 3-0 Research for Professional Writers

An introduction to the research skills, tasks and tools of professional writers. Practice in developing research questions and identifying and evaluating information sources; using search engines, databases, indexes and other electronic sources to gather information; developing research proposals; creating electronic research notebooks and annotated bibliographies; interpreting and reporting data.

Note: May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B in each course: ENGL 115, 125, 135, 145, 146, 147, 181, 182, 215, 225, ENGR 240.

ENGL 413 Units: 1.5 Hours: 3-0 Studies in Film and Literature

A study of various relationships between the art of film and relevant literary works. Topics will vary and will be announced annually.

This year: Joan of Arc in History, Literature, and Film.

An exploration of some of the many attempts to capture the life of Joan of Arc in words and images. Texts will include transcripts of her trial and modern literary and film reworkings of her story. Topics will include the evolving role of saints within the Catholic Church, the treatment of female sanctity in post-Christian culture, Joan's role in French history and society, the relationship between film and literature, and so on.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 414A Units: 1.5 Hours: 3-0 Formerly: part of 414 American Film to 1945

A study of major accomplishments in American film concentrating primarily on films to 1945. Considers film as both a narrative form and a means of reflecting social concerns.

Note: Credit will be granted for only one of 414A, 414.

ENGL 414B Units: 1.5 Hours: 3-0
 Formerly: **part of 414**
American Film Since 1945

A study of major accomplishments in American film concentrating primarily on films since 1945. Considers film as both a narrative form and a means of reflecting social concerns.

Note: Credit will be granted for only one of 414B, 414.

ENGL 415 Units: 1.5 Hours: 3-0
Special Studies in Film

Variable content course.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 416 Units: 1.5 Hours: 3-0
Electronic Expression

Investigates the ideas and techniques of electronic expression with the aim of rethinking the traditional, two-dimensional static versions that professional and technical writers routinely produce, and responding more usefully to the shifting needs of readers.

Notes: - Credit will be granted for only one of 416, 406 (if taken in the same topic).

- May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from the following list with a minimum grade of B in each course: ENGL 115, 125, 135, 145, 146, 147, 181, 182, 215, 225, ENGR 240.

ENGL 425 Units: 1.5 Hours: 3-0
 Formerly: **380**
Special Studies in the Literature of the United States

Specific themes, problems, genres or authors in American literature.

Note: Credit will be granted for only one of 425, 380 (if taken prior to 1995W). May be taken more than once for credit in different topics to a maximum of 3 units with permission of the department.

ENGL 426 Units: 1.5 Hours: 3-0
Studies in North American Literature

A variable content course which examines comparable themes, periods or authors in both Canadian and American Literature.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 427 Units: 1.5 Hours: 3-0
19th-Century American Prose and Poetry

A study of the 19th-century prose and poetry which led to the full maturity of a distinctive social, political and intellectual literature, with particular emphasis on American transcendentalism. Authors may include Emerson, Fuller, Poe, Thoreau, Douglass, Jacobs, Whitman, Dickinson, William James and Du Bois.

ENGL 428A Units: 1.5 Hours: 3-0
 Formerly: **part of 428**
19th-Century American Fiction I

A study of American fiction up to the Civil War. Authors to be covered may include Irving, Cooper, Poe, Hawthorne, Melville, Stowe.

Note: Credit will be granted for only one of 428A, 428.

ENGL 428B Units: 1.5 Hours: 3-0
 Formerly: **part of 428**
19th-Century American Fiction II

American fiction from the Civil War to 1900; authors may include Howells, Twain, James, Crane, Chopin, Alcott, Dreiser.

Note: Credit will be granted for only one of 428B, 428.

ENGL 429A Units: 1.5 Hours: 3-0
 Formerly: **part of 429**
20th-Century American Fiction to World War II

The American short story and novel in the first 40 years of the 20th century; authors may include Gilman, Cather, Hemingway, Fitzgerald, Faulkner, Stein, Steinbeck.

Note: Credit will be granted for only one of 429A, 429.

ENGL 429B Units: 1.5 Hours: 3-0
 Formerly: **part of 429**
Mid-20th-Century American Fiction

The American short story and novel from the 1940s to the 1970s. Among authors that may be studied are O'Connor, Nabokov, Vonnegut, Bellow, Malamud.

Note: Credit will be granted for only one of 429B, 429.

ENGL 429C Units: 1.5 Hours: 3-0
 Formerly: **part of 429**
Contemporary American Fiction

A study of the American novel and short story from the 1970s to the present. The following authors may be included: Toni Morrison, Alice Walker, Tim O'Brien, Raymond Carver, Grace Paley, Don DeLillo, Thomas Pynchon, Ishmael Reed.

ENGL 431A Units: 1.5 Hours: 3-0
 Formerly: **part of 431**
Modern American Poetry I

Focuses on the first generation of American modernist poets whose major work begins to be written before the mid-1920s. Poets may include Ezra Pound, Marianne Moore, T.S. Eliot, Gertrude Stein, Robert Frost, Wallace Stevens, William Carlos Williams, Mina Loy and H.D.

Note: Credit will be granted for only one of 431A, 431.

ENGL 431B Units: 1.5 Hours: 3-0
 Formerly: **part of 431**
Modern American Poetry II

Focuses on poets whose major work begins to be written in the 1920s and 1930s, the period in which Modernism in the arts was establishing its cultural authority. Poets may include Hart Crane, Langston Hughes, Muriel Rukeyser, Louis Zukofsky, Laura Riding, Jean Toomer, George Oppen and Lorine Niedecker.

Note: Credit will be granted for only one of 431B, 431.

ENGL 432A Units: 1.5 Hours: 3-0
 Formerly: **part of 432**
American Poetry: 1950-1975

Detailed study of American poetry from 1950 to 1975. The main poets studied may include: Charles Olson, Robert Duncan, Robert Creeley, Denise Levertov, Frank O'Hara, John Ashbery, Audre Lorde, Adrienne Rich, Elizabeth Bishop, James Merrill.

Note: Credit will be granted for only one of 432A, 432.

ENGL 432B Units: 1.5 Hours: 3-0
 Formerly: **part of 432**
American Poetry: from 1975 to the Present Day

Detailed study of American poetry from 1975 to the present. The main poets studied may include: Jorie Graham, Audre Lorde, Rita Dove, Ai, Lyn Hejinian, Susan Howe, Michael Palmer, Charles Bernstein, Kathleen Fraser, Bob Perlmán.

Note: Credit will be granted for only one of 432B, 432.

ENGL 433 Units: 1.5 Hours: 3-0
Modern Anglo-Irish Literature

Focuses primarily but not exclusively on the Irish Renaissance; emphasis will be placed on Wilde, Yeats, and Joyce, and other authors to be studied may include Shaw, Synge, Stephens, O'Casey, Clarke, O'Connor, and Beckett. The background of ideas and social forces in the period will receive some attention.

ENGL 434A Units: 1.5 Hours: 3-0
 Formerly: **part of 434**
British Poetry 1914-1950

Surveys British and Irish poets from the first half of the 20th century. Focuses on the short- and long-term impact of High Modernism both nationally and internationally as well as the persistence of more traditional and more democratic poetic voices and agendas. Poets may include Hardy, Yeats, Eliot, Owen, Lawrence, Sitwell, Auden, Thomas and MacNeice.

Note: Credit will be granted for only one of 434A, 434.

ENGL 434B Units: 1.5 Hours: 3-0
 Formerly: **part of 434**
British Poetry from 1950 to the Present

Surveys late 20th-century British and Irish poets. Focuses on the proliferation of coteries and schools in the wake of the modernist revolution of the earlier period and the legacies of its major poets. Poets may include Larkin, Hughes, Raine, Harrison, Hill, Tomlinson, Jennings, Heaney, Mahon and Boland.

Note: Credit will be granted for only one of 434B, 434.

ENGL 435 Units: 1.5 Hours: 3-0
 Formerly: **465**
Modernist Poetry

A course on three major international Modernist English-language poets. Poets to be studied may include: Ezra Pound, H.D., T.S. Eliot, William Carlos Williams, Marianne Moore, Gertrude Stein, W.B. Yeats, Mina Loy.

Note: Credit will be granted for only one of 435, 465.

ENGL 436A Units: 1.5 Hours: 3-0
 Formerly: **part of 436**
20th-Century British Fiction to World War II

Fiction of the British Isles in the first half of the 20th century. Emphasis is both critical and historical. Students are urged to form their own judgments with little reference to the works of critics. Authors may include Joseph Conrad, E.M. Forster, James Joyce, Virginia Woolf, D.H. Lawrence, Evelyn Waugh, Samuel Beckett, and Graham Greene.

Note: Credit will be granted for only one of 436A, 436.

ENGL 436B Units: 1.5 Hours: 3-0
 Formerly: **part of 436**
20th-Century British Fiction After World War II

Fiction of the British Isles in the second half of the 20th Century. Emphasis is both critical and historical. Students are urged to form their own judgments with little reference to the works of critics. Authors may include Evelyn Waugh, Kingsley Amis, Raymond Williams, Anthony Burgess, Graham Greene, John Fowles, Margaret Drabble, Iris Murdoch, William Golding, Ian McEwan, Fay Weldon, Martin Amis, Pat Barker.

Note: Credit will be granted for only one of 436B, 436.

ENGL 437A Units: 1.5 Hours: 3-0
 Formerly: **part of 437**
Modern Drama to World War II

The play as a literary form; examination of styles, techniques, themes and moods in drama from the 19th century through to the Second World War; theories and techniques of acting, theatre design, and audience requirements. Emphasis on British and American theatre, with consideration of influential European playwrights and movements.

Note: Credit will be granted for only one of 437A, 437.

ENGL 437B Units: 1.5 Hours: 3-0
 Formerly: **part of 437**
Modern Drama Since World War II

An examination of styles, techniques, themes and moods in drama from the Second World War to the present; theories and techniques of performance, production, and reception, particularly as these affect



both the writing and the reading of the play as text. Emphasis on British and American theatre, but with consideration of influential European playwrights and movements, and of post-colonial developments.

Note: Credit will be granted for only one of 437B, 437.

ENGL 438 Units: 1.5 Hours: 3-0
Special Studies in Post-Colonial Literature and Theory

A study of a major aspect of post-colonial literature and/or theory. The specific focus of the course will be determined by the instructor and advertised annually.

This year: White Writing in the South African (Post) Colony.

Study of three influential white South African writers - Olive Schreiner, Nadine Gordimer, and J.M. Coetzee - in relation to the history and discourses of (post)colonialism: the pressure upon literature to serve as a vehicle of political speech protesting the violent and on-going legacies of Empire and Apartheid rule; politics of race, gender, and postcolonial truth and reconciliation; postcolonial theory that helps to illuminate South African contexts by authors such as Edward Said, Anne McClintock, and Jean and John Comaroff.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 439A Units: 1.5 Hours: 3-0
 Formerly: part of 439
Colonial Discourse and Postcolonial Studies

An introduction to the major debates of colonial and postcolonial studies; notions of "colonialism" in such areas as Africa, India, Latin America, Australia, and the Caribbean; concepts such as nationhood, community, diaspora, exile, and home; recent political, ecological, gender, and subaltern movements; works by such authors as Conrad, Rushdie, Head and Said.

Note: Credit will be granted for only one of 439A, 439.

ENGL 439B Units: 1.5 Hours: 3-0
 Formerly: part of 439
Special Studies in Postcolonial Literatures

A study of major writers and/or literatures to emerge from a formerly colonized area, such as India, Africa, Australia, or the Caribbean.

Note: Credit will be granted for only one of 439B, 439. Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 440 Units: 1.5 Hours: 3-0
The History of the English Language

The development of the English Language from its Germanic origins to the 19th century, with particular reference to semantic, etymological, phonetic, morphological and syntactic modifications of primary importance to an understanding of English literature.

Note: Credit will be granted for only one of 440, 390; LING 390.

ENGL 448 Units: 1.5 Hours: 3-0
Special Studies in Canadian Literature

A study of a major theme, problem, genre or author in Canadian Literature, determined by the instructor and advertised annually.

This year: The Politics and Poetics of Literary Space in Contemporary Canadian Writing.

Examination of contemporary Canadian fiction, poetry, and prose poetry with particular focus on roles space plays in creating textual meaning. Introduction and application of concepts from human geography and elsewhere including toponophilia, diaspora, migrancy, globalization, cartography and colonization. Authors to be studied may include Joseph Boyden, Lawrence Hill, David Bezmozgis, Roo Borson,

Shauna Singh Baldwin, Anne Carson, Bill Gaston, Michael Ondaatje.

This year: Reading Diaspora.

Study of diasporic literature in Canada, literature that arises out of or speaks to the scattering of a people from their original homeland; examination of complexities of race, gender, hybrid identity, cultural syncretism and memory that mark the diasporic condition via the contemporary fiction and poetry of South Asian, Chinese, and Black diasporic writers in Canada, including Madeleine Thien, M.J. Vassanji, Wayson Choy, Rohinton Mistry, Fred Wah, Dionne Brand, and David Chariandy.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 449 Units: 1.5 Hours: 3-0
Special Studies in Contemporary Literature

A study of significant literary works published during the past 15 years. Focuses on themes and issues engaged by authors from throughout the English-speaking world.

This year: Uses of the Past in Contemporary Queer Literature.

A study of recent Irish, American and Canadian novels focusing on writers' engagement with the past, including consideration of the handling of historical events and circumstances, questions of sexual minority status, and the familial and social ramifications of gender and sexuality.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 450 Units: 1.5 Hours: 3-0
Modern Canadian Fiction

A study of modern realist Canadian fiction of the early and mid-20th century addressing questions of nationalism and regionalism, the representation of gender and ethnicity. May include fiction by writers such as MacLennan, Wiseman, Marlyn, Grove, Wilson, Watson and Ross.

ENGL 451 Units: 1.5 Hours: 3-0
Contemporary Canadian Fiction

A study of contemporary realist and other forms of recent Canadian fiction, including historiographic and experimental metafiction. Post-structuralist critique of representation and challenges to the canon by ethnic minority, aboriginal, and feminist writing. Writers may include Marlatt, Bowering, Lai, Ondaatje, Brand and King.

ENGL 452 Units: 1.5 Hours: 3-0
Modern Canadian Poetry

A study of forms and historical contexts of modern Canadian poetry. The modernist reaction against Victorian poetic diction; poetry and nationalism; the importance of women and ethnic poets; the role of the poet and the professionalization of poetry; some attention to the long poem. Writers may include Birney, Scott, Livesay, Purdy and Klein.

Note: Credit will be granted for only one of 452, 397.

ENGL 453 Units: 1.5 Hours: 3-0
Contemporary Canadian Poetry

Canadian poetry since 1970, with an emphasis on recently-published works. Environmental and social activist voices, as well as writing based in post-structuralist theories of language. May include works by Scofield, Kroetsch, Moure, Carson, McKay and Zwicky.

Note: Credit will be granted for only one of 453, 397.

ENGL 455 Units: 1.5 Hours: 3-0
Canadian Literature in Transnational Times

Canadian literature read in contexts of globalization past and present; the cosmopolitan character of Canadian writing reflecting migration across diverse cultures and geographies; questioning of what counts as Canadian literature, and of national citizenship and identity. Writers may include Jann Martel, Rohinton Mistry, Anita Badami, Jaspreet Singh and Larissa Lai.

ENGL 456 Units: 1.5 Hours: 3-0
Literature of British Columbia

A study of the ways in which British Columbia is represented in literature. Includes such authors as Ethel Wilson, Howard O'Hagan, George Bowering, Jack Hodgins, Daphne Marlatt, Martin Allerdale Grainger, Emily Carr.

ENGL 457 Units: 1.5 Hours: 3-0
Literary and Cultural Criticism in Canada

Readings in the history of Canadian criticism, covering a range of feminist, poststructuralist, postcolonial, Marxist, diasporic, queer, and ecocritical approaches to issues in literature and culture. Writers may include E.K. Brown, Northrop Frye, George Grant, Linda Hutcheon, Frank Davey, Thomas King, Nicole Brossard, Terry Goldie, Diana Brydon, Len Findlay, Daniel Coleman and Pamela Banting.

ENGL 458 Units: 1.5 Hours: 3-0
 Also: FRAN 417
Comparative Studies in Contemporary French and English Canadian Literature

An introduction to the comparative study of contemporary Canadian Literature in both official languages. Classes will be conducted in English; readings and assignments can be done in either language. However, students taking a Combined Major in Canadian Literature must read the texts in the original. May include works by George Bowering, Daphne Marlatt, Lola Lemire Tostevin, Jacques Poulin, Tomson Highway and Nicolas Dickner.

Note: Credit will be granted for only one of 458, FRAN 417, FREN 487.

ENGL 459 Units: 1.5 Hours: 3-0
Early Canadian Literature

A survey of early texts and their influences on the development of Canadian literature before the 20th century. Genres may include exploration and settler writing, short fiction, poetry, historical narratives, cultural documents, and the novel. Writers may include Richardson, Haliburton, Kirby, Moodie, Duncan, and Roberts.

ENGL 460 Units: 1.5 Hours: 3-0
 Formerly: 446
Major Issues in Literary Criticism

Explores recurring problems and issues central to the discipline of literary studies, such as the nature of literary genres and literary language; the category of the author; the evolution of the social and aesthetic functions of literature; and the relationship between literary cosmopolitanism and various forms of literary nationalism.

Note: Credit will be granted for only one of 460, 446.

ENGL 461 Units: 1.5 Hours: 3-0
Introduction to Contemporary Literary Theory

Literary theory studies of what literature is, how it functions, and how it produces meaning. On the one hand, literary theory illuminates the norms, conventions, and rules that make literature possible. On the other hand, literary theory reflects on the function and meaning of criticism itself. Students will become familiar with such theories as New Criticism, Structuralism, Psychoanalytic theory, Hermeneutics, Deconstruction, Marxist Criticism, and Feminist Criticism.

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cism; they will then be able to work with theoretical concepts, issues, and terminology.

Note: Credit will be granted for only one of 461, and any of 447, 467, 468.

ENGL 462 Units: 1.5 Hours: 3-0 Studies in Modern Critical Theory

A study of selected topics in modern literary theory and criticism. The specific topic will be advertised annually.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 463 Units: 1.5 Hours: 3-0 Studies of Women and Critical Theory

A variable content course on issues relating to women in the context of different theoretical approaches.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 466 Units: 1.5 Hours: 3-0 Cultural Studies

An interdisciplinary study of issues in contemporary culture, especially the impact of popular culture on postmodern self-understanding; individual instructors may focus on various cultural manifestations, ranging from print media (novels, magazines, posters, newspapers) to visual media (film, TV, art, architecture), electronic media (Internet) to music; themes may include commodification, the construction of identity, ideological manipulation, hyperreality.

ENGL 467 Units: 1.5 Hours: 3-0 Honours Seminar: Early 20th-Century Literary Theory

Varieties of literary and critical theory from the first half of the 20th century. Examines the theories in themselves and considering how they emerged from their historical matrices. Includes theoretical developments in continental Europe, such as Russian Formalism and the Marxist tradition of literary analysis.

Note: Credit will be granted for only one of 467, 461.

ENGL 468 Units: 1.5 Hours: 3-0 Honours Seminar: Late 20th-Century Literary Theory

Literary and critical theory in the later part of the 20th century. Covers poststructuralist strategies (in deconstruction, psychoanalysis, new historicism, and feminism) and the "politicization of aesthetics" (in neo-Marxist theory, postcolonialism, gender studies and cultural studies). Literary texts in relation to capitalist, patriarchal, Eurocentric, and heteronormative discourses.

Note: Credit will be granted for only one of 468, 461.

Prerequisites: 467.

ENGL 470 Units: 1.5 Hours: 3-0 Women's Literary Traditions

A variable content course which explores the role of women writers in any area of literary history; it may examine specific genres or themes used by women authors.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 471 Units: 1.5 Hours: 3-0 Women and Literature

A variable content course involving texts by and about women, and examining feminist perspectives on literature.

This year: Contemporary Feminist Fiction.

Politically engaged feminist fiction from the last four decades, in the context of post-feminist literary criti-

cism. Authors discussed will include Atwood, Lessing, Winterson, Morrison, Walker.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 472 Units: 1.5 Hours: 3-0 Gender Issues in Literature

A variable content course on a range of theories about the construction of sexual and gender identities (such as masculinity and femininity).

This year: Performing Maternity.

A study of the performance of mothering in drama from ancient Greek to contemporary theatre. Draws upon theories of the performative nature of gender and historicized perceptions of sex and body to interrogate changing concepts of the project of mothering. Considers the relationship of mothering to the production of individual and communal identities and conceptions of mothering beyond the biological. Playwrights include Euripides, Shakespeare, Wood, Robbins, O'Casey, Brecht, Hansberry, Tremblay, Carr, Clements, Wertenbaker, Lill.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 473 Units: 1.5 Hours: 3-0 Women Writers in English from the Medieval to the Augustan Age

An examination of early women writers' responses to major literary genres; social, political, and spiritual issues; interaction with recognized male writers; distinctive literary traditions and relationships.

Prerequisites: Strongly recommended: 150/151, 200 or 200A/200B; students without these courses should obtain the instructor's advice about background reading before the course begins.

ENGL 474 Units: 1.5 Hours: 3-0 Women Writers from the Age of Sensibility to the Victorian Era

An examination of women writers from Burney to Eliot; major literary genres; social, political, and spiritual issues; interaction with male writers; formation of distinctive literary traditions and relationships.

Prerequisites: Strongly recommended: 150/151, 200 or 200B/200C; students without these courses should obtain the instructor's advice about background reading before the course begins.

ENGL 475 Units: 1.5 Hours: 3-0 Special Studies in Ethnic American Literature

A study of one or more 20th-century minority American literary traditions, including African American, Asian American, Latino/a, Native American, Jewish American, Arab American and others.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 476 Units: 1.5 Hours: 3-0 Indigenous and Diasporic Literatures in Canada

Comparative analysis of indigenous and diasporic writing emerging out of colonialism and migration. Writers may include Thomas King, Tomson Highway, Eden Robinson, M.G. Vassanji, Shani Mootoo and Madeline Thein.

ENGL 477 Units: 1.5 Hours: 3-0 Indigenous Literature in English

A study of writing by established and emergent Indigenous writers. Approaches may be comparative or international in perspective. Readings will consider the devices, tropes, narratives, discourses and genres that have been used to represent and give voice to indigenous perspectives. May include authors from a particular region or be more broadly global in

reach. The approach to texts will be dialogic and historically-informed.

ENGL 478 Units: 1.5 Hours: 3-0 Special Studies in Literature and Environment

A study of topics in the field of ecocriticism, including how human relationships to natural landscapes and animals are mediated through literature; literature in relation to imperial, colonial and capitalist ecologies; literary production as shaping and shaped by global agencies and events of nature; the role of literature in an era of globalization and ecological crisis.

This year: A History of Nature Writing.

A study in the development of nature writing in North America, through the lenses of environmental crisis and recovery, that connects nature writing to autobiography and science writing; develops a historical perspective on nature writing in order to sharpen students' approach to contemporary issues and texts; introduces the discourse of ecocriticism; and links and contrasts the seminal American works of Thoreau and Leopold with contemporary Canadian writings.

Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 490 Units: 1.5 Hours: 3-0 Directed Reading in English

A specified reading project for Honours students to be determined by the student and the instructor; written assignments will be required.

Note: ENGL 490 is a tutorial intended primarily for students in the Honours Program, and must be approved by individual instructor, the Director of Honours and the Chair of the department. Please consult Department policy on "Directed Reading" in the General Information section.

ENGL 491 Units: 1.5 Hours: 3-0 Directed Reading in English

Further supervised study in some area of English literature; written assignments will be required.

Note: Credit will be granted for only one of 491, 490 (if taken for 3 units prior to 1976-77). ENGL 491 is a tutorial intended primarily for students in the Honours Program. Students registering for this course must first obtain the approval of the individual instructor, the Director of Major Programs or the Director of Honours Programs, and the Chair of the department. Please consult department policy on "Directed Reading" in the General Information section.

ENGL 492 Units: 1.5 Hours: 3-0 Directed Reading: Advanced Topics in Professional Writing

A specific writing project in some area of Professional Writing to be determined by the student and the instructor. Students must have the approval of the instructor, the Director of the Professional Writing Program, and the department Chair.

Notes: - May be taken more than once for credit in different topics to a maximum of 3 units. Students must have the approval of the instructor, the Director of the Professional Writing Program, and the department Chair.

- May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.

Prerequisites: 3 units from 401, 406, 407, 408, 412.

ENGL 499 Units: 1.5 Hours: 0-0-2 Graduating Essay in Honours

The graduating essay will be done under the guidance of an individual tutor assigned in third- and fourth-years.

Prerequisites: Honours standing in fourth-year.

ENGR**Engineering****Faculty of Engineering**

Courses offered by the Faculty of Engineering are also found under the following course codes: CENG (Computer Engineering), CSC (Computer Science), ELEC (Electrical Engineering), MECH (Mechanical Engineering) and SENG (Software Engineering).

ENGR 001 Units: 4.5
Work Term 1

Students are employed for a work term, normally of four months' duration. Competencies typically addressed include personal management and work place behaviour. Provides an introduction to a productive work experience that is related to the student's program of studies and individual interests.

Note: This is a Co-operative Education work term as defined on page 45 and thus the Co-op work term tuition fee on page 42 applies.

Prerequisites: 020 and approval of the Faculty.

ENGR 002 Units: 4.5
Work Term 2

Students are employed for a work term, normally of four months' duration. Competencies typically addressed include communication and teamwork. Should generally provide an increased level of responsibility in an area that is related to the student's program of studies and individual interests.

Note: This is a Co-operative Education work term as defined on page 45 and thus the Co-op work term tuition fee on page 42 applies.

Prerequisites: 001; 120 or 240; and approval of the Faculty.

ENGR 003 Units: 4.5
Work Term 3

Students are employed for a work term, normally of four months' duration. Competencies typically addressed include managing information, research and problem solving, and commitment to quality. Should generally provide an increased level of responsibility in an area that is related to the area of specialization in the student's program of studies.

Note: This is a Co-operative Education work term as defined on page 45 and thus the Co-op work term tuition fee on page 42 applies.

Prerequisites: 002; 120 or 240; and approval of the Faculty.

ENGR 004 Units: 4.5
Work Term 4

Students are employed for a work term, normally of four months' duration. Competencies typically addressed include project and task management, social responsibility and continuous learning. Should generally provide a path to a career choice in the student's anticipated degree.

Note: This is a Co-operative Education work term as defined on page 45 and thus the Co-op work term tuition fee on page 42 applies.

Prerequisites: 003 and approval of the Faculty.

ENGR 020 Units: 0 Hours: 1-0
Introduction to Professional Practice

Awareness of the role and responsibilities of Professional Engineers in society with respect to the environment, ethics, equity, public and worker safety and health considerations. Introduction to technical and other forms of work term and/or work experience report preparation, understanding national and international placement standards, WCB standards, engineering logbooks. Development of effective interview techniques, skill assessment and analysis, career

management and development. Preparation of resumes and cover letters.

Grading: COM, N, F.

ENGR 110 Units: 2.5 Hours: 4-2-0
Design and Communication IA

Introductory principles of engineering design processes through practical projects to be undertaken by teams of students; integrated development and demonstration of writing, research, design and presentation skills through research and design projects. Writing, research and organizational skills appropriate for University level writing.

Note: Students who score level 5 or 6 on LPI may not take this course. Credit will be granted for only one of 110, 111, (112 or ELEC 199, ENGL 115 or 135). Not open to students with credit in ENGL 115 or 135.

Prerequisites: A score of level 4 on LPI or successful completion of ENGL 099.

ENGR 111 Units: 2.5 Hours: 4-2-0
Design and Communication IB

Introductory principles of engineering design processes through practical projects to be undertaken by teams of students; integrated development and demonstration of writing, research, design and presentation skills through research and design projects. Practice of skills needed for successful academic writing; analysis of rhetorical, stylistic, research and documentation techniques through practical writing assignments.

Note: Credit will be granted for only one of 111, 110, (112 or ELEC 199, ENGL 115 or 135). Not open to students with credit in ENGL 115 or 135.

Prerequisites: A qualifying English 12 grade, or an LPI score of 5 or 6.

ENGR 112 Units: 1.0 Hours: 1-2-0
Design I

Introductory principles of engineering design processes through practical projects to be undertaken by teams of students.

Note: Credit will be granted for only one of 112, 110, 111, ELEC 199.

Prerequisites: ENGL 115 or 135.

ENGR 120 Units: 2.5 Hours: 4-2-0
Design and Communication II

Principles of engineering design with application to computer, electrical, mechanical and software engineering through practical projects to be undertaken by teams of students; integrated development and demonstration of writing, research, design and presentation skills through research and design projects. Searching and referencing methods used in dealing with scientific and technical literature and the characteristics of effective technical and scientific style. The emphasis throughout will be on clarity, precision, and consistency. Students will acquire practical experience in the writing of short technical documents such as memoranda, letters and abstracts, longer forms such as reports, papers, and theses, and instructional forms such as manuals, brochures, and specifications.

Note: Credit will be granted for only one of 120, 121. Not open to students with credit in 240 or ENGL 225.

Prerequisites: 110 or 111 or (112 or ELEC 199, ENGL 115 or 135).

ENGR 121 Units: 1.0 Hours: 1-2-0
Design II

Principles of engineering design with application to computer, electrical, mechanical and software engineering through practical projects to be undertaken by teams of students.

Note: Credit will be granted for only one of 121, 120.

Prerequisites: 110 or 111 or (112 or ELEC 199, ENGL 115 or 135), 240 or ENGL 225.

ENGR 141 Units: 1.5 Hours: 3-0-1
Formerly: MECH 141
Engineering Fundamentals I

Forces, moments of forces, couples, resultants of force systems; distributed loads; hydrostatics; conditions of equilibrium and applications to particles and rigid bodies in two dimensions; analysis of statically determinate structures including beams, trusses and arches; bending moment and shear force diagrams; dry friction.

Note: Credit will be granted for only one of 141, MECH 141, 241, 245.

ENGR 240 Units: 1.5 Hours: 3-0
Technical Writing

Searching and referencing methods used in dealing with scientific and technical literature and on the characteristics of effective technical and scientific style. The emphasis throughout will be on clarity, precision, and consistency. Students will acquire practical experience in the writing of short technical documents such as memoranda, letters and abstracts, longer forms such as reports, papers, and theses, and instructional forms such as manuals, brochures, and specifications.

Note: Credit will be granted for only one of 240, ENGL 225, 226, 240.

Prerequisites: 110 or 111 or ENGL 115 or 135.

ENGR 280 Units: 1.5 Hours: 3-0
Engineering Economics

Macroeconomic principles: money, interest rates, growth. Microeconomic principles: demand and supply, production, consumer utility and elasticity. Net present value, equivalence, rate of return. Public vs. private sector cost-benefit analysis, externalities, risk and uncertainty. Industry and innovation life cycles.

Note: Credit will be granted for only one of 280, ADMN 310, ECON 103.

Prerequisites: MATH 110, 133, 211 or 233A.

Pre- or corequisites: STAT 254 or 260.

ENGR 297 Units: 1.5 Hours: 3-0
Technology and Society

Introduces the student to the effects of technology on society. The ethical, environmental, cultural, social, economic and political issues raised by technological change will be emphasized. The concepts of sustainable development and environmental stewardship will be discussed.

Pre- or corequisites: 240 or ENGL 225 or 240.

ENGR 400 Units: 1.5 Hours: 0-6
Sustainable Energy Systems Design Project

Students, working in teams and under the supervision of a faculty member, will undertake a significant engineering design project related to sustainable energy systems. Projects are interdisciplinary, industry-based and span the full range of the design process from client needs analysis to physical or virtual prototype.

Prerequisites: Permission of the student's department or, for BSEng students, the Program Director.

ENGR 446 Units: 1.0
Technical Report

A major technical report demonstrating written communication and analytical skills. The report topic must be approved by the Engineering and Computer Science/Math Co-op Program Manager at least two months prior to submission. Work Term Report Guidelines in effect at the time of registration govern report style and format.

Prerequisites: 002 and credit for 6 units of 400-level courses taken within the Faculty of Engineering.

Corequisites: 003.

ENGR 466 Units: 3.0 Hours: 0-6
Integrated Mechatronics and Embedded Systems Project

Students will undertake a significant design project working in multidisciplinary teams. The focus of the project will be the development of a Mechatronics/Embedded System for a specified industrial application. The objective of the project will be to develop and test a full or partial prototype.

Note: Open only to students in an MES option or program or by pre and corequisites.

Prerequisites: MECH 350 and 360 and one of MECH 405 or MECH 458 or CSC 230 or CENG 255.

Corequisites: MECH 435.

ENGR 498 Units: 1.5 Hours: 3-0
Engineering Law

Sources and classification of law; professional engineering legislation, registration and discipline; introduction to tort law including negligence; introduction to contract law including employment law. Ethics in professional practice.

Prerequisites: Completion of terms 1A to 3B.

ENT

Entrepreneurship
Faculty of Business

Courses offered by the Faculty of Business are also found under the following course codes: COM (Commerce), SMTG (Service Management), IB (International Business), MBA (Master's of Business Administration).

ENT 402 Units: 1.5 Hours: 3-0
Formerly: 302
Entrepreneurship and Small Business for the Non-Specialist

The impact of entrepreneurship and the function of the entrepreneur in new venture creation. A framework is developed which incorporates marketing feasibility studies and financial analysis into a comprehensive business plan. The business venture is examined with respect to financial planning, marketing, management, and tax decisions at the various stages of the business life cycle.

Note: Credit will be granted for only one of 402, 302. Enrolment limited to students outside the Entrepreneurship area of specialization.

Prerequisites: COM 220 and COM 250, or COM 321 and COM 351, and fourth-year standing or permission of the Program Director.

ENT 410 Units: 1.5 Hours: 3-0
Venture Marketing Expertise (Promise Skills)

As part of the integrated Entrepreneurship Core Semester, this course material is designed to help students to develop the conceptual tools and techniques needed for market scanning, opportunity recognition, product development, market acceptance, and the establishment and maintenance of venture stakeholder relationships. This element of the Entrepreneurship area of concentration will help students to develop skills in identifying and building the market relationships upon which successful entrepreneurship is based.

Prerequisites: Third-year Commerce core or permission of the Program Director.

Corequisites: 411, 412, 413 and registration in the special entrepreneurship section of COM 400.

ENT 411 Units: 1.5 Hours: 3-0
Venture Planning/Finance Expertise (Planning Skills)

As part of the integrated Entrepreneurship Core Semester, this course material is designed to help stu-

dents develop the conceptual tools and techniques necessary to identify critical venture attributes and processes, and the consequent financial outcomes of venture creation decisions. This element of the Entrepreneurship area of concentration will help students to develop skills in recognizing the decision points and enacting the choice patterns that lead to relevant venture outcomes.

Prerequisites: Third-year Commerce core or permission of the Program Director.

Corequisites: 410, 412, 413 and registration in the special entrepreneurship section of COM 400.

ENT 412 Units: 1.5 Hours: 3-0
Acquiring Expert Venture Cognitions

As part of the integrated Entrepreneurship Core Semester, this course is designed to provide an overarching conceptual framework within which to integrate the other course materials that students encounter within the Entrepreneurship specialization. Students examine the process and content (sequence and norms) of New Venture Expert Scripts, creating their own master and sub-scripts that enable them to become independent economic actors. Students create individual verbal and written searching, screening, planning, financing, start-up and harvesting scripts.

Prerequisites: Third-year Commerce core or permission of the Program Director.

Corequisites: 410, 411, 413 and registration in the special entrepreneurship section of COM 400.

ENT 413 Units: 1.5 Hours: 3-0
Portfolio Practicum

As part of the integrated Entrepreneurship Core Semester, this course helps students to further integrate into practice the concepts experienced within the Entrepreneurship specialization. Students participate in industry tours, networking sessions, start-up experiences, visits from guest speakers, case studies and industry immersions. From these experiences, students create a portfolio that demonstrates to instructors, investors and other stakeholders their mastery of new venture skills and abilities, and the practical integration of knowledge sets acquired in the Entrepreneurship Program.

Prerequisites: Third-year Commerce core or permission of the Program Director.

Corequisites: 410, 411, 412 and registration in the special entrepreneurship section of COM 400.

ENT 421 Units: 1.5 Hours: 3-0
Global Venture Expertise

Designed to help students to understand and to begin to acquire the expertise necessary for successful venturing in the global environment. Building upon a foundation of generally accepted models of international venturing, and using the basic transaction model of international entrepreneurship, this course explores the knowledge necessary to create "global start-ups," acquire sustained competitive advantage, and make global venturing decisions in light of the opportunities and threats faced by entrepreneurs in today's global economy.

Prerequisites: 410, 411, 412, 413, COM 400.

EOS

Earth and Ocean Sciences
School of Earth and Ocean Sciences
Faculty of Science

EOS 110 Units: 1.5 Hours: 3-3
Also: GEOG 110
Oceans and Atmosphere

Origin and structure of the oceans and atmosphere. Dynamic processes that drive ocean and atmosphere circulation, weather patterns and global climate change. The coastal ocean, marine ecosystems, nu-

trient and carbon cycles, human influences on ocean environments, marine resources, and sustainability.

Notes: - Credit will be granted for only one of 110, GEOG 110, 203B, 213, 216, EOS 350.

- Credit will be granted for only two of the following courses with no more than one course from a particular group:

- Group 1. EOS 100, EOS 101;

- Group 2. EOS 110, GEOG 110, GEOG 216;

- Group 3. EOS 120, GEOG 120, GEOG 217.

EOS 120 Units: 1.5 Hours: 3-3
Also: GEOG 120
The Dynamic Earth

Internal and external processes that shape the Earth and its landscapes. Nature of tectonic forces, earthquakes, volcanoes, rocks and minerals, and mountain building. Processes of erosion, sediment transport and deposition, and glaciation. Global water cycle and hydrological processes. Geologic record of past environmental change and its impact on life. Natural resources, natural hazards, and sustainability.

Notes: - Credit will be granted for only one of 120, GEOG 120, 203A, 213, 217.

- Credit will be granted for only two of the following courses with no more than one course from a particular group:

- Group 1. EOS 100, EOS 101;

- Group 2. EOS 110, GEOG 110, GEOG 216;

- Group 3. EOS 120, GEOG 120, GEOG 217.

EOS 170 Units: 1.5 Hours: 3-0
Formerly: part of 370
Natural Hazards

An overview of natural hazards including earthquakes, volcanoes, tsunamis, landslides, flooding, extreme weather, and meteor impacts. Particular attention is given to hazards related to climate change, hazards affecting southwestern British Columbia, and important historic natural disasters. This is an introductory-level course that does not require a science/math background.

Note: Credit will be granted for only one of 170, 370.

EOS 201 Units: 1.5 Hours: 3-3
Sedimentary Geology

The physical, chemical and biological nature of sediments at sea and on land. The process of sediment transport, deposition and diagenesis. The origin and internal stratigraphy of sedimentary basins in the context of plate tectonics. The sedimentary record as used to reconstruct past climates, geographies, and earth and ocean dynamics. The geological evolution of western Canada as deduced from its stratigraphic record.

Prerequisites: 110, 120, 205.

EOS 202 Units: 1.5 Hours: 3-3
Structural Geology

Geometric, kinematic and dynamic analysis of deformation structures in rock bodies at different scales, in both brittle and ductile regimes. Stress and strain in rocks and their relationship to geologic structures. Interpretation of the physical mechanisms of folding and faulting in rocks with structural data and geological maps. The origin of crustal deformation in the context of plate tectonics.

Prerequisites: 110, 120.

EOS 205 Units: 1.5 Hours: 3-3
Mineralogy

Introduction to the fundamental principles and concepts of mineralogy and optical mineralogy. A practical and systematic treatment of the common rock-forming minerals and mineral groups. Emphasis will be placed on understanding the behaviour of miner-

als in relation to changing physical and chemical conditions in igneous, metamorphic, and sedimentary environments.

Prerequisites: 110, 120; CHEM 101, 102.

EOS 210 Units: 1.5 Hours: 3-0

Also: PHYS 210

Introductory Geophysics

Introduction to seismology, gravity, geomagnetism, paleomagnetism and heat flow, and how they contribute to our understanding of whole Earth structure and plate tectonics.

Note: Credit will be granted for only one of 210, PHYS 210.

Prerequisites: Any one of PHYS 112, 120 or 122; MATH 100 and 101.

EOS 225 Units: 1.5 Hours: 3-0-1

Earth System Modelling

An introduction to the construction, analysis, and interpretation of quantitative models of the Earth System and its components, with a particular emphasis on the use of computers in scientific problem solving. Both process models and statistical models will be discussed. Topics may include simple models of mountain building, reaction kinetics, global energy balance, ecosystem dynamics, the geothermal gradient, and ocean tides.

Prerequisites: 202; one of PHYS 102, 112, or 120 and 220.

Pre- or corequisites: MATH 202 or two of 200, 201, 205; one of STAT 255, 260, GEOG 226; or permission of the department.

EOS 240 Units: 1.5 Hours: 3-3

Geochemistry

Thermodynamic and kinetic approaches to understanding the Earth system. Application of theory to practical questions such as mineral formation, weathering, water quality, and petroleum formation. Also covered is short-term ocean and atmospheric geochemistry and long-term Earth history geochemistry.

Note: Credit will be granted for only one of 240, 360 (if taken prior to 1993W).

Prerequisites: 110, 120, 205; CHEM 245.

EOS 260 Units: 1.5 Hours: 3-0

Earth System Evolution through Deep Time

Earth evolution has involved long periods of stability punctuated by catastrophic irreversible crises. Focuses on multidisciplinary research into the causes and consequences of key planetary crises including: birthing of the moon, the great oxidation event, the Neoproterozoic snowball Earth, the great Permian extinction, and the Cretaceous superplume. Implications for the future evolution of the Earth System are investigated.

Pre- or corequisites: 110, 120.

EOS 300 Units: 1.5

Earth Science Field School

An up to two-week field course in and around southern Vancouver Island during which the students will be introduced to geological fieldwork (mapping, traversing, drawing sedimentary logs, sampling, recording field notes) and the regional geology and tectonics of Vancouver Island. Normally held in late April - early May after examinations for Year 2.

Prerequisites: 201, 202, 205.

EOS 311 Units: 1.5 Hours: 3-3

Also: BIOL 311 (formerly BIOL 311B)

Biological Oceanography

An introduction to the ways in which physical, chemical and biological processes interact to regulate structure and productivity of marine ecosystems. Lectures will focus primarily on planktonic ecosystems.

Participation in a one-day oceanographic cruise is required.

Note: Credit will be granted for only one of 311, BIOL 311, BIOL 311B.

Prerequisites: MATH 100 or 102, PHYS 102 or 112, and CHEM 101/102; BIOL 215 recommended.

EOS 312 Units: 1.5 Hours: 3-3

Introductory Chemical Oceanography

An introduction to the sources, distribution, and transformations of chemical constituents of the ocean, and their relation to biological, chemical, geological, and physical processes. Topics include: controls on average concentration of chemicals in the ocean; vertical and horizontal distributions of ocean constituents; air-sea interactions; production, export, and remineralization of organic matter; the ocean carbon cycle; human-induced changes; stable isotopes and trace elements.

Prerequisites: One of 110, 314, 350, 431; CHEM 101 or 150, and 102; MATH 100 or 102.

EOS 313 Units: 1.5 Hours: 3-3

Geological Oceanography

An introduction to the geography of Earth's geological processes that shape the ocean basins, oceanic plate creation and structure, hydrothermal circulation at mid-ocean ridges, bathymetry, ocean islands, different types of ocean margins, ocean sediments, the sedimentary record of past ocean circulation, coastal geology.

Prerequisites: 120; CHEM 101 or 150.

EOS 314 Units: 1.5 Hours: 3-3

Descriptive Physical Oceanography

An introduction to the geography of Earth's fluid ocean and the physics that govern it. Topics include fundamental physical variables and their distribution, air/sea interaction, water masses and their formation, large-scale ocean dynamics, equatorial and coastal physical oceanography, and interactions between physical, chemical, and biological processes in the ocean. Participation in a single-day oceanographic cruise is expected.

Prerequisites: Two of MATH 100, 101, 102, 151; one of PHYS 102, 112, 120.

EOS 315 Units: 1.5 Hours: 3-0

Acoustical Oceanography

An introduction to ocean science through the window of underwater sound, with applications to physical, biological and geological processes in the ocean. The main subjects treated are the effects of boundaries (sea surface and bottom) and the water-column sound speed profile, sound sources in the ocean, transducers and hydrophones, and basic sound propagation models (ray theory and the sonar equations). Applications include ocean acoustic tomography, fisheries science, marine mammal acoustics, sea floor mapping, and marine seismic exploration and surveying.

Prerequisites: 110, 120; two of MATH 100, 101, 102, 151; one of PHYS 102, 112, or 120.

EOS 316 Units: 1.5 Hours: 3-3

Formerly: part of 310 and 320

Igneous and Metamorphic Geology

The physical and chemical processes governing changes that rocks undergo as they equilibrate at different pressure and temperature conditions within the Earth. Melting, crystallization and sub-solidus recrystallization as a function of bulk composition. The role of different plate tectonic settings in controlling the pressure-temperature-composition conditions of formation of different igneous and metamorphic rocks.

Note: Credit will be granted for only one of 316, 310, 320.

Prerequisites: 205, 240.

EOS 330 Units: 1.5 Hours: 3-3

Paleobiology

Processes and patterns in the evolution of life through time: extinction, evolution and diversification as recognized from the fossil record. Major events in the history of life. The relationship of biotas to depositional systems: paleoecology, biostratigraphy and paleobiogeography. The major groups of microfossils and invertebrates will be studied with emphasis on their applications in Earth Sciences. Laboratories and field trips will provide illustrative fossil examples.

Note: Credit will be granted for only one of 330, 360.

Prerequisites: 201, and BIOL 12 or BIOL 150A, or permission of the department.

EOS 335 Units: 1.5 Hours: 3-3

Formerly: part of 430

Isotopes in Natural Sciences

Basic principles controlling isotope distribution, including natural abundances, radiogenic decay, equilibrium and kinetic isotope effects. Applications of the principles in the fields of: Earth history—global processes and chronology; mineralization—diagenesis, catagenesis; hydrogeology and characterization of water and air masses; and biogeochemistry and biological fractionation isotopes.

Note: Credit will be granted for only one of 335, 430.

Prerequisites: 240 or permission of the department.

EOS 340 Units: 1.5 Hours: 3-0-1

Atmospheric Sciences

Introduction to the fundamental processes and forces governing the Earth's weather and climate. Specific applications such as weather systems and global climate/change. Topics include clouds, precipitation, tornadoes, thunderstorms, cyclones, air-sea interaction, El Niño, Greenhouse Effect, ozone hole, and acid rain.

Prerequisites: PHYS 102, 112 or 120 or permission of the department.

Pre- or corequisites: 225 or two of MATH 200, 201, 205.

EOS 350 Units: 1.5 Hours: 3-0

Understanding the World's Oceans

Highlights the scientific basis of current topics and issues affecting the world's oceans. Focus may include: deep-sea exploration, mineral exploitation, El Niño, climate change, ocean circulation, waste disposal, food chains and/or over-fishing.

Notes: - Credit will be granted for only one of 350, 110, GEOG 110.

- May not be used as credit toward SEOS general, major, honours, or combined degree programs.

Prerequisites: Second-year standing.

EOS 365 Units: 1.5 Hours: 3-0

Climate and Society

A survey of the climate system and its interaction with past, present, and future societies. Topics include: climate change and the onset of agriculture/domestication, climate change and the rise and fall of early civilizations, the anthropocene and global warming. The interplay between science, media, public relations and public policy will also be addressed.

Prerequisites: Third-year standing.

EOS 400 Units: 1.5

Advanced Field School

An up to two-week field trip through the Southern Canadian Cordillera, examining the rock units and structures of the major tectonic elements in southern British Columbia and Alberta. Parallels, where possible, recent COCORP and LITHOPROBE seismic survey routes. Introduces the complex evolutionary states of the western margin of North America. Nor-

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mally held in late August - early September, prior to registration.

Prerequisites: 300; 316 or 310 and 320; or permission of the department; 330 strongly recommended.

EOS 403 Units: 1.5 Hours: 3-0 Global Biogeochemical Cycles

Organic matter is studied from its formation (primary production) through its transformation and destruction during transport, depositional, and diagenetic remaneralization processes. Global carbon, nitrogen, phosphorous, and sulphur cycles are discussed. Emphasis is placed on describing the fluxes of nutrients and other major compounds within and across the interface of soils, and the sedimentary and water columns.

Prerequisites: 240, 335 or 430; or permission of the department.

EOS 408 Units: 1.5 Hours: 3-0 Marine Geology

A combined lecture and seminar course covering modern marine geological processes in a wide range of oceanic environments: mid-ocean ridges, mid-plate volcanoes and hot spots, coastlines, continental margins and abyssal plains. Modern methods of data collection and analysis, including the Ocean Drilling Program.

Prerequisites: 201, 316 or 310; or permission of the department.

EOS 410 Units: 1.5 Hours: 3-0-1 Global Tectonics

A study of global tectonic systems including geological, geophysical, geochemical and geographical perspectives on major tectonic environments. A wide range of examples from different continents will be used. Vancouver Island will also be examined.

Prerequisites: 202 or permission of the department.

EOS 416 Units: 1.5 Hours: 3-3 Formerly: part of 310 and 320 High Temperature Petrology

The thermodynamic and kinetic principles controlling the origin and behaviour of rocks at high temperatures and pressures. Thermodynamic and kinetic relations in igneous and metamorphic systems applied to understanding the petrogenesis of magmatic and metamorphic rock suites. Applications to the geodynamic, hydrothermal and tectonic evolution of the Earth and terrestrial planets.

Prerequisites: 316 or 310 or 320; 335 or 430.

EOS 420 Units: 1.5 Hours: 3-3 Resource Geology

A geological study of the major types of economically important metallic and nonmetallic minerals and other earth resources, basic processes of ore formation, exploration and mining techniques. The impacts of these activities on the environment are also considered.

Note: Alternates with EOS 422.

Prerequisites: 201.

Pre- or corequisites: 316, or 310 and 320, or permission of the department.

EOS 422 Units: 1.5 Hours: 3-3 Formerly: part of 420 Energy Resources

Discusses the Earth's major economic natural energy resources. Focuses on conventional oil and gas, coal, CBM and tar sands, including modes of formation, accumulation and recovery, along with the mechanisms of migration and trapping. Canadian examples of petroleum systems and basin modelling augment the material. To a lesser degree, other energy sources are looked at, such as nuclear fuels, solar, hydrogen, geothermal, biogas, wind and tidal,

as well as related socio-economic-environmental issues.

Note: Credit will be granted for only one of 422, 420 (if taken prior to 2004W).

Prerequisites: 201, 202.

EOS 425 Units: 1.5 Hours: 3-3 Aqueous Chemistry in the Earth and Ocean

What controls the concentrations of aqueous species in the hydrosphere? Principles of chemical equilibrium and kinetics are applied to the major aspects of the global hydrochemical cycle. Investigates reactions and sources and sinks of elements in oxic and anoxic aquatic systems such as rainwater, rivers, lakes, groundwater, estuaries, and oceans; also the application of natural and anthropogenic tracers to geochemical problems within aquatic systems.

Prerequisites: 240 and 335 or 430; or third-year Chemistry; or permission of the department.

EOS 427 Units: 1.5 Hours: 3-0 Also: PHYS 427 Geophysics

Principles of seismology, gravity, geomagnetism, heat flow, and how they contribute to our understanding of whole Earth structure and plate tectonics.

Note: Credit will be granted for only one of 427, PHYS 427. Normally offered in alternate years. Students are advised to consult with the department to determine when this course is offered.

Prerequisites: PHYS 220 or 321A; 326.

Pre- or corequisites: One of MATH 301, 330B, 438; MATH 326 or 346.

EOS 431 Units: 1.5 Hours: 3-0 Physical Oceanography

Observations and theories explaining the wind- and buoyancy-driven circulations of the ocean. Topics include wind-forced currents; ocean-scale gyres; coastal circulation; conservation of dynamical tracers; mixing, potential energy and the resulting basin-scale overturning circulations; waves.

Prerequisites: 225 or two of MATH 200, 201, 205; PHYS 112 or 120; or permission of the department.

EOS 433 Units: 1.5 Hours: 3-0 The Climate System

Studies of the Earth's climate require an understanding of the intimate links between the hydrosphere, atmosphere, cryosphere and biosphere. Basic theories of the dynamics of ocean and atmosphere. The physics and biogeochemistry of coupled models are examined with emphasis on simple intuition-building mathematical models as well as discussion of large computer models.

Pre- or corequisites: 340, 431; MATH 301 or 330B; MATH 326 or 346; PHYS 317, 321A, 325, 426; or permission of the department.

EOS 435 Units: 1.5 Hours: 3-0 Waves in the Ocean

The mathematical theories and physics of surface gravity waves, internal waves, Rossby waves and other wave motions in the ocean are introduced, with an emphasis on general results that describe the effects on the waves of variable properties of the medium, and the back effects of the waves on the mean flow.

Pre- or corequisites: 431; MATH 301 or 330B; MATH 326 or 346; PHYS 317, 321A, 325, 426; or permission of the department.

EOS 440 Units: 1.5 Hours: 3-3 Hydrogeology

Interdisciplinary and quantitative approaches to the nature and migration of fluids in the Earth's crust. Theory of groundwater flow in fractured and porous media. Surface-groundwater interactions and

changes in water quality; well flow; waste disposal; groundwater contamination.

Prerequisites: 240; 225 or two of MATH 200, 201, 205; or permission of the department.

EOS 450 Units: 1.5 Hours: 3-0-2 Quaternary Geology

The methods and theory of Quaternary research, stressing the processes of interaction between the geosphere and biosphere. Topics include dating methods, paleoenvironmental studies, glaciation and global change, geological hazards, interdisciplinary research and applied studies, particularly the influence for engineering design.

Prerequisites: 201, 240; or permission of the department.

EOS 460 Units: 1.5 Hours: 3-3 Earth System Science

An examination of the interrelationships between the complex systems operating in the solid Earth, hydrosphere, atmosphere and biosphere; methods of systems analysis for the planet; modelling of global processes.

Prerequisites: 260, 335 or 430, and completion of at least two other EOS courses numbered 300 or above (excluding 350, 360, 365, 370).

EOS 480 Units: 1.5 Hours: 3-3 Applied Geophysics

An introduction to geophysical methods used in resource exploration and in investigations of crustal structure. Topics include principles and applications of seismic, gravity, magnetic, electrical and electromagnetic methods. Emphasis will be placed on interpretation of geophysical data for Earth structure.

Prerequisites: Fourth-year standing in SEOS or PHYS; or permission of the department.

EOS 490 Units: 1.5 or 3.0 Directed Studies in Earth and Ocean Sciences

With the consent of the School and the faculty member concerned, a student may be permitted to pursue a course of directed studies.

Note: Students may not take more than 3 units of 490 studies.

EOS 499A Units: 1.5 Formerly: part of 499 Honours Thesis I

The first stage of a research project conducted under the direction of a faculty member. Open to Honours students only.

Notes: - Credit will be granted for only one of 499A and 499B, 499.

- 499A and 499B are "tied" courses and must be taken in consecutive terms except with permission of the department.

- Credit for 499A will be assigned only upon successful completion of 499B.

Prerequisites: Permission of the department.

Grading: INP, letter grade (assigned upon completion of 499B; if 499B is not completed, a grade of N will be assigned to 499A).

EOS 499B Units: 1.5 Formerly: part of 499 Honours Thesis II

Continuation of a research project conducted under the direction of a faculty member. Open to Honours students only.

Notes: - Credit will be granted for only one of 499A and 499B, 499.

- 499A and 499B are "tied" courses and must be taken in consecutive terms except with permission of the department.



- Credit for 499A will be assigned only upon successful completion of both courses.

Prerequisites: 499A.

EPHE

Exercise Science, Physical and Health Education School of Exercise Science, Physical and Health Education Faculty of Education

Courses offered by the the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, EPHE, IA, IET, ME.

* The following courses, EPHE 104-136, are intended for students pursuing degrees in Exercise Science, Physical and Health Education (BEd, BA and BSc). They are designed to develop each participant's level of performance, ability to analyze skills, and understanding of strategies or concepts within the particular activity. Maximum credit for EPHE 104-136 courses in degree programs offered by the Faculty of Education is specified in section 7.4. Students in Exercise Science, Physical and Health Education programs are expected to complete most of the required EPHE 104-136 courses in the first two years.

EPHE 104* Units: 0.5 Hours: 2-0
Formerly: **PE 104**
Special Activity
Note: With special permission, may be taken more than once for credit in a degree program.

EPHE 105* Units: 0.5 Hours: 2-0
Formerly: **PE 105**
Swimming
Note: Credit will be granted for only one of 105, PE 105.

EPHE 106* Units: 0.5 Hours: 2-0
Formerly: **PE 106**
Track and Field
Note: Credit will be granted for only one of 106, PE 106.

EPHE 107* Units: 0.5 Hours: 2-0
Formerly: **PE 107**
Gymnastics I
Note: Credit will be granted for only one of 107, PE 107.

EPHE 109* Units: 0.5 Hours: 2-0
Formerly: **PE 109**
Recreational Dance
Note: Credit will be granted for only one of 109, PE 109.

EPHE 113* Units: 0.5 Hours: 2-0
Formerly: **PE 113**
Golf
Note: Credit will be granted for only one of 113, PE 113.

EPHE 114* Units: 0.5 Hours: 2-0
Formerly: **PE 114**
Creative Dance
Note: Credit will be granted for only one of 114, PE 114. Not offered every year.

EPHE 116* Units: 0.5 Hours: 2-0
Formerly: **PE 116**
Badminton
Note: Credit will be granted for only one of 116, PE 116.

EPHE 117* Units: 0.5 Hours: 2-0
Formerly: **PE 117**
Tennis
Note: Credit will be granted for only one of 117, PE 117.

EPHE 119* Units: 0.5 Hours: 2-0
Formerly: **PE 119**
Contemporary Dance
Note: Credit will be granted for only one of 119, PE 119. Not offered every year.

EPHE 120* Units: 0.5 Hours: 2-0
Formerly: **PE 120**
Basketball
Note: Credit will be granted for only one of 120, PE 120.

EPHE 121* Units: 0.5 Hours: 2-0
Formerly: **PE 121**
Soccer
Note: Credit will be granted for only one of 121, PE 121.

EPHE 122* Units: 0.5 Hours: 2-0
Formerly: **PE 122**
Volleyball
Note: Credit will be granted for only one of 122, PE 122.

EPHE 123* Units: 0.5 Hours: 2-0
Formerly: **PE 123**
Rugby
Note: Credit will be granted for only one of 123, PE 123. Offered in alternate years.

EPHE 124* Units: 0.5 Hours: 2-0
Formerly: **PE 124**
Field Hockey
Note: Credit will be granted for only one of 124, PE 124. Offered in alternate years.

EPHE 125* Units: 0.5 Hours: 2-0
Formerly: **PE 125**
Softball
Note: Credit will be granted for only one of 125, PE 125. Offered in alternate years.

EPHE 126* Units: 0.5 Hours: 2-0
Formerly: **PE 126**
Orienteering
Note: Credit will be granted for only one of 126, PE 126.

EPHE 133* Units: 0.5 Hours: 2-0
Formerly: **PE 133**
Strength Training
Note: Credit will be granted for only one of 133, PE 133.

EPHE 134* Units: 0.5 Hours: 2-0
Formerly: **PE 134**
Yoga
Note: Credit will be granted for only one of 134, PE 134.

EPHE 135* Units: 0.5 Hours: 2-0
Formerly: **PE 135**
Martial Arts
Note: Credit will be granted for only one of 135, PE 135. Offered in alternate years.

EPHE 136* Units: 0.5 Hours: 2-0
Lacrosse
Note: Credit will be granted for only one of 136, PE 104 Special Activity: Lacrosse.

EPHE 141 Units: 1.5 Hours: 3-2
Formerly: **PE 141**
Introductory Human Anatomy
A lecture and laboratory format is used to introduce the study of human structure. Includes an examination of cells, tissues, organs, systems and their inter-relationships. Structural components of all physiological systems including cardiorespiratory, digestive, excretory, reproductive systems and those involved in human movement will be studied. Labs include the use of human skeletons, anatomical charts, models and full-colour digital images.
Note: Credit will be granted for only one of 141, PE 141.

EPHE 142 Units: 1.5 Hours: 3-0
Formerly: **PE 142**
Personal Health, Wellness and Potential
An examination of lifestyle behaviours, which have the power to enhance or diminish personal potential. Current wellness models and motivational theories will be reviewed and applied to wellness planning as related to personal and professional performance. Topics will include physical activity and health; nutrition; stress management; substance use/abuse; environmental awareness; goal setting; and the process of decision-making.
Note: Credit will be granted for only one of 142, PE 142.

EPHE 143 Units: 1.5 Hours: 3-0
Formerly: **PE 143**
Multidisciplinary Foundations of Physical Activity
The relationship of physical activity to education, kinesiology, athletics, health, recreation, and leisure. The contributions made by the sciences of physiology, motor learning and biomechanics are discussed. Students gain an understanding of the historical, philosophical and psycho-sociological foundations of physical education and discuss a wide range of contemporary issues as they affect physical activity and active living.
Note: Credit will be granted for only one of 143, PE 143.

EPHE 155 Units: 1.5 Hours: 3-0
Formerly: **PE 155**
Introduction to Nutrition: Concepts and Controversies
The basics of diet planning, dietary guidelines and weight management will be covered through the application and demonstration of nutritional principles and their relationship to physical activity and health. Controversial topics such as ergogenic aids, vitamin and mineral supplementation, alcohol, diets and organic foods will be discussed using a balanced view of scientific evidence.
Note: Credit will be granted for only one of 155, PE 155.

EPHE 200 Units: 0 Hours: 1.5-0
Co-op Seminar: Introduction to Professional Practice
Discusses the nature of co-operative education experiential education expectations, how to bring learning into the co-op experience, and the services provided by the EPHE Co-op Office. Advice on how to apply for and succeed in co-op placements, write about the experience and assist in job development.
Note: Offered in the September to December academic term.
Grading: COM, N, F.

EPHE 201 Units: 1.5 Hours: 3-2
Qualitative Analysis of Human Movement
Current theories, principles and practice related to the qualitative analysis of motor skills including basic

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mechanical principles (stability, force, leverage, and linear and rotary motion).

EPHE 241A Units: 1.5 Hours: 3-2
Formerly: PE 241A

Introduction to Human Cellular Physiology

The study of the molecular and cellular functions in humans with emphasis on homeostasis, cellular transport, protein synthesis, energy metabolism, cellular control, and blood as a tissue.

Note: Credit will be granted for only one of 241A, PE 241A.

EPHE 241B Units: 1.5 Hours: 3-2
Formerly: PE 241B

Introduction to Human Systemic Physiology

The study of the integrated functions of physiological systems with emphasis on the nervous, endocrine, muscular, cardiovascular and respiratory systems.

Note: Credit will be granted for only one of 241B, PE 241B.

Prerequisites: 141 or PE 141.

EPHE 243 Units: 1.5 Hours: 3-0
Formerly: PE 243

Foundations of Recreation and Leisure

An introduction to the nature and scope of recreation; a consideration of past influences and future trends; the role of the recreational professional.

Note: Credit will be granted for only one of 243, PE 243.

EPHE 244 Units: 1.5 Hours: 3-0
Formerly: PE 244

Canadian Recreation Delivery Systems

An overview of the development and delivery of recreational programs in Canada. Canadian federal, provincial, municipal, private and volunteer agencies are described and analyzed.

Note: Credit will be granted for only one of 244, PE 244.

EPHE 245 Units: 1.5 Hours: 3-2
Formerly: PE 245

Motor Learning

Neural and cognitive processes underlying human skilled action and the factors that influence learning and control of these actions. Ways in which the human motor system enables the acquisition and retention of complex movement skills and implications for the design of instructional situations to support retention and optimal performance of skilled actions.

Note: Credit will be granted for only one of 245, PE 245.

EPHE 246 Units: 1.5 Hours: 3-0
Formerly: PE 144, PE 246

Active Health

Reviews health topics outlined in the BC Ministry of Education's IRPs for Physical Education and Career and Health and Career Education. Focuses on how physical education teachers can use student-centred learning approaches to encourage students to become active advocates for their own health. Topics include Quality Daily Physical Education, Active Living, eating disorders, stress management, nutrition, and personal and school health planning.

Note: Credit will be granted for only one of 246, PE 246, PE 144.

EPHE 252 Units: 1.5 Hours: 3-0
Formerly: PE 252

Leadership Methods for Recreation and Health Education

Theoretical and practical introduction to leadership, teaching, communication, and decision making skills in recreation/leisure services, sport, and fitness. Field experience is required as part of this course.

Note: Credit will be granted for only one of 252, PE 252.

EPHE 253 Units: 1.5 Hours: 3-0
Formerly: PE 253

Program Planning

An analysis and application of theoretical and practical approaches for developing effective recreation/leisure services, sport, fitness, wellness, and health promotion programs.

Note: Credit will be granted for only one of 253, PE 253.

EPHE 270 Units: 1.5 Hours: 3-0
Formerly: PE 270

Foundations of Outdoor Recreation

Exploration of the outdoor environment as a venue for leisure and educational experiences. Leadership roles in environmental protection, influence on participant behaviour and quality of experience are examined. Other topics include survey and investigation of theoretical and common definitions of outdoor recreation, outdoor education and interpretation; delivery systems, populations and special interest groups; planning; environmental ethics, safety, and health; ecotourism.

Note: This course does NOT include an experiential component. Credit will be granted for only one of 270, PE 270.

EPHE 310 Units: 1.5 Hours: 3-0
Formerly: PE 310, part of PE 304

Physical Education for General Classroom Teachers: A

Assists generalist teachers in planning and implementing physical education programs for the elementary grades. Students will develop the knowledge and pedagogical skills necessary to help children incorporate physical activity as part of a healthy lifestyle. Overall focus is on the learning of movement skills and on the developing child as a learner. Includes a variety of teaching experiences with elementary school-age children.

Note: Credit will be granted for only one of 310, PE 247, 304, 310, EDUC 304. Students with credit for 310 and/or 311 may not receive credit for 312.

Prerequisites: Acceptance in the Bachelor of Education Elementary Education program.

EPHE 311 Units: 1.5 Hours: 3-0
Formerly: PE 311, part of PE 304

Physical Education for General Classroom Teachers: B

Extends and refines the knowledge and pedagogical skills included in EPHE 310. Overall focus is on broadening their application to a variety of different movement categories in the elementary physical education curriculum. Students learn to create inclusive unit and yearly plans that encourage children to incorporate physical activity as part of a healthy lifestyle. Includes a variety of teaching experiences with elementary school-age children.

Note: Credit will be granted for only one of 311, PE 247, 304, 311, EDUC 304. Students with credit for 310 and/or 311 may not receive credit for 312.

Prerequisites: 310 or PE 310 and acceptance in the Bachelor of Education Elementary Education program.

EPHE 312 Units: 1.5 Hours: 3-0
Formerly: PE 312, part of PE 304

Overview of Elementary School Physical Education

Overview of the content and structure of the BC elementary physical education curriculum. Introduces basic pedagogical skills necessary to implement a quality physical education program. Focus is on the learning of movement skills and on the developing child as a learner. Includes a variety of teaching ex-

periences with peers and elementary school-age children.

Note: Credit will be granted for only one of 312, PE 312, 247, 304, or EDUC 304. Students with credit in 312 may not receive credit for 310 and/or 311.

Prerequisites: Acceptance in the Post-Degree Elementary Education program.

EPHE 341 Units: 1.5 Hours: 3-2
Formerly: PE 141

Biomechanics

Focuses on the fundamental physical and mechanical laws that control human movement and relates these laws to the techniques used in a variety of motor skills. Teaches how optimal performances in motor skills are based on the best use of these laws.

Note: Credit will be granted for only one of 341, PE 341.

Prerequisites: 201.

EPHE 342 Units: 1.5 Hours: 3-0
Formerly: PE 342

History of Physical Education

Interpretative study and analysis of physical education and sport through their historical development; current trends, social and cultural implications; relationship to education.

Note: Credit will be granted for only one of 342, PE 342. Offered in alternate years.

EPHE 344 Units: 1.5 Hours: 2-1
Formerly: PE 344

Care and Prevention of Athletic Injuries

An introduction to general athletic training practices. Topics to be covered include safe environments, identifying risk factors associated with specific sports, legal responsibilities and documentation, developing and implementing emergency protocols for crisis procedures, and basic taping and strapping techniques. Also includes a 40-hour practical experience with a local sport team.

Note: Credit will be granted for only one of 344, PE 344.

Prerequisites: 141 or PE 141 and 241B or PE 241B or equivalent.

EPHE 346 Units: 1.5 Hours: 3-0
Formerly: PE 346

Motor Development and Physical Maturation

An overview of motor development and maturation from the neonate to adulthood and old age. Special attention will be given to the growth and motor development characteristics of children and adolescents.

Note: No prerequisite required but a background in anatomy is recommended. Credit will be granted for only one of 346, PE 346.

EPHE 347 Units: 1.5 Hours: 3-0
Formerly: PE 347

Sport in Society

Exploration of the historical use of sport as an expression of culture, ideology, and political philosophy. Comparison of the way in which sport is used as a means of developing national pride and international prestige. Considers how the commercialization of sport has made it a money-making vehicle for countries, cities, multi-national corporations, and television networks.

Note: Credit will be granted for only one of 347, PE 347. Offered in alternate years.

EPHE 348 Units: 1.5 Hours: 3-0
Formerly: PE 348

Psychology of Physical Activity

An examination of the psychological concepts related to human physical activity behaviour, which includes engagement in exercise and sport.

Note: Credit will be granted for only one of 348, PE 348.

Prerequisites: PSYC 100A/B.

EPHE 351 Units: 1.5 Hours: 3-0
Formerly: PE 351

Community and Population Health

Builds on students' knowledge of individual wellness and lifestyle behaviours by exploring the concepts of community and population health. Topics will include: the evolution of health promotion and population health; the determinants of health; epidemiology of health behaviours; understanding and enhancing the health of children, youth, adults, seniors; principles of ecology and environmental health.

Note: Credit will be granted for only one of 351, PE 351.

EPHE 352 Units: 1.5 Hours: 3-0
Formerly: PE 352

Instructional Techniques in Individual Activities Secondary

Methods of teaching individual activities to secondary school and related groups. Field experience may be required as part of this course.

Note: Reserved for BEd secondary students in the physical education teaching area. Credit will be granted for only one of 352, PE 352.

EPHE 354A Units: 1.5 Hours: 3-0
Formerly: PE 354A

Administration in Leisure and Health Related Services I

A review of general administrative and organizational theories with particular reference to their application in leisure and health related service agencies. Topics include the nature of administration, structure of organizations, policy making, human resource development, change management, meetings, strategic planning and the advancement of partnerships.

Note: Credit will be granted for only one of 354A, PE 354A.

Prerequisites: COOP 001 or RHED 001 or KINE 001 completed or in progress.

EPHE 354B Units: 1.5 Hours: 3-0
Formerly: PE 354B

Administration in Leisure and Health Related Services II

A detailed look at the budgeting process, financial control, goal setting, risk management and legal liability in leisure and health related service agencies. Although 354A is not a prerequisite, 354B is best taken in conjunction with 354A.

Note: Credit will be granted for only one of 354B, PE 354B.

Prerequisites: Completion of COOP 001 or RHED 001 or KINE 001.

EPHE 355 Units: 1.5 Hours: 3-0
Formerly: PE 355
Functional Anatomy

The study of neural and musculoskeletal structures with focus on functional applications. Emphasis is placed on the relationship between human movement, and the anatomical organization and stability of the extremities and trunk. Some application to causes and prevention of activity-related musculoskeletal disorders (injury and/or disease related), and exercise prescription for rehabilitation is also included.

Note: Credit will be granted for only one of 355, PE 355.

Prerequisites: 241B, PE 241B.

EPHE 356 Units: 1.5 Hours: 3-0

Formerly: PE 356

Principles of Facility Administration

Study of the concepts and processes of management as they apply to leisure service, recreation, fitness and health facilities. Emphasis on problem-solving techniques used by administrators and managers in the planning, designing, controlling, financing, renovating and maintaining of such facilities.

Note: Credit will be granted for only one of 356, PE 356.

EPHE 357 Units: 1.5 Hours: 3-0
Formerly: PE 357

Introduction to Research

An introduction of quantitative and qualitative research approaches to disciplinary areas in the School of Exercise Science, Physical and Health Education. Topics include methods and design, measurement issues, analysis and interpretation of literature and analytical procedures used in research.

Note: Credit will be granted for only one of 357, PE 357. Offered in alternate years.

EPHE 360 Units: 1.5 Hours: 3-2
Exercise Prescription

Principles of fitness and the development of exercise programs to enhance health and/or performance of children, adults and special populations including athletes, the elderly and disabled; application of programs in a variety of settings; methods of evaluating physiological adaptation to exercise using laboratory and field experiences.

Note: Credit will be granted for only one of 360, PE 360.

Prerequisites: 141 or PE 141 and 241B or PE 241B or equivalents.

EPHE 361 Units: 1.5 Hours: 3-3
Formerly: PE 361

Coaching Studies

An in-depth study of coaching theory. Students who successfully complete the course will receive the Coaching Association of Canada's Level 1 and 2 theory certification. Requires a practical coaching experience in a sport of the student's choice.

Note: Credit will be granted for only one of 361, PE 361, PE 463.

Grading: INP; letter grade.

EPHE 380 Units: 1.5 Hours: 3-2
Formerly: PE 380

Motor Control

An examination of the neural processes involved in the maintenance of posture, the control of movement, and issues related to understanding the cerebral organization of goal-directed movement. Includes discussion of certain movement disorders and the relationship of the disturbances to stages in the sequence of information processing.

Note: Credit will be granted for only one of 380, PE 380, 442.

Prerequisites: 241B and 245 or PE 241B and PE 245.

EPHE 435 Units: 1.5 Hours: 3-0
Formerly: PE 435, EDUC 435

Cultural and Outdoor Physical Activity

Provides the opportunity for students to develop an understanding and appreciation of a variety of outdoor physical activities and cultural movement forms suitable for elementary school children. Movement forms are drawn primarily from the alternative-environment, dance, and games movement categories in the Physical Education K-7 Integrated Resource Package. A school-based experience may be included.

Note: Credit will be granted for only one of 435, PE 435, EDUC 435.

EPHE 439 Units: 1.5 Hours: 3-0
Formerly: PE 439, EDUC 445

Creative Movement

Laban's four elements of movement (space awareness, body awareness, qualities and relationships) for analyzing and teaching creative movement activities. Instructional strategies will stress exploratory methods and techniques. Practical applications to dance, gymnastics and games.

Note: Credit will be granted for only one of 439, PE 439, EDUC 445.

EPHE 441 Units: 1.5 Hours: 3-2
Formerly: PE 441

Exercise Physiology

The physiological adaptation of the human body to acute and chronic exercise; nutrition for exercise and recovery.

Note: Credit will be granted for only one of 441, PE 441.

Prerequisites: 241A or PE 241A and 241B or PE 241B.

EPHE 443 Units: 1.5 Hours: 3-0
Formerly: PE 443

Organization and Administration of Physical Education

Nature and function of administration; management of equipment and facilities; organization and management of programs of physical education and athletics; survey of the organization in Canadian schools.

Note: Credit will be granted for only one of 443, PE 443.

EPHE 444 Units: 1.5 Hours: 3-2
Measurement and Evaluation in Physical Education

Use of laboratory and field tests in the assessment of physical performance and physique. Test administration and interpretation of results.

Note: A background in physiology recommended. Credit will be granted for only one of 444, PE 444.

EPHE 445 Units: 1.5 Hours: 3-0
Formerly: PE 445

Developmental and Adaptive Physical Activity

Examination of physical education and recreation activities for atypical individuals. Methods of assessing physical performance, adapting equipment and facilities and applying programming techniques are explored. Field experience is required as part of this course.

Note: Credit will be granted for only one of 445, PE 445.

EPHE 447 Units: 1.5 Hours: 2-0-2
Formerly: PE 447

Kinesiology Seminar and Practicum

Addresses topics pertinent to the Kinesiology field. The practicum involves aspects of program planning and, where possible, direct leadership responsibilities.

Note: Credit will be granted for only one of 447, PE 447.

Prerequisites: 253 or PE 253.

EPHE 449 Units: 1.5 Hours: 3-0
Formerly: PE 449

Physical Parameters of Aging

The anatomical and physiological changes associated with human aging and the relationships between hypokinetic (inactivity induced) disease, stress, and nutritional habits to aging and the merits of various intervention strategies.

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Note: Credit will be granted for only one of 449, PE 449. Offered in alternate years.

Prerequisites: 155 or PE 155, 241B or PE 241B.

EPHE 451 Units: 1.5 Hours: 3-0
Formerly: **PE 451**
Leadership Issues in Fitness, Health and Wellness

This inquiry-based learning course examines current and emergent leadership issues in the fitness, health and wellness fields. Topics include national fitness leadership certification and registration programs in Canada and the United States, trends in fitness and lifestyle programming, alternative health and wellness programs and services and leadership and management models in the not-for-profit, public and private enterprise systems.

Note: Credit will be granted for only one of 451, PE 451. Offered in alternate years.

EPHE 452 Units: 1.5 Hours: 3-0
Formerly: **PE 452**
Teaching Strategies for Games in Physical Education

Methods of teaching game activities to students in secondary schools and related groups. Field experience is required as part of this course.

Note: Reserved for BEd Secondary students in the Physical Education teaching area. Credit will be granted for only one of 452, PE 452.

EPHE 454 Units: 1.5 Hours: 2-0
Formerly: **PE 454**
Marketing for Social Change

The study and application of social marketing concepts and strategies to address the problems and challenges facing the recreation profession and provide a synthesis for the graduating student.

Note: Credit will be granted for only one of 454, PE 454.

Prerequisites: Completion of at least 2 co-operative work terms: COOP 001 and RHED 001 or RHED 001 and RHED 002 or RHED 001 and RHED 002 in progress.

EPHE 455 Units: 1.5 Hours: 3-0
Formerly: **PE 455**
Nutrition for Exercise and Health

The study of nutrition in the applied context of physical activity, exercise and sport performance. The role of macro- and micro-nutrient consumption, the effects of nutritional supplements and hydration strategies, and the use of specialized diets for performance enhancement will be examined.

Note: Credit will be granted for only one of 455, PE 455.

Prerequisites: 155 or PE 155 and 241B or PE 241B.

EPHE 456 Units: 1.5 Hours: 3-0
Formerly: **PE 456**
Occupational Ergonomics

The application of ergonomic principles to industrial settings, work site job analysis, assessing biomechanical risk factors and the development of risk-prevention programs. Specific emphasis will be placed on understanding the relevant Canadian occupational health and safety legislation and ergonomic standards.

Note: Credit will be granted for only one of 456, PE 456. Offered alternate years.

Prerequisites: (241B or PE 241B) and (341 or PE 341).

EPHE 461 Units: 0.5 Hours: 2-0
Formerly: **PE 461**
Advanced Skills and Officiating

In-depth study of skill areas selected by the student, including advanced skill performance and officiating

to an approved level. Students in the BEd (Secondary Curriculum) program with Physical Education as a teaching area must register in one of the areas listed below at 0.5 units each.

461A - Badminton

461B - Basketball

461C - Dance

461D - Field Hockey

461E - Gymnastics

461F - Rugby

461G - Soccer

461J - Swimming

461K - Tennis

461L - Track and Field

461M - Volleyball

Note: Not every area will be offered each year. Credit will be granted for only one of 461A-M, PE 461A-M.

Prerequisites: Credit in the related 100-level course.

EPHE 470 Units: 1.5 Hours: 2-2
Formerly: **PE 470**

Outdoor Recreation Advanced

Examination of outdoor recreation skills as a teaching medium; focus on professional outdoor recreation leadership skills, knowledge and techniques.

Note: Credit will be granted for only one of 470, PE 470.

Prerequisites: 270 or PE 270.

EPHE 487 Units: 1.5 or 3.0 Hours: 3-0
Formerly: **PE 487**

Special Topics in Exercise Science, Physical and Health Education

Topics of current interest or concern to groups of students.

Note: May be taken more than once for credit in different topics. Pro Forma may be required for registration.

EPHE 494 Units: 1.5
Formerly: **PE 494**
Directed Studies in Exercise Science, Physical and Health Education

Research projects, directed reading, or additional course work in a specified area.

Note: May be taken more than once for credit in different topics. Permission will not normally be given for more than 3 units of directed studies. Pro Forma required for registration.

EPHE 499 Units: 3.0
Formerly: **PE 499**
Honours Thesis or Tutorial

Research under the direction of faculty for Honours students only.

Note: Credit will be granted for only one of 499, PE 499. Pro Forma required for registration.

Grading: INP, letter grade.

EPHE 764 Units: 1.5 Hours: 3-0
Formerly: **PE 764**
Curriculum and Instruction in Secondary Physical Education

Note: Credit will be granted for only one of 764, PE 764, ED-C 764. Open to students who have completed the prescribed teaching area or who are admitted to the professional year or Post Degree Professional Program, or who have special permission of the Director, Secondary Teacher Education.

ER

Environmental Restoration School of Environmental Studies Faculty of Social Sciences

ER 200 Units: 0.5 per module
Scientific Principles and Concepts for Environmental Restoration

An opportunity to gain background knowledge in selected scientific disciplines relevant to environmental restoration. Possible topics may include ground water, quantitative ecology, statistics, marine biology, and others. Students take modules of existing courses at the University of Victoria.

Notes: - A module consists of the first third of a scheduled course.

- Registration is limited and open only to Diploma students registered in the RNS program. Please contact the program coordinator in the Division of Continuing Studies for information about course availability and registration procedures.

ER 311 Units: 1.5
Also: **ES 341**
Principles and Concepts of Ecological Restoration

Discussion of physical and biological characteristics of ecosystems and processes with emphasis on British Columbia. Examines natural and human-caused changes at ecosystem to species level; discussion of ecosystems and biodiversity; consideration of philosophy and ethics of restoration and an introduction to legal and policy frameworks. Introduction to assessing the stated ecosystems and developing recommendations through field visits. Combines factual scientific analysis of ecosystems in the context of human values and needs.

Note: Credit will be granted for only one of 311, ES 352, ES 341, ES 400D (if taken in 1995-96).

Prerequisites: Acceptance into the Restoration of Natural Systems Program or permission of the School if taken as ES 341.

ER 312A Units: 1.5
Field Study in Ecological Restoration I

Introduces basic field methodologies for assessment and restoration of local sites; includes individual and group field research, and involves field surveys, observation and background study on specific ecosystem types.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 312B Units: 1.5
Field Study in Ecological Restoration II

An advanced field study course involving detailed site evaluation (prescription). May involve participation in a restoration project. With permission, the practicum can be undertaken at locations outside the province or internationally.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

Prerequisites: ER 312A.

ER 313 Units: 1.5
Also: **ES 348**

Biodiversity and Conservation Biology

Study of biological organisms and ecosystems with particular reference to mechanisms of change and human impacts on the environment. Focuses on: biodiversity (definition, assessment methods, loss, and evaluation); population biology (concepts and research methods); habitat loss; species extinction; exotic species and their impacts; and possibilities for human intervention in alleviating trends in species loss and ecosystem degradation.

Note: Credit will be granted for only one of 313, ES 318, ES 320, ES 348, BIOL 370.

Prerequisites: BIOL 150A and B or equivalent, or permission of the instructor. If taken as ES 348, ES 200 is a prerequisite.

ER 314 Units: 1.5 Ethical, Legal and Policy Aspects of Environmental Restoration

Addresses the relationship of environmental values to legislative and legal systems. Includes: ethical considerations in land management; future economic benefit and ecological cost; the land ethic; policy and legal considerations in restoration; and ecorestoration in research and natural resource management programs.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 325 Units: 1.5 Ecosystems of British Columbia, Canada and the World

A survey of the major ecozones of Canada and the world, their characteristics, and their current status. Classification systems in Canada and British Columbia. Major types of ecosystems, from marine and aquatic to forest, grassland, and desert systems will be discussed including the significant threats to each, and core causes of change. Consideration given to biodiversity; fragmentation; ecological resilience; succession.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 326 Units: 1.5 Also: ES 423 Traditional Systems of Land and Resource Management

The role of traditional ecological knowledge in the understanding and documentation of the biodiversity of natural systems and their restoration. Examination of how restoration strategies can benefit from the close relationship of Indigenous Peoples to their local environments, and from their knowledge of plants and animals, their habitats and ecological interrelationships, as well as from traditional land and resource management strategies.

Notes: - Credit will be granted for only one of 326, ES 353, ES 423.

- May be taken for credit by Diploma students as ER 326 without prerequisite credit.

Prerequisites: ES 200 or 300A or permission of the Director if taken as ES 423.

ER 327 Units: 1.5 Ecorestoration Strategies: Case Studies

Examination of specific sites illustrating restoration problems and solutions. Examples include mine reclamation projects, highway and rail right-of-way stabilization, urban ravine and stream rehabilitation.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 328 Units: 1.5 Forest Restoration and Sustainable Forestry

Basic concepts of forest ecology and succession following natural and human disturbance. "Old Growth": definition and characteristics. Forest practices from a restoration viewpoint: the ecoforestry model. Planning and restoration strategies for hydro-riparian zones. Analysis of silvicultural prescriptions and terrain issues (slope stability, road building) from an ecological perspective.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 329 Units: 1.5 Mining Restoration

Impact of mines and mining practices on natural systems and landscapes; physical and chemical characteristics of mine sites and debris; restoration vs. reclamation; pre- and post-disturbance restoration strategies; engineering issues; revegetation and remediation of soil at mine sites; long term problems such as slope stability and acid mine drainage; legislation, policies and regulations.

Note: Background in physical geography such as GEOG 213 or equivalent strongly recommended. Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 331 Units: 1.5 Urban Restoration and Sustainable Agricultural Systems

The role of restoration of natural systems in the populated landscape; structural characteristics of the landscape and its natural ecological potential; sustainable intensive human use. Planning and design, role of green space, natural corridors, recreation, soil and water conservation and restoration, ecological landscape architecture, integrated pest management, organic agriculture, urban agriculture, permaculture. British Columbia and world examples.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 332 Units: 1.5 Selection and Propagation of Native Plants for Ecological Restoration

An introduction to the principles of native plant selection and propagation to meet site-specific objectives for ecosystem restoration. Topics include native plant propagation techniques; the role of artificial propagation in ecosystem rehabilitation and restoration; criteria for species selection; scientific and ethical principles for the collection of propagation materials; site stabilization; site preparation; out-planting; and bio-engineering.

Notes: - Credit will be granted for only one of 332, 338 (if taken in the same topic).

- Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 334 Units: 1.5 Soil Conservation and Restoration

Physical, chemical and biological characteristics of soils and their relationship to restoration. Soil fertility; importance of soil flora and fauna, especially mycorrhizae. Comparison of characteristics of undisturbed soils. Types of soil disturbance in agriculture, forestry, mining and urban environments; soil restoration strategies; planning pre- and post-disturbance.

Note: Background in physical geography such as GEOG 213 or equivalent strongly recommended. Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 335A Units: 1.5 Restoration of Fresh Water Aquatic Systems

Theory and case studies of disturbances and restoration; character and processes of aquatic systems; types of natural aquatic systems; types of disturbance and their impact; restoration strategies for watersheds, riparian zones, streams, rivers, lakes, and wetlands.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 335B Units: 1.5 Restoration of Marine Aquatic Systems

Types, characteristics and processes of natural marine aquatic systems including physical and biotic factors; types of disturbance and their impacts; restoration strategies for different types of marine

aquatic ecosystems including estuaries, near shore and offshore systems; case studies of disturbances and restoration (e.g. coral reefs, benthic communities and sediments).

Note: Background in biology strongly recommended. Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 336 Units: 1.5 Education, Communication and Dispute Resolution in Restoration of Natural Systems

Role of communication and education in the restoration of natural systems, emphasizing the importance of clear communication: principles and techniques of effective communication, survey of communication and educational methods, social and cultural frameworks of the message defining issues, techniques of dialogue, recognizing and resolving conflict, organizing data and message. Emphasis on oral presentations.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 338A-D Units: 0.5 to 1.5 Special Topics in Environmental Restoration

Selected topics in environmental restoration that address particular issues, industrial sectors or biogeoclimatic variation.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee. May be taken more than once for credit in different topics.

ER 352 Units: 1.5 Non-Timber Forest Management and Sustainable Use in Major Forest Zones of BC

An introduction to biogeoclimatic zones and natural disturbance regimes in BC in relation to the occurrence of important NTFP species and the ecosystems that sustain them. Topics include the impacts of current land use and resource extraction on NTFP occurrence and productivity; and the influence of disturbance classes, biogeoclimatic zones, and current ecological condition on the selection of appropriate NTFP management practices.

Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 390 Units: 1.5 Environmental Restoration Project

In consultation with the Faculty Coordinator, students select a restoration project in an area of intended specialization. May involve a field research component. Final report required. Normally taken in the second or subsequent years of study.

Note: Open only to Diploma students.

Grading: INP; letter grade.

ER 400 Units: 0 Seminar in Environmental Restoration

Seminar presentation in the final year, normally in the field of intended specialization.

Grading: INC, COM.

ER 411 Units: 1.5 Also: ES 441 Advanced Principles and Concepts of Ecological Restoration

An advanced investigation into the meaning, limits, and significance of ecological restoration, including: how restoration is defined and why clear definitions are important; the role of historical knowledge in restoration; the changing character of restoration in a technological culture; ethical issues in restoration practice; participation and political process; cultural inclusion and the significance of restoration as a cultural mode; the international scope of restoration; and the paradox of design.

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Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee. Credit will be granted for only one of 411, ES 441, ES 482 (if taken in the same topic).

Prerequisites: 311, ES 341; or permission of School.

ES

Environmental Studies

School of Environmental Studies

Faculty of Social Sciences

ES 200 Units: 1.5 Hours: 3-1
Formerly: 300A

Introduction to Environmental Studies

Introduction to the symptoms and sources of environmental problems and approaches to resolving them. Students will apply their understanding through a distinctive interdisciplinary exploration of three main themes: ecological restoration (the process of assisting the recovery of an ecosystem that has been degraded, damaged or destroyed), political ecology (the theory and practice behind sustainability) and ethnoecology (the study of the relationship between people and their habitats).

Note: Credit will be granted for only one of 200, 300A.

ES 240 Units: 1.5 Hours: 3-0-3
Ecological Processes

An introduction to the discipline of ecology with a focus on understanding biotic processes as they relate to contemporary environmental challenges. Laboratories emphasize methodologies for the generation, analysis and application of data.

ES 270 Units: 1.5 Hours: 1-2
Introductory Field Study

A field-based introduction to environmental problems and solutions, such as assessing stream function and proposing enhancements to improve water quality and riparian areas. Typically offered in a compressed format. Additional fees may be necessary to support field expenses.

Pre- or corequisites: 200 or 300A.

ES 301 Units: 1.5 Hours: 3-1
Political Ecology

An introduction to the various socio-political and philosophical issues associated with the concept of a sustainable society. Emphasis is placed on the analysis of the complex relationships between social and biophysical systems. Examines how communities and environments are being impacted by the globalization of economies and cultures, technologies and ideologies, as well as responses from a variety of local, non-governmental and international agencies.

Prerequisites: 200 or 300A, and second-year standing.

ES 312 Units: 1.5 Hours: 3-0
Also: ECON 381
Formerly: ECON 330

Environmental Economics

An introduction to the economic analysis of environmental problems. In particular, an examination of policy interventions in cases where market activities result in socially undesirable impacts on the environment. Topics typically include: externalities; pollution control policy; climate change; public goods; time, uncertainty and the environment; and trade and the environment.

Note: Credit will be granted for only one of 312, ECON 330, 381.

Prerequisites: ECON 103.

ES 314 Units: 1.5 Hours: 3-0

Also: PHIL 333

Philosophy and the Environment

A philosophical investigation of the moral and conceptual dimensions of environmental problems. Different philosophies of the relation between humans and nature will be compared. Some of the topics to be examined are: human wants and human satisfactions; nature and spiritual values; community; human obligations to other animals; defining quality of life.

Note: Credit will be granted for only one of 314, PHIL 333.

Prerequisites: Third- or fourth-year standing, or permission of the instructor.

ES 320 Units: 1.5 Hours: 3-0

Also: BIOL 370

Conservation Biology

Diversity of organisms, functioning of ecosystems, and the consequential impact of human activities. Topics include the nature of biological diversity; extinction and its causes; habitat alteration and fragmentation; effects of exotic species; economic and ethical considerations; practical applications and analytical tools; and legal frameworks for conserving species and habitats.

Note: Credit will be granted for only one of 320, 318, 348, ER 313, BIOL 370.

Prerequisites: Completion of Biology core including STAT corequisites, or for students other than Biology majors BIOL 190A (or 210), 215, 230 and STAT 255 or 260.

ES 321 Units: 1.5 Hours: 3-0
Ethnoecology

Environmental knowledge systems of indigenous and other local peoples are increasingly recognized as having relevance in understanding and documenting biological diversity and conservation and in undertaking ecological restoration. The different aspects of local and traditional ecological knowledge and their relationships to western academic knowledge are reviewed and the issues and requirements for applying local knowledge in environmental sustainability are explored.

Prerequisites: 200 or 300A, and second-year standing.

ES 341 Units: 1.5 Hours: 3-1

Also: ER 311

Formerly: 352

Ecological Restoration

An examination of how effective restoration depends on both ecological and cultural awareness, including the physical, chemical and biological characteristics of ecosystems from local to global scales; the impacts of human-induced change; the philosophical and ethical context for good restoration; the need for and significance of community involvement; the legal and policy frameworks that direct and influence restoration activities; and the importance of understanding essential ecosystem characteristics in restoration.

Note: Credit will be granted for only one of 341, 352, ER 311, ES 400D (if taken in 1995-96).

Prerequisites: 200 or 300A, 240 or BIOL 215, and second-year standing.

ES 344 Units: 1.5 Hours: 3-3

Also: BIOL 330

Formerly: 310

Ecological Methods

An introduction to experimental and statistical ecology, including principles of experimental design and sampling methods and data analysis.

Note: Credit will be granted for only one of 344, 310, BIOL 330.

Prerequisites: STAT 255 or 260.

Pre- or corequisites: BIOL 215.

ES 348 Units: 1.5 Hours: 3-0

Also: ER 313

Formerly: 318

Biodiversity and Conservation Biology

Study of biological organisms and ecosystems with particular reference to mechanisms of change and human impacts on the environment. Focuses on: biodiversity (definition, assessment methods, loss, and evaluation); population biology (concepts and research methods); habitat loss; species extinction; exotic species and their impacts; and possibilities for human intervention in alleviating trends in species loss and ecosystem degradation.

Note: Credit will be granted for only one of 348, 318, 320, ER 313, BIOL 370.

Prerequisites: BIOL 190A and 190B or equivalent, ES 200 or 300A.

ES 370 Units: 1.5 Hours: 1-2
Intermediate Field Study

Further field-based study of environmental problems and solutions, such as integrating watershed scale analysis and enhancements. Typically offered in a compressed format. Additional fees may be necessary to support field expenses.

Pre- or corequisites: 200 or 300A, 270.

ES 380 Units: 1.5 Hours: 3-0

Formerly: 300B

Environmental Topics: Topics in Political Ecology

An in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; qualitative vs. quantitative research methods. This course will be conducted as a seminar and may include a field trip for which a fee will be charged.

Note: Credit will be granted for only one of 380, 300B unless approved by the Director. May be taken more than once for credit in different topics to a maximum of 3 units.

Prerequisites: 200 or 300A.

ES 381 Units: 1.5 Hours: 3-0

Formerly: 300B

Environmental Topics: Topics in Ethnoecology

An in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; qualitative vs. quantitative research methods. This course will be conducted as a seminar and may include a field trip for which a fee will be charged.

Note: Credit will be granted for only one of 381, 300B unless approved by the Director. May be taken more than once for credit in different topics to a maximum of 3 units.

Prerequisites: 200 or 300A.

ES 382 Units: 1.5 Hours: 3-0

Formerly: 300B

Environmental Topics: Topics in Ecological Restoration

An in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; qualitative vs. quantitative research methods. This course will be conducted as a seminar and may include a field trip for which a fee will be charged.

Note: Credit will be granted for only one of 382, 300B unless approved by the Director. May be taken more than once for credit in different topics to a maximum of 3 units.

Prerequisites: 200 or 300A.

ES 402 Units: 1.5 Hours: 3-0
Formerly: 420

Global Issues in Sustainability

Concepts of sustainability, development and security and their global dimensions; global environmental threats and their sociopolitical implications. Sustainability and development strategies in a north-south context; the role of international agencies in development; global issues of population, energy and resources; international regimes for environmental conservation; war and environment.

Note: Credit will be granted for only one of 402, 420, 400A (if taken in 1989-94).

Prerequisites: 200 or 300A, and 301.

ES 404 Units: 1.5 Hours: 3-0

Formerly: 424

Discourses of Environmentalism

A seminar examining classic works and persistent themes in North American environmental thought. A study of primary source material and texts by writers such as Thoreau, Austin, Muir, Pinchot, Leopold, Carson, Ellul, Schumacher, Berry, and Shiva.

Note: Credit will be granted for only one of 404, 424, 400D (if taken in 1993-95).

Prerequisites: 200 or 300A, and 301.

ES 414 Units: 1.5 Hours: 3-0
Systems Theory: An Introduction to Natural and Social Systems

Enables each participant to grasp the fundamental principles of systems theory, and provides a foundation for further exploration and application of systems concepts. Examines concepts such as cybernetics, holism, boundaries, negative and positive feedback, self-organization, and transformation. Students will learn to apply these principles to both natural and social systems. This course will be taught as a seminar.

Note: Credit will be granted for only one of 414, 400D (if taken prior to 1989-90).

Prerequisites: 200 or 300A, and one of 301, 321 or 341.

ES 417 Units: 1.5 Hours: 3-0

Formerly: ES 422

Women and Environments

An exploration of the developing interactions between feminism and environmentalism. Topics to be covered include the construction of relationships between women and nature, ecofeminism, women and sustainable development, and women's historical and contemporary environmental activism.

Note: Credit will be granted for only one of 417, 422, 400A (if taken in 1994-95).

Prerequisites: 200 or 300A, and 301.

ES 418 Units: 1.5 Hours: 3-0
Environmental Law: Policy and Legislation

Examination of legal procedures including traditional common law remedies and promising new legislative innovations, consideration of the expression of public values and environmental policies, and government decision making processes.

Note: Credit will be granted for only one of 418, 400D (if taken in 1990-92).

Prerequisites: 200 or 300A, and 301.

ES 419 Units: 1.5 Hours: 3-0

Also: LAW 328

Formerly: ES 450

Green Legal Theory

A seminar that addresses a theoretical basis for environmental law and policy; individual research, presentation and contribution to a collected work on the theme is required. Open to upper-year students in the Faculty of Law and students with at least fourth-year standing in the Environmental Studies Program.

Notes: - Credit will be granted for only one of 419, LAW 328, ES 450.

- Law students should consult with the instructor prior to enrolment. Environmental Studies students require the permission of the Director of Environmental Studies. Limited enrolment.

Prerequisites: For ES students: 200 or 300A, and 301.

ES 421 Units: 1.5 Hours: 3-0

Formerly: ES 416

Ethnobotany: Plants and Human Cultures

An introduction to the study of the relationship between plants and human cultures, with a focus on the indigenous peoples and environments of northwestern North America. Use of plants as foods, materials and medicines, plant nomenclature and folk classification, and the role of plants in religion and mythology are topics covered. There will be one or more field trips.

Note: Credit will be granted for only one of 421, 416.

Prerequisites: 300A or 200 and 321.

ES 423 Units: 1.5 Hours: 3-0

Also: ER 326

Formerly: ES 353

Traditional Systems of Land and Resource Management

The role of traditional ecological knowledge in the understanding and documentation of the biodiversity of natural systems and their restoration. Examination of how restoration strategies can benefit from the close relationship of Indigenous Peoples to their local environments, and from their knowledge of plants and animals, their habitats and ecological interrelationships, as well as from traditional land and resource management strategies.

Note: Credit will be granted for only one of 423, 353, ER 326.

Prerequisites: 200 or 300A, and 321.

ES 428 Units: 1.5 Hours: 3-0

Formerly: Also ANTH 428

Ethnographic Methods in Environmental Research

Methods of ethnography (research design, observation, interviewing, textual recording and data retrieval) designed to provide students from a range of disciplines with the skills necessary to study the layers of socially-held knowledge which infuse all fields of environmental endeavour. Ethnographic exercises in the community are a course requirement.

Note: Credit will be granted for only one of 428, ANTH 428. Not open to students with credit in 400A if taken in 1996-98.

Prerequisites: 200 or 300A, and one of 301 or 321.

ES 430 Units: 1.5 Hours: 3-0

Also: ANTH 401

Cultural Ecology

Theories concerning the relationship of human groups, culture and environment; cultural systems as the means by which human populations adapt to their environments.

Note: Credit will be granted for only one of 430, ANTH 401.

Prerequisites: For ES students: 200 or 300A, and one of 301 or 321. For ANTH students: a minimum grade of B- in ANTH 200.

ES 441 Units: 1.5 Hours: 3-0

Also: ER 411

Advanced Principles and Concepts in Ecological Restoration

An advanced investigation into the meaning, limits, and significance of ecological restoration, including: how restoration is defined and why clear definitions are important; the role of historical knowledge in restoration; the changing character of restoration in a technological culture; ethical issues in restoration practice; participation and political process; cultural inclusion and the significance of restoration as a cultural mode; the international scope of restoration; and the paradox of design.

Note: Credit will be granted for only one of 441, 482 (if taken in the same topic), ER 411.

Prerequisites: 341, ER 311; or permission of the School.

ES 446 Units: 1.5 Hours: 3-0

Formerly: ES 426

Sustainable Fisheries

A practical examination of sustainable fisheries from a variety of interdisciplinary perspectives. Examines sustainability issues for fisheries and aquaculture through an integrated study of fish biology/ecology, oceanography, hydrology, environmental impact assessment, natural resource management and environment and land use planning.

Note: Credit will be granted for only one of 446, 426, 400C (if taken in 1992-96).

Prerequisites: 200 or 300A, and one of 321 or 341.

ES 461 Units: 1.5 Hours: 3-0

Formerly: ES 410

Environmental Impact Assessment

An introduction to the objectives, philosophy, concepts, methods and social implications of environmental impact assessment (EIA). A critical examination of EIA as an analytical tool in the context of resource management and public policy is undertaken.

Note: Credit will be granted for only one of 461, 410, 400A (if taken prior to 1989-90).

Prerequisites: 200 or 300A, and one of 301, 321 or 341.

ES 462 Units: 1.5 Hours: 3-0

Formerly: ES 432

Environmental Protection

The theory and practice of minimizing human impacts on the environment from an ecosystem-based perspective. An introduction to environmental information systems, risk assessment and risk management. Responses by government and civil society. Application of the precautionary principle, voluntary Environmental Management Systems, pollution prevention and life cycle analysis.

Note: Credit will be granted for only one of 462, 432, 400B (if taken in 1993-98).

Prerequisites: 200 or 300A, and 341.

ES 470 Units: 1.5 Hours: 1-2

Formerly: ES 350

Advanced Field Study

Advanced field-based study of environmental problems and solutions. Intended to be a more self-directed course where the student identifies a problem and designs the process to implement solutions. Typically offered in a compressed format. Additional fees may be necessary to support field expenses.

Note: May be repeated once for credit.

Prerequisites: 200 or 300A, and one of 301, 321 or 341.

ES 480 Units: 1.5 Hours: 3-0
Formerly: 400A-D
Advanced Environmental Topics in Political Ecology
A focused, in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; and qualitative vs. quantitative research methods. These courses will be conducted as seminars and may include a field trip for which a fee will be charged.
Note: May be taken more than once for credit in different topics.
Prerequisites: 200 or 300A, and 301.

ES 481 Units: 1.5 Hours: 3-0
Formerly: 400A-D
Advanced Environmental Topics in Ethnoecology
A focused, in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; and qualitative vs. quantitative research methods. These courses will be conducted as seminars and may include a field trip for which a fee will be charged.
Note: May be taken more than once for credit in different topics.
Prerequisites: 200 or 300A, and 321.

ES 482 Units: 1.5 Hours: 3-0
Formerly: 400A-D
Advanced Environmental Topics in Ecological Restoration
A focused, in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; qualitative vs. quantitative research methods. These courses will be conducted as seminars and may include a field trip for which a fee will be charged.
Note: May be taken more than once for credit in different topics.
Prerequisites: 200 or 300A, and 341.

ES 490 Units: 1.5-3.0
Directed Studies
Individual studies on approved environmental topics undertaken by students in consultation with faculty members. Projects will be supervised by one or more faculty members designated by the Director.
Note: Restricted to students taking a major or minor in Environmental Studies. May be taken more than once for credit to a maximum of 3 credits.
Prerequisites: 200 or 300A, fourth-year standing with a sessional GPA of 6.5, and permission of the Director.

EUS

European Studies

Political Science

Interdisciplinary Programs

EUS 300 Units: 1.5 Hours: 3-0
European Integration: Socio-Economic and Political Developments
A historical background to and a contemporary account of modern European politics and society. The

approach is comparative, concentrating on similarities and differences between selected European countries. Crucial social cleavages, selected policy fields, traditions in political culture and institutional settings are studied from a comparative and genuinely European perspective.

Note: May be taken more than once for credit in different topics with permission of the Director of European Studies.

EUS 301 Units: 1.5 Hours: 3-0
Cultural and Intellectual Systems and Developments in Europe

Critical aspects of European intellectual and cultural traditions both in a historic and contemporary perspective. Covers a wide range of issues related to the rich European history of ideas and artistic production encompassing the fields of philosophy, literature and arts.

Note: May be taken more than once for credit in different topics with permission of the Director of European Studies.

FA

Fine Arts

Interdisciplinary Courses

Faculty of Fine Arts

Fine Arts Interdisciplinary courses focus on the study and creation of art and ideas that cross the traditional departmental areas within the Fine Arts. For information, contact the Associate Dean of Fine Arts.

FA 100 Units: 1.5 Hours: 2-1
Special Topics in Fine Arts

A multi-disciplinary investigation into the state of the arts. The specific focus may vary from year to year.

Note: A recommended course for all first-year Faculty of Fine Arts students. May be taken more than once for credit in different topics to a maximum of 6 units.

FA 101 Units: 1.5 Hours: 2-1
Creative Being

An exploration of the diversity within creative practice and theory that builds bridges across disciplines and challenges students' understanding of the creative process.

Note: A recommended course for all first-year Faculty of Fine Arts students. Credit will be granted for only one of 101, 100 (if taken in the same topic).

FA 225 Units: 3.0 Hours: 3-0
Also: ACAN 225

Introduction to the Arts of Canada

An interdisciplinary examination of Canada's cultural identity and of current issues facing the arts in both French- and English-speaking Canada. Topics to be considered include aboriginal arts, theatre, history in art, visual and literary arts, music, multiculturalism, broadcasting and cultural policies.

Note: Credit will be granted for only one of 225, ACAN 225.

FA 245 Units: 1.5 or 3.0 Hours: 3-0
The Arts and Technology I

An introductory course focusing on ideas central to the interrelationship between various arts and technologies.

Note: May be taken twice in different topics.

FA 300 Units: 1.5 or 3.0 Hours: 3-0
Interdisciplinary Studies

A course emphasizing an interdisciplinary approach to contemporary artistic concerns. In each year, course work will focus on a particular issue.

Note: May be taken twice in different topics.

Prerequisites: Second-year standing. Additional prerequisites may be required for some topics.

FA 305 Units: 1.5 or 3.0 Hours: 3-0
Theory and Practice of Film and Video Direction

Introduction to basic narrative patterns in film and video with an emphasis on image systems, plot and character, sound, and scene construction. Development and translation of a script into pictures using digital cameras and video editing software.

Prerequisites: Second-year standing in Fine Arts or permission of the department.

FA 315 Units: 1.5 or 3.0 Hours: 3-0
Introduction to Canadian Cultural Policy

An examination of Canadian cultural policy since the 1940s, in the context of international practice, with emphasis on its relationship to Canadian national identity. Topics to be considered will include the controversial role of governments in pursuit of cultural policies, the significance of Federal granting councils, the changing role of corporate patronage, and the economic impact of the arts.

FA 335 Units: 1.5 or 3.0 Hours: 3-0
Popular Culture

An interdisciplinary examination of the popular arts and their place in society. The topics for examination will vary in different years and sections.

Note: May be taken more than once for credit in different topics.

Prerequisites: Second-year standing.

FA 346 Units: 1.5 or 3.0 Hours: 3-0
The Arts and Technology II

A practice-oriented seminar, focusing on the use of computer technology in the arts. Areas for consideration may vary from year to year.

Note: May be taken more than once for credit in different topics.

Prerequisites: Second-year standing and one 100-level computer science course or permission of the department.

FA 350 Units: 1.5 Hours: 3-0
Introduction to Architecture, Theory and Practice

Architecture from an experiential perspective. Theory and some hands-on experience will supplement frequent field trips and occasional visits with practicing architects. Useful preparation for students considering application to architecture schools.

FA 356 Units: 1.5 or 3.0 Hours: 3-0
Management Skills for the Artist

This is a practical course designed to instruct students in fundamental management skills which will be of use for those anticipating careers as artists. Topics will include presentation techniques, fundraising methods, accounting procedures, grant applications, media relations and event planning.

Prerequisites: Second-year standing in Fine Arts.

FA 360 Units: 1.5 or 3.0 Hours: 3-0
Theoretical and Critical Issues in the Arts

A special topics course that examines critical and theoretical issues as they relate to the visual, literary and performing arts. Areas for consideration will vary from year to year.

Note: May be taken more than once for credit in different topics to a maximum of 3 units.

FA 365 Units: 1.5 or 3.0 Hours: 0-3
Dance Workshop I

This introduction to modern dance is a physically intensive class using components of modern dance, dance technique, improvisation and floor barre. Stu-

dents will learn dance combinations, terminology and choreography.

Note: May be taken more than once for credit to a maximum of 6 units.

Prerequisites: Dance experience or physical equivalent and audition (usually held first day of class).

FA 366 Units: 1.5 or 3.0 Hours: 0-3
Dance Workshop II

An advanced continuation of FA 365.

Note: May be taken more than once for credit to a maximum of 6 units.

Prerequisites: 365 and audition (usually held first day of class) or by permission and audition.

FA 370 Units: 1.5 or 3.0 Hours: 3-0
Sound in the Arts

A practice oriented seminar focusing on the study of sound as it pertains to the various arts; sound in performance art, video, theatre, film, visual arts, etc. Areas for consideration may vary from year to year.

Note: May be taken more than once for credit in different topics.

FA 399 Units: 1.5 or 3.0 Hours: 3-0
Directed Studies in Fine Arts

Individual research in Fine Arts taken under the supervision of a faculty member. Permission of faculty member supervising the project and approval of the Associate Dean.

Note: May be taken more than once for credit to a maximum of 4.5 units.

FRAN

French Department of French Faculty of Humanities

Note: The departmental language and literature requirements are described on page 147.

FRAN 100 Units: 3.0 Hours: 6-2
Formerly: FREN 100
Introduction to French

Intensive spoken and written French. Laboratory attendance is required.

Notes: - Intended for beginners. Next course in sequence: 120.

- Credit will not be granted for both 100 and any of FREN 100, 102, 103, 105.

- Not open to students with French 11 or equivalent, in the last three years.

FRAN 120 Units: 1.5 Hours: 6-1
Formerly: FREN 160, 106, 107
Elementary French

Instruction in written and oral French including a review of the future and the conditional. Regular oral practice and short written assignments. Laboratory attendance is required.

Notes: - Normal entry point for French 11 students. Previous course in sequence: 100. Next course in sequence: 160.

- Credit will be granted for only one of 120, FREN 106, 107, 160.

- Not open to students with French 12 in the last three years, or French Immersion to Grade 7.

FRAN 150 Units: 1.5 Hours: 3-2
Formerly: FREN 150
Elementary Oral French

Develops listening comprehension. Oral expression practiced in lab. Introduces students to varied oral discourses.

Notes: - Intended for students with French 12, 120 or equivalent. May be taken concurrently with 160.

Previous course in sequence: 120. Next course in sequence: 160 or 180.

- Credit will be granted for only one of 150, FREN 150, 181, 182.

- Not open for credit to students with three years of French Immersion at any time.

- Not open to francophone students or to students who have spent at least one year in a francophone environment.

FRAN 160 Units: 1.5 Hours: 3-1
Formerly: part of FREN 150, 155, 181 and 182
Words in Context

Expands vocabulary through the exploration of authentic oral and written texts, dictionaries and electronic resource materials. Oral practice.

Notes: - Normal entry point for French 12 students who have not taken a significant part of their school studies in immersion. Previous course in sequence: 120. Next course in sequence: 180.

- Not open for credit to students with FREN 150, 155, 181, 182 or immersion beyond Grade 9.

FRAN 165 Units: 1.5 Hours: 3-0
French Connections

Various aspects of French today as seen through such media as television, comics, song, radio and the Internet.

Note: French Immersion to Grade 10 or the ability to understand spoken and written French.

FRAN 180 Units: 3.0 Hours: 3-2
Intermediate French (Intensive)

Development of skills in French with emphasis on writing. Hybrid classroom and online course.

Notes: - Normal entry point for student with French Immersion to Grade 10 or higher. Previous course in sequence: 160. Next course in sequence: 200.

- Credit will be granted for only one of 180, FREN 175, 180, 182, 190, 195.

FRAN 200 Units: 1.5 Hours: 3-0
Introduction to French Linguistics

The subject matter of linguistics as it relates to the French language. Overview of word and sentence structures and meaning.

Notes: - Credit will be granted for only one of 200, FREN 202, 202A, 202B.

- Previous course in sequence: 180. Next course in sequence: 275. May be taken concurrently with other 200-level courses including 275.

Prerequisites: 180 or equivalent, or placement by the department.

FRAN 220 Units: 1.5 Hours: 3-0
Formerly: FREN 220
French Phonetics

The theory and practice of French pronunciation, corrective phonetics, phonetic transcription, intonation, accentuation, syllabification, elision and liaison; training in reading aloud. Individual practice in the CALL Centre will be assigned. For francophone students, a research paper will be substituted for the oral examination.

Note: Credit will be granted for only one of 220, FREN 220. Enrolment limited.

Prerequisites: One of 180, FREN 175, 181, 182, 185, 190, 195.

FRAN 250 Units: 1.5
Experiential Learning

The student will present a portfolio, in a form approved in advance, based on the experience of living in a francophone environment for a period of approximately six months.

Prerequisites: Open only to students who are completing the experience requirement for a degree in French.

Grading: COM, N, F.

FRAN 275 Units: 1.5 Hours: 3-0
Formerly: part of FREN 292, 295
Writing in French I

Practice of writing in a variety of forms and the study of relevant models.

Notes: - Previous course in sequence: 200. Next course in sequence: 375.

- Credit will be granted for only one of 275, FREN 292, 295.

FRAN 280 Units: 1.5 Hours: 3-0
Literary Texts I

A selection of major texts written in French from different traditions, times and genres, illustrating the changing notion of literariness.

Note: Credit will be granted for only one of 280 and any of FREN 286, 287, 288. Students with one of these FREN courses should take 290.

Prerequisites: 180 or equivalent.

FRAN 290 Units: 1.5 Hours: 3-0
Literary Texts II

A close reading of literary texts written in French. Analytical and critical approaches to texts will vary.

Note: Credit will be granted for 290 and any of FREN 286, 287, 288.

Prerequisites: 280.

FRAN 300 Units: 3.0 Hours: 3-0
Formerly: FREN 300
French Reading Course

Presentation of basic sentence structures and vocabulary, and reading of texts in order to prepare students to acquire a reasonable reading comprehension of scientific and scholarly works in French. Primarily intended for students who have little knowledge of French and are enrolled in university departments requiring a reading knowledge of a second language.

Notes: - Credit will be granted for only one of 300, FREN 300.

- Not open to students with credit in, or registered in, 180 or higher. Limited normally to students in third- or fourth-year or in graduate studies. Students with no previous French should take at least 100 before undertaking 300. Credit may be obtained for both 300 and any other FRAN course.

Grading: COM, N, F.

FRAN 325 Units: 1.5 Hours: 3-0
Studies in the Cultures of the French-speaking World (in English)

Study of cultures in the French-speaking world using a variety of sources.

Note: May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

Prerequisites: Third-year standing. Students writing their assignments in French must have a minimum of C+ in 275 or equivalent skill in French.

FRAN 335 Units: 1.5 Hours: 3-0
Studies in Cinema and Literature of the French-Speaking World (in English)

Cinema and the relationship of cinema with literature and culture in the French-speaking world.

Notes: - Credit will be granted for only one of 335, FREN 389A, 389B, 389C, 389D, 385E (if taken in the same topic).

- May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

300 COURSE LISTINGS

Prerequisites: HA 295 or third-year standing. Students writing their assignments in French must have a minimum of C+ in 275 or equivalent skill in French.

FRAN 340 Units: 1.5 Hours: 3-0 Studies in the Literatures or Language of the French-Speaking World (in English)

Literature or Language of the French-speaking world.
Note: May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

Prerequisites: Third-year standing. Students writing their assignments in French must have a minimum of C+ in 275 or equivalent skill in French.

FRAN 350 Units: 1.5 Hours: 4-0 Formerly: FREN 350 Advanced Oral French

Increase of oral proficiency in French and development of comprehension of oral and written French.

Notes: - Credit will be granted for only one of 350, FREN 350.

- Required for a concentration in French in the Faculty of Education.

- Not open to francophone students and normally not open to students who have spent at last one year in a francophone environment. Enrolment limited.

Prerequisites: A minimum grade of C+ in 275 or equivalent skill in French.

FRAN 375 Units: 1.5 Hours: 3-0 Formerly: FREN 302A, 302B Writing in French II

Written exercises in vocabulary and grammar, comparative stylistics, compositions.

Note: Credit will be granted for only one of 375 and any of FREN 302, 302A, 302B. Students with the FREN courses are directed to 395 or 400.

Prerequisites: A minimum grade of C+ in FRAN 275 or equivalent skill in French.

FRAN 380 Units: 1.5 Hours: 3-0 Formerly: FREN 372 French Morphology

Word formation and word markers, etymology, prefixes and suffixes, gender, number, person; grammatical categories.

Note: Credit will be granted for only one of 380, FREN 372.

Prerequisites: A minimum grade of C+ in 275 (or equivalent skill in French), and 200 or 220 or an introductory course in Linguistics.

FRAN 385 Units: 1.5 Hours: 3-0 Formerly: FREN 374 French Syntax and Semantics

Verbal and phrase constructions, the question of agreement; shifts in meaning; grammatical exceptions.

Note: Credit will be granted for only one of 385, FREN 374.

Prerequisites: A minimum grade of C+ in 275 (or equivalent skill in French), and 200 or 220 or an introductory course in Linguistics.

FRAN 390 Units: 1.5 Hours: 3-0 Formerly: FREN 390 Critical Methods

Discovering meaning in literature; how to read a literary text. Practical introduction to various methods of analyzing literary texts; a survey of modern literary theory (1950-1990).

Note: Credit will be granted for only one of 390, FREN 390.

Prerequisites: See Program Requirements.

FRAN 395 Units: 1.5 Hours: 1.5-1.5 Formerly: part of FREN 302, 302C Advanced French Writing Workshop

Writing in French of creative texts, editing, using technology. Includes an online component.

Note: Credit will be granted for only one of 395, FREN 302, 302C.

Prerequisites: A minimum grade of C+ in 275, or equivalent skill in French.

FRAN 400 Units: 1.5 Hours: 3-0 Formerly: FREN 420, 429 Advanced Studies in French Linguistics

Intensive study of a selected topic in French linguistics or applied linguistics.

Notes: - Credit will be granted for only one of 400, FREN 420, 429 (if taken in the same topic).

- May be taken more than once in different topics with permission of the department to a maximum of 4.5 units.

Pre- or corequisites: 380, 385, or permission of the department.

FRAN 402 Units: 1.5 Hours: 3-0 Formerly: FREN 402 An Advanced Language Course in Modern French Usage

Focus on written expression through composition, textual analysis and commentaire composé, with attention paid to both literary and informal usage.

Note: Credit will be granted for only one of 402, FREN 402.

Prerequisites: See Program Requirements; 375 or equivalent.

FRAN 404 Units: 1.5 Hours: 3-0 Formerly: FREN 425A History of the French Language I

The evolution of the language from the eighth to the 18th century. Through the study of representative literary and non-literary texts in the original, in relation to historical circumstances, students will acquire familiarity with major social and cultural events and become aware of the diversity and the mobility of the language.

Note: Credit will be granted for only one of 404, FREN 425A.

Prerequisites: 375 or equivalent.

FRAN 405 Units: 1.5 Hours: 3-0 Formerly: FREN 425B History of the French Language II

The French language from the 15th to the 20th century. The elaboration of linguistic norms and the creation of institutions devoted to linguistic purity. Evolution and variety of the language through the study of representative documents such as dictionaries, laws, travel literature, descriptions of the Americas and novels.

Note: Credit will be granted for only one of 405, FREN 425B.

Prerequisites: 375 or equivalent.

FRAN 406 Units: 1.5 Hours: 3-0 Formerly: FREN 426, 426A, 426B Studies in Translation

A comparative study of the characteristics of French and English expression and how they pertain to the problems of translation; practice in translation from either English to French or French to English.

Notes: - Credit will be granted for only one of 406, FREN 426, 426A, 426B (if taken in the same topic).

- May be taken for credit more than once in different topics with permission of the department to a maximum of 3 units.

Prerequisites: A grade of B or higher in 375 or equivalent. Satisfaction of the University English requirement.

FRAN 410 Units: 1.5 Hours: 3-0 Studies in Québec or French-Canadian Literature

Study of major texts: genres, periods, gender studies, theoretical approaches, cultural and historical contexts.

Notes: - Credit will be granted for only one of 410, FREN 480, 482, 484, 485 (if taken in the same topic).

- May be taken more than once for credit in different topics with permission of the department to a maximum of 4.5 units.

Prerequisites: See Program Requirements.

FRAN 411 Units: 1.5 Hours: 3-0 Formerly: FREN 480 The French-Canadian Novel from the Origins to the Modern Period

A survey of the French-Canadian novel with special emphasis on the first half of the 20th century.

Note: Credit will be granted for only one of 411, FREN 480.

Prerequisites: See Program Requirements.

FRAN 412 Units: 1.5 Hours: 3-0 Formerly: FREN 482 Contemporary French-Canadian Novel

The French-Canadian novel in the second half of the 20th century, in particular *la nouvelle écriture* since 1960.

Note: Credit will be granted for only one of 412, FREN 482.

Prerequisites: See Program Requirements.

FRAN 415 Units: 1.5 Hours: 3-0 Formerly: FREN 485 French-Canadian Poetry

French-Canadian poetry from Emile Nelligan to the present. Emphasis on Alain Grandbois, St-Denis-Garneau, Anne Hébert, Rina Lasnier, Gaston Miron, Roland Giguère, Michel Beaulieu, Nicole Brossard.

Note: Credit will be granted for only one of 415, FREN 485.

Prerequisites: See Program Requirements.

FRAN 417 Units: 1.5 Hours: 3-0 Also: ENGL 458 Formerly: FREN 487 Comparative Studies in Contemporary French and English Canadian Literature

An introduction to the comparative study of contemporary Canadian Literature in both official languages. Classes will be conducted in English; readings and assignments can be done in either language. However, students taking a Combined Major in English and French (Canadian Literature) must read the texts in the original. May include works by George Bowering, Daphne Marlatt, Lola Lemire Tostevin, Jacques Poulin, Tomson Highway and Nicolas Dickner. Students enrolled in FRAN 417 must submit all written assignments in French.

Note: Credit will be granted for only one of 417, FREN 487, ENGL 458.

Prerequisites: See Program Requirements.

FRAN 420 Units: 1.5 Hours: 3-0 Studies in Francophone Literatures and Cultures

Topics in francophone African, Caribbean and Indian Ocean novels, poetry and drama.

Notes: - Credit will be granted for only one of 420, FREN 477, 477A, 477B (if taken in the same topic).

- May be taken more than once for credit in different topics with permission of the department to a maximum of 4.5 units.

Prerequisites: See Program Requirements.

FRAN 422 Units: 1.5 Hours: 3-0
Formerly: **FREN 477A, part of FREN 477**
Contemporary Francophone African Novel

The Francophone African novel in the second half of the 20th century and the first part of the 21st century. Screening of African films to highlight issues in the novels selected.

Note: Credit will be granted for only one of 422, FREN 477A, 477.

Prerequisites: See Program Requirements.

FRAN 423 Units: 1.5 Hours: 3-0
Formerly: **FREN 477B, part of FREN 477**
Contemporary Francophone Caribbean Novel

The Francophone Caribbean novel in the second half of the 20th century and the first part of the 21st century. Screening of Caribbean films to highlight issues in the novels selected.

Note: Credit will be granted for only one of 423, FREN 477B, 477.

Prerequisites: See Program Requirements.

FRAN 430 Units: 1.5 Hours: 3-0
Studies in French Literatures and Culture before 1800

The studies of texts and traditions linked by genre, period, movement or theme, within their historical and cultural contexts.

Notes: - Credit will be granted for only one of 430, FREN 440, 441, 444, 446B, 446E, 448, 450A, 450B, 451, 452, 455B (if taken in the same topic).

- May be taken more than once for credit in different topics with permission of the department to a maximum of 4.5 units.

Prerequisites: See Program Requirements.

FRAN 431 Units: 1.5 Hours: 3-0
Formerly: **FREN 440**
Medieval Literature

Study of a number of medieval literary works in the original. Students will acquire some familiarity with medieval French and of the principal literary genres of the period. History and art will be used to give a context to the literary works.

Note: Credit will be granted for only one of 431, FREN 440, 441.

Prerequisites: See Program Requirements.

FRAN 432 Units: 1.5 Hours: 3-0
Also: **MEDI 442**
Formerly: **FREN 442**
Common Grounds in European Medieval Literature (in English)

Transcendence of national boundaries in literature and scholarship; Latin and French as universal languages. Readings: modern English translations of Latin, Old French and Old English texts representing common foundations in various genres. Students enrolled in FRAN 432 must submit all written assignments in French; students enrolled in MEDI 442 must submit all written assignments in English.

Note: Credit will be granted for only one of 432, FREN 442, MEDI 442.

Prerequisites: A minimum of C+ in 275, or equivalent skill in French.

FRAN 434 Units: 1.5 Hours: 3-0
Formerly: **FREN 444**
Medieval and Renaissance Theatre

Medieval and Renaissance plays in the original. Through a selection of dramatic texts, students will explore the conditions of theatrical representations

before theatres were built in stone. Farces, miracles, sottes and comedies will be placed in the context of religious holidays, Carnival, or school plays.

Note: Credit will be granted for only one of 434, FREN 444.

Prerequisites: See Program Requirements.

FRAN 435 Units: 1.5 Hours: 3-0
Formerly: **FREN 446A**
Renaissance Poetry

Through a selection of poems of the late medieval and Renaissance periods, in the original, students will be acquainted with the terminology of versification, the major poetic genres of the period and some great figures of the French Renaissance.

Note: Credit will be granted for only one of 435, FREN 446A.

Prerequisites: See Program Requirements.

FRAN 436 Units: 1.5 Hours: 3-0
Formerly: **FREN 448**
Renaissance Prose

Love, betrayal, justice, humour and humanism: through a selection of short stories, chapters from novels and essays, students will study the emergence of new ideas about the world and about the humanity of humankind.

Note: Credit will be granted for only one of 436, FREN 448.

Prerequisites: See Program Requirements.

FRAN 441 Units: 1.5 Hours: 3-0
Formerly: **FREN 455B**
Comedy in the 17th and 18th Centuries

A literary study of comedy in France in the classical period, with special emphasis on the works of Molière, Marivaux and Beaumarchais.

Note: Credit will be granted for only one of 441, FREN 455B.

Prerequisites: See Program Requirements.

FRAN 443 Units: 1.5 Hours: 3-0
Representations of 17th-Century French Society

The study of texts and images of the age of Louis XIII and Louis XIV, with emphasis on the changing roles of women, social class and family dynamics under the influence of developments in language, art, religion and politics.

Notes: - Credit will be granted for only one of 443, FREN 446B, 450A, 450B, 452, 455B.

- Students with credit for FREN 446B, 450A, 450B, 452, 455B must consult the department to determine whether they may obtain a waiver to take this course for credit.

Prerequisites: See Program Requirements.

FRAN 444 Units: 1.5 Hours: 3-0
18th-Century French Literature and Culture

The study of texts and images of 18th-century France, with emphasis on the changing roles of women, social class and family dynamics under the influence of developments in philosophy, art and politics.

Notes: - Credit will be granted for only one of 444, FREN 451, 452, 455B.

- Students with credit for FREN 451, 452, 455B must consult the department to determine whether they may obtain a waiver to take this course for credit.

Prerequisites: See Program Requirements.

FRAN 446 Units: 1.5 Hours: 3-0
Formerly: **FREN 451**
The Enlightenment

Principal literary works of the philosophes of the 18th century.

Note: Credit will be granted for only one of 446, FREN 451.

Prerequisites: See Program Requirements.

FRAN 450 Units: 1.5 Hours: 3-0
Studies in French Literature and Culture after 1800

A selection of major texts linked by genre, period, movement, or theme, studied within their historical and cultural context.

Notes: - Credit will be granted for only one of 450, (FREN 446D, 460A, 460B, 462A, 462B, 462C, 466, 470 (if taken in the same topic).

- May be taken more than once for credit in different topics with permission of the department to a maximum of 4.5 units.

Prerequisites: See Program Requirements.

FRAN 452 Units: 1.5 Hours: 3-0
French Romanticism

A survey of texts from different literary and artistic genres from the key post-revolutionary French artistic movement known as Romanticism.

Notes: - Credit will be granted for only one of 452, FREN 446D, 460A, 460B, 466.

- Students with credit for FREN 446D, 460A, 460B, 466 must consult the department to determine whether they may obtain a waiver to take this course for credit.

Prerequisites: See Program Requirements.

FRAN 453 Units: 1.5 Hours: 3-0
Decadence and Symbolism

A look at the new aesthetic sensibilities in different literary and artistic genres after the Second Republic (1848), including movements such as Decadence and Symbolism.

Notes: - Credit will be granted for only one of 453, FREN 446D, 460A, 460B, 466.

- Students with credit for FREN 446D, 460A, 460B, 466 must consult the department to determine whether they may obtain a waiver to take this course for credit.

Prerequisites: See Program Requirements.

FRAN 455 Units: 1.5 Hours: 3-0
Dada and Surrealism: the End of the Novel

The rise of the greatest artistic movement of the 1920s and 1930s in France and Europe out of the ashes of WWI.

Notes: - Credit will be granted for only one of 455, FREN 462A, 462B, 462C, 470.

- Students with credit for FREN 462A, 462B, 462C, 470 must consult the department to determine whether they may obtain a waiver to take this course for credit.

Prerequisites: See Program Requirements.

FRAN 456 Units: 1.5 Hours: 3-0
Formerly: **FREN 470**
20th-Century French Theatre

The distinctive characteristics of modern theatre and of major theatrical movements; plays illustrating different themes and theatrical styles.

Note: Credit will be granted for only one of 456, FREN 470.

Prerequisites: See Program Requirements.

FRAN 457 Units: 1.5 Hours: 3-0
Breaking New Ground after Existentialism

The various faces of fiction, from the "Nouveau Roman" to postmodernism in French contemporary literature (1945 to today).

Notes: - Credit will be granted for only one of 457, FREN 462A, 462B, 462C, 470.

- Students with credit for FREN 462A, 462B, 462C, 470 must consult the department to determine whether they may obtain a waiver to take this course for credit.

Prerequisites: See Program Requirements.

302 COURSE LISTINGS

FRAN 470 Units: 1.5 Hours: 3-0 Studies in Culture, Literature or Language of the French-Speaking World

Occasional offerings devoted to the culture, literature, or language of the French-speaking world. May include genre, thematic, or cross-cultural topics.

Notes: - Credit will be granted for only one of 470, (FREN 488F, 488G, 488H, 488I if taken in the same topic).

- May be taken more than once for credit in different topics with permission of the department to a maximum of 4.5 units.

Prerequisites: See Program Requirements.

FRAN 475 Units: 1.5 Hours: 3-0 Modern French

Detailed study of contemporary French, with particular attention to aspects of the language useful to immersion teachers.

Note: Restricted to students in the TFI program.

Prerequisites: Admission to the TFI program (see Continuing Studies in Education).

FRAN 480 Units: 1.5 Hours: 3-0 Directed Studies

Note: May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

Prerequisites: Permission of the department and of the Dean of Humanities.

FRAN 499 Units: 1.5 Formerly: FREN 499 Honours Graduating Essay

During the final year of the Honours program, students will write a graduating essay in French of approximately 7,500 words (i.e., 30 typed pages, double-spaced) under the direction of a member of the department; the topic to be approved by the Honours Committee. The essay must conform to acceptable standards of style and format and be submitted before the end of second term classes. An oral examination in French covering the topic of the essay will be conducted by a committee of three persons (normally, the faculty supervisor, the second reader, and the departmental Honours Adviser).

Note: Credit will be granted for only one of 499, FREN 499.

GEOG

Geography Department of Geography Faculty of Social Sciences

GEOG 101A Units: 1.5 Hours: 3-2 Environment, Society and Sustainability

Introduction to the functioning of the biosphere, the ways in which humans alter natural processes, environmental consequences of these alterations and the implications for sustainability. Topics include: energy flows, biogeochemical cycles, ecosystem structure and dynamics, pollution, global change, water resources, biodiversity, endangered species, protected areas, agriculture and food, forestry, marine resources, poverty and development and different worldviews. Potential for a sustainable society is discussed.

Note: Credit will be granted for only one of 101A, ES 101.

GEOG 101B Units: 1.5 Hours: 3-2 Introduction to Human Geography

Perspectives on the scope and purpose of human geography, emphasizing approaches, concepts and scales of geographical analysis. Topics include: social geography of cities; interpretation of regional; cul-

tural and economic landscapes; urbanization and industrialization of regions; and economic development and social change in the world system.

GEOG 110 Units: 1.5 Hours: 3-3 Also: EOS 110 Oceans and Atmosphere

Origin and structure of the oceans and atmosphere. Dynamic processes that drive ocean and atmosphere circulation, weather patterns and global climate change. The coastal ocean, marine ecosystems, nutrient and carbon cycles, human influences on ocean environments, marine resources, and sustainability.

Notes: - Credit will be granted for only one of 110, EOS 110, GEOG 203B, 213, 216, EOS 350.

- Credit will be granted for only two of the following courses with no more than one course from a particular group:

- Group 1. EOS 100, EOS 101;
- Group 2. EOS 110, GEOG 110, GEOG 216;
- Group 3. EOS 120, GEOG 120, GEOG 217.

GEOG 120 Units: 1.5 Hours: 3-3 Also: EOS 120 The Dynamic Earth

Internal and external processes that shape the Earth and its landscapes. Nature of tectonic forces, earthquakes, volcanoes, rocks and minerals, and mountain building. Processes of erosion, sediment transport and deposition, and glaciation. Global water cycle and hydrological processes. Geologic record of past environmental change and its impact on life. Natural resources, natural hazards, and sustainability.

Notes: - Credit will be granted for only one of 120, EOS 120, GEOG 203A, 213, 217.

- Credit will be granted for only two of the following courses with no more than one course from a particular group:

- Group 1. EOS 100, EOS 101;
- Group 2. EOS 110, GEOG 110, GEOG 216;
- Group 3. EOS 120, GEOG 120, GEOG 217.

GEOG 209 Units: 1.5 Hours: 3-2 Formerly: 350, 350A, 350B, ES 316 Introduction to Resource Management

Introduces students to the conceptual foundations of resource and environmental management by emphasizing geographic aspects of resource systems within environmental, social, economic, and policy frameworks. Using a variety of examples, it examines strategies and tools such as adaptive management approaches, ecosystem-based management, impact assessment, and conflict resolution.

Note: Credit will be granted for only one of 209, 350, 350A, 350B, ES 316.

Prerequisites: 101A, 101B.

GEOG 211 Units: 1.5 Hours: 3-2 Formerly: 201A, 201B Economic Geography

An examination of how economic forces, operating in a cultural and political context, shape the location of economic activity in cities, regions, and developed/developing areas of the world system.

Note: Credit will not be granted for only one of 211, 201A, 201B.

Prerequisites: 101B.

GEOG 218 Units: 1.5 Hours: 3-2 Cultural Geography

An introduction to the interpretation of cultural landscapes in a variety of geographical settings. Topics include the contested meanings of culture and landscape, place and placelessness, cultural production and consumption, and political struggles over the spatial expression of cultural memory and identity.

Prerequisites: 101B.

GEOG 219 Units: 1.5 Hours: 3-0 Geography of British Columbia

An examination of the physical, economic, and cultural landscapes that distinguish the cities and rural regions of Canada's West Coast province.

GEOG 222 Units: 1.5 Hours: 3-2 Introduction to Maps and GIS

Introduces techniques and fundamentals of spatial data and analysis. Topics include: scale, map interpretation, traverses, GPS and geographic information systems.

Note: Open to students with credit in 202.

Prerequisites: Second-year standing.

GEOG 226 Units: 1.5 Hours: 3-2 Formerly: 321 Introduction to Quantitative Methods in Geography

Application of statistical techniques to geographic problems. Topics include hypothesis formulation, sampling strategies, parametric and nonparametric statistical tests, statistical models. All laboratory exercises are computer based.

Notes: - Credit will be granted for only one of 226, 321.

- See Credit Limit, page 41.

Prerequisites: 3 units of 100- or 200-level Geography or 3 units of 100- or 200-level EOS.

GEOG 228 Units: 1.5 Hours: 2-2 Introduction to Remote Sensing

Introduces the use of remotely sensed images to address information issues related to both physical and human geography. Students will be exposed to a range of image types and resolutions, as well as methods and tools used for their analysis.

Prerequisites: Second-year standing.

GEOG 272 Units: 1.5 Hours: 2-2 Introduction to Climatology and Hydrology

An investigation of the fundamental processes controlling climate and hydrology. Explores various factors and interactions that determine the spatial and temporal variations of individual climate elements. Special attention is given to the mutual interaction of climate with the Earth's surface and the role that ground surface type or cover plays in moderating local climate and hydrology.

Prerequisites: 110 or EOS 110.

GEOG 274 Units: 1.5 Hours: 2-2 Introduction to Biogeography

Examines the relationships among organisms - principally plants and animals - and their environment, emphasizing their distributions across a range of spatial and temporal scales. Examines basic ecological and evolutionary concepts affecting biogeographic processes of dispersal, speciation and extinction; how patterns of biodiversity change over space and time from early earth history to the contemporary environment; the nature of changing biotic distributions with increasing human impacts and global change.

Prerequisites: 101A.

GEOG 276 Units: 1.5 Hours: 2-2 Introduction to Geomorphology

Introduction to Earth surface process and landforms including riverine, desert, coastal, glacial, hillslope and permafrost environments. Focus on regional and Canadian landscapes. Involves a field trip.

Prerequisites: 120 or EOS 120.

GEOG 306 Units: 1.5 Hours: 3-0
Geography of Canada

An examination of the physical, economic, and cultural landscapes that distinguish the geographical character of major regions in Canada. Issues surrounding Canada's identity and expressions of regionalism are considered.

GEOG 308 Units: 1.5 Hours: 2-2
Introduction to GIS

Fundamentals and sources of geographic information, basic skills in geographic data browsing and query, and introductory skills in thematic map production. Laboratory component introduces GPS and commercial geographic information software solutions.

Note: Credit will be granted for only one of 308, 222. Students with credit in 222 or 228 are not permitted to register in 308. This service course is intended for students with a general interest in the field of geomatics.

GEOG 314 Units: 1.5 Hours: 3-0
Formerly: 214
Global Environment Change and Human Response

Based on four components: global environmental change; sustainable development; biodiversity; and population impoverishment and environmental degradation. Lectures and discussion emphasize the causes of global change, the present and expected impacts on natural and social systems, and response strategies that have been proposed or enacted.

Note: Credit will be granted for only one of 314, 214 (if taken prior to 2006).

Prerequisites: Second-year standing.

GEOG 319 Units: 1.5 Hours: 2-2
Remote Sensing of the Environment

Focuses on physical principles underlying remote sensing and electromagnetic propagation in free space and matter; attenuation, absorption and scattering mechanisms; interaction of energy with the atmosphere and Earth materials such as vegetation, soil, rock, water and urban structures; and microwave/LIDAR interaction with Earth materials.

Prerequisites: 222, 228.

GEOG 322 Units: 1.5 Hours: 2-2
Digital Remote Sensing

Processing and analysis of digital remotely sensed data. Data from various sources will be discussed and analysed with respect to their applicability in geographical sciences. Laboratory assignments will use image analysis software in a variety of applications.

Prerequisites: 222, 228.

GEOG 323 Units: 1.5 Hours: 2-2
Cartography

Introduces topographic and thematic cartography. Emphasis on cartographic data manipulation, generalization, and symbolization; map design, visualization and communication. Laboratory assignments will provide practical experience in designing and drafting maps.

Prerequisites: 222.

GEOG 324 Units: 1.5 Hours: 3-0
Directions in Geography

An intellectual history of geographical thought, concentrating on trends, ideologies and controversies since 1960. Idiographic, nomothetic, quantitative, behavioural, applied radical, humanistic and recent social theory and GIS approaches are critically discussed in seminars.

Prerequisites: 4.5 units of 100- or 200-level Geography.

GEOG 325 Units: 1.5 Hours: 2-3
Field Surveying

An introduction to fundamental concepts of surveying and field work. This is an instrument-based course covering differential leveling, traversing, tachometry, GPS, and their applications to field work.

Prerequisites: 222; 1.5 units of 100-level MATH recommended.

GEOG 327 Units: 1.5 Hours: 2-2
Research Methods in Human Geography

An introduction to the main methodological approaches taken in the various fields of human geography. A range of paradigms (e.g., ethnography, action research, narrative analysis) and data collection techniques (e.g., questionnaire design, participant observation, focus groups, in-depth interviews) will be examined and applied to current issues in human geography.

Prerequisites: 226 recommended.

GEOG 328 Units: 1.5 Hours: 2-2
Geographic Information Sciences

GIS basics, with emphasis on raster analysis, terrain analysis, data integration, and spatial modelling.

Prerequisites: 222, 228.

GEOG 329 Units: 1.5 Hours: 2-2
Customizing GIS

The basics of GIS customization including desktop GIS customization, map mashups, model building in a GIS environment, Internet GIS, building web pages that include GIS maps and tasks, basic GIS scripts.

Prerequisites: 222, 228.

GEOG 340 Units: 1.5 Hours: 3-0
Formerly: 340B or one half of 349
Geography of the City

Examination of the forces shaping the internal structure of the contemporary city. Topics include: the land-use and spatial structure of cities; building the city; architecture of downtown and suburban areas; patterns of class and ethnicity in the changing city; suburbanization and family life; urban problems and planning the post-industrial city.

Note: Credit will be granted for only one of 340, 340B, 349.

Prerequisites: 211, 218; or permission of the department.

GEOG 343 Units: 1.5 Hours: 3-0
Planning and Urban Development

This fieldwork course considers the relationships between planning, urban design, and the development of the North American city in the 20th century. Students should be prepared to undertake one or more weekend field trips; a fee for each field trip may be applied.

Prerequisites: 211, 218; or permission of the department.

GEOG 344 Units: 1.5 Hours: 3-0
Formerly: 447
Urban Problems of Pacific Rim Developing Countries

An examination of the fundamental differences in urban organization between developed and developing countries, and studies the political, cultural and socio-economic conditions under which cities in Pacific Rim developing countries are growing.

Note: Credit will be granted for only one of 344, 447, PACI 447.

Prerequisites: 211.

GEOG 346 Units: 1.5 Hours: 3-0
Geography of Environment and Health

Theories and methods involved in environment and health research from a medical geographical perspective. "Environment" includes urban, social, political, cultural and physical environments. "Health" includes complete social, physical, and emotional well-being. Current issues in environment and health will be placed within a wider social/community context.

Prerequisites: 211, 218; or permission of the department.

GEOG 347B Units: 1.5 Hours: 3-0
Formerly: half of 347
Geographies of Development

Spatial aspects of the processes of modernization and development in Latin America, Africa, and Asia. Colonial and postcolonial theories and developments are discussed in terms of economic, social and political geography, and resulting changes in both physical and cultural landscapes.

Note: Credit will be granted for only one of 347B, 347.

Prerequisites: 211, 218; or permission of the department.

GEOG 352 Units: 1.5 Hours: 3-0
Introduction to the Geography of the Coastal Zone

Explores a wide variety of coastal topics from biophysical, ecological, and social-economic perspectives. Topics focus on coastal landscapes and communities that may include fundamentals of coastal oceanography, climate, biodiversity, water quality, fisheries, indigenous people, tourism and implications for management.

Prerequisites: Second-year standing.

GEOG 353 Units: 1.5 Hours: 3-0
Formerly: 452
Coastal and Marine Resources

A systematic integration of the biophysical, socio-economic and policy dimensions of threats and opportunities in coastal areas framed within integrated coastal management. Topics include: fisheries, aquaculture, energy, transportation, recreation and tourism, urban development and marine protected areas. Coastal planning and zoning approaches to balance threats, opportunities and conflicts are discussed.

Note: Credit will be granted for only one of 353, 452.

Prerequisites: 209.

GEOG 355 Units: 1.5 Hours: 3-0
Coastal Communities

A systems approach to the study of contemporary issues relating to the geography of coastal communities. Topics focus on the social, political, cultural and economic forces that shape coastal communities and community life at the individual, community and macro scales.

Prerequisites: 211, 218; or permission of the department.

GEOG 357 Units: 1.5 Hours: 3-0
Formerly: 455; 459A and 459B
Parks and Protected Areas

An investigation of the principles and concepts underlying the designation, planning and management of protected areas such as national and provincial park systems. Topics include: the history and philosophy of protected areas; international classifications and examples; role of native peoples; carrying capacity; visitor management; interpretation; ecosystem integrity; ecosystem management; and a variety of case studies. Students should be prepared to undertake one or more weekend field trips; a fee for each field trip may be applied.

304 COURSE LISTINGS

Note: Credit will be granted for only one of 357, 455, 459A, 459B.

Prerequisites: 209.

GEOG 358 Units: 1.5 Hours: 3-0 **Landscape Ecology**

Landscape ecology emphasizes the interaction between spatial pattern and ecological processes - that is, the causes and consequences of spatial heterogeneity across a range of scales. Focus is on the role of spatial heterogeneity in affecting the distribution and abundance of organisms, mass and energy transfers, and alterations of this structure by natural or anthropogenic forces. Implications for resource management and conservation are discussed.

Prerequisites: 101A; one of 272, 274, 276; 274 recommended.

GEOG 366 Units: 1.5 Hours: 3-0 **Formerly: 473** **Medical Geography**

Investigates the major research themes in medical geography, including the social and environmental contexts of disease, epidemiological data delivery systems, and health and the pollution syndrome. Involves lectures, seminars, and research projects.

Note: Credit will be granted for only one of 366, 473.

Prerequisites: Second-year standing.

GEOG 370 Units: 1.5 Hours: 3-2 **Hydrology**

An overview of hydrological processes, measurement techniques and data analysis. The movement of water in the hydrologic cycle via precipitation, interception, evapotranspiration, surface runoff, infiltration, soil moisture, groundwater flow and streamflow generation are examined. Applied aspects and local examples will be discussed. Involves laboratory assignments and a field trip.

Prerequisites: 272 or permission of the department; 1.5 units of 100-level MATH recommended.

GEOG 371 Units: 1.5 Hours: 3-0 **Water Resources Management**

A study of water resources management in different parts of the world, examining the influence of various physical, economic, social, political and technological factors. The alternative ways in which such problems as water scarcity, floods and declining water quality are handled will be discussed. A number of major water development schemes will be examined in detail. Students will be expected to undertake a modest research project and report upon it.

Prerequisites: 209.

GEOG 373 Units: 1.5 Hours: 2-2 **Applied Climatology**

A study of the application of physical principles to practical problems in climatology and the reciprocal interaction between climate and human activities. Topics include: urban effects on climate; air pollution; human bioclimatology; agricultural climatology; and methods of microclimatic modification.

Prerequisites: 272 or permission of the department.

GEOG 376 Units: 1.5 Hours: 3-2 **Process Geomorphology**

An investigation of the physical processes that create and maintain landforms. Focus on measurement and analysis of morphodynamic processes in fluvial, aeolian, coastal, glacial, hillslope, and/or periglacial landscapes (e.g., sediment transport, erosion, wind/wave energy, river discharge, glacial dynamics, weathering rates). Involves a field trip and/or a group project.

Prerequisites: 276 or permission of the department.

GEOG 382 Units: 1.5 Hours: 3-0 **Formerly: 367, 467, 463A**

Geography of Southeast Asia

A systematic geography of the countries of Southeast Asia. Topics include physical and cultural landscapes, regional variations, and problems associated with modernization and underdevelopment, such as settlement, land reform, urbanization and environment.

Note: Credit will be granted for only one of 382, 367, 463A, 467.

Prerequisites: Second-year standing.

GEOG 383 Units: 1.5 Hours: 3-0 **Also: PAAS 359**

Formerly: 364, 464A

Physical and Cultural Geography of China

A study of the physical environment of China and the role of the Chinese people in moulding and changing the landscape over the past four thousand years.

The subject matter will deal primarily with conditions pertaining to the Chinese earth and the Chinese people in the period up to the present, and provide an essential basis for appreciation to the transformation of China since 1949.

Note: Credit will be granted for only one of 383 (PAAS 359, PACI 383) 364, 464A.

Prerequisites: One of PAAS 100, 210, 200B; or 4.5 units of 100- or 200-level Geography.

GEOG 386 Units: 1.5 Hours: 3-0 **Formerly: 348**

World Political Geography

An examination of the ways in which political power at the national and international levels is influenced by the geographical features of the areas in which it operates. Themes include: the geographer's contribution to geopolitics; military geography; propaganda cartography; and the environmental consequences of nuclear war.

Note: Credit will be granted for only one of 386, 348.

Prerequisites: 4.5 units of 100- or 200-level Geography.

GEOG 388 Units: 1.5 Hours: 3-0 **Formerly: 466**

Regional Studies

Geography of a selected region of the world from a systematic perspective. Topics include: the physical and human landscape; settlement; economic, political and social geography; spatial variation in modernization and economic growth.

Note: Not open to students with credit in 466 without permission of the department. May be taken more than once for credit in different topics with permission of the department.

Prerequisites: Second-year standing.

GEOG 391 Units: 1.5 Hours: 3-0 **Topics in Geography**

Examination of a specific topic or area in Geography. Topic(s) will be provided in advance of registration.

Note: May be taken more than once for credit in different topics.

GEOG 418 Units: 1.5 Hours: 2-3 **Advanced Spatial Analysis and Geo-statistics**

Explores advanced topics in the numerical analysis of points, lines, areas, and surfaces in discrete and continuous space, drawing on methodologies from geo-statistics, spatial analysis, regional sciences and landscape ecology. Includes coverage of spatial systems modelling and simulation, spatio-temporal analysis, exploratory spatial analysis and spatial data mining.

Prerequisites: 328 or 329.

GEOG 420 Units: 1.5 Hours: 3-0 **Field Studies in Coastal Geomatics**

An integrated approach for using geomatics (remote sensing, GIS, spatial analysis) for data acquisition, processing and analysis to improve our understanding of marine and coastal areas. Topics focus on applications of geomatics for environmental and social lab work and seminar discussions. Students should be prepared to undertake one or more weekend field trips; a fee for each field trip may be applied.

Prerequisites: 319 or 322, and 328 or 329.

GEOG 422 Units: 1.5 Hours: 2-3 **Advanced Topics in Digital Remote Sensing**

Aspects of remote sensing including processing and classification of digital satellite and airborne data and digital elevation modelling. Emphasis will be placed on the processes of interpreting remotely sensed data, the enhancement of digital data for visual analysis and the integration of remotely sensed data with other spatial data.

Note: Students are encouraged to take both 319 and 322.

Prerequisites: 319 or 322.

GEOG 424 Units: 1.5 Hours: 3-0 **Field Studies in Coastal Geomorphology**

An advanced, field-based exploration of coastal geomorphic processes and landforms. Involves a week-long field trip to local coastal sites where students apply geomorphic concepts and methods towards a series of independent research assignments and/or group projects. Areas of investigation will span nearshore to backshore environments and wave, tidal, fluvial/estuarine, and aeolian processes. A field trip fee may be applied.

Prerequisites: 376 and one of 370, 372, 373, 374; permission of the department by 15 March of previous Winter Session.

GEOG 428 Units: 1.5 Hours: 2-3 **Advanced Topics in Geographic Information Sciences**

Contemporary research topics in the geographic information sciences. Topic will vary annually, but will be selected from one of the following: spatial decision support; visualization; business demographics; environmental modeling; or spatial analysis. Students are advised to consult the department for an outline of the specific topic covered any year.

Note: Credit will be granted for only one of 428, 423.

Prerequisites: 328 or 329.

GEOG 430 Units: 1.5 Hours: 3-0 **Seminar in Coastal Studies**

Provides students with an opportunity to synthesize and consolidate their knowledge of coastal studies in order to apply that knowledge effectively to the challenges of coastal zone management. Students should be prepared to undertake one or more weekend field trips; a fee for each field trip may be applied.

Pre- or corequisites: Two of 420, 438, 453, 457, 458, 474, 478.

GEOG 438 Units: 1.5 Hours: 3-0 **Aquaculture in British Columbia**

Introduction to the aquaculture industry within British Columbia, reviewing the history, culture species, production methods (hatchery through seafood processing), technological innovations, economics, marketing, environmental impacts/management, social issues (including First Nations), and the regulatory framework for this agri-food industry. Includes a field trip to aquaculture sites. Students should be prepared to undertake one or more weekend field trips, or a week-long field trip; a fee for each field trip may be applied.

Prerequisites: 353.

GEOG 439 Units: 1.5 Hours: 3-0
Coastal Community Health

A range of different case studies will be explored in thematic areas such as: culture, water related issues, climate change and coastal vulnerability, and the politics and economics of health care. Investigates methodological techniques for addressing coastal community health challenges (both health and health services) at the individual and community scales.

Pre- or corequisites: 355.

GEOG 440 Units: 1.5 Hours: 3-0
Interpreting the Suburban Landscape

A seminar and fieldwork course focusing on the historical and contemporary development of the suburban landscape of the North American city.

Prerequisites: One of 340, 340A, 340B, 343 or 363.

GEOG 441 Units: 1.5 Hours: 3-0
The Design and Planning of Cities

A seminar and fieldwork course focusing on influential planners, developers, architects and politicians who have shaped the design and planning of the modern European and North American city since the mid-19th century.

Prerequisites: 340, 343.

GEOG 448 Units: 1.5 Hours: 3-0
Urban Social Geography and Planning

Focuses on the spatial dimensions of social identity that inform our understanding of class structure, race, ethnicity, gender, age, disability and sexuality within the urban landscape. Also examines the challenges posed by social inequalities in historical and contemporary cities.

Prerequisites: One of 340, 340A, 340B, 343, 363.

GEOG 450 Units: 1.5 Hours: 3-0
Formerly: 450A and 450B
Decision Making in Resources Management

Examines the decision making theory and real world processes associated with resources management at the policy and field levels. Case studies used to illustrate decision making behaviour, from conflict to co-operation. Simulation sessions, field trip and field methods review.

Note: Credit will be granted for only one of 450, 450A.

Prerequisites: One of 209, 350, 350A, 350B, ES 316.

GEOG 453 Units: 1.5 Hours: 3-0
Field Studies in Coastal and Marine Resources

Integrated coastal management is applied through community-based research. Based on a week-long field camp, discussions, projects and presentations, students gain first-hand experience in both biophysical and socio-economic perspectives of coastal areas. A field trip fee may be applied.

Prerequisites: 353 or 452.

GEOG 456 Units: 1.5 Hours: 3-0
Wildlife Biodiversity Conservation

An examination of conservation policies, programs, and management plans for wild plants and animals. Reviews biophysical foundations and social aspects of wildlife use, endangerment, range reduction and extinction. International, national, regional and local wildlife management initiatives will be examined.

Prerequisites: 274 or 374 and one of 209, 350, 350A, 350B or ES 316; 1.5 units of Biology (BIOL 150A recommended).

GEOG 457 Units: 1.5 Hours: 3-0
Formerly: 455; 459A and 459B
Marine Protected Areas

An in-depth look at the challenges facing designation and management of marine protected areas in

Canada and internationally. Includes topics such as network design, governance, zoning, conflicts, ecotourism and fisheries. Students should be prepared to undertake one or more field trips; a fee for each field trip may be applied.

Note: Credit will be granted for only one of 457, 455, 459A, 459B.

Prerequisites: 352.

GEOG 458 Units: 1.5 Hours: 3-0
Marine Aquaculture: Social, Economic and Environmental Dimensions

Examines the development of marine aquaculture. Emphasis is placed on exploring the social, economic and environmental implications that mariculture has for coastal communities. Students should be prepared to undertake one or more weekend field trips, or a week-long field trip; a fee for each field trip may be applied.

Note: Fourth-year Biology students must consult with the instructor prior to registration.

Prerequisites: 353.

GEOG 474 Units: 1.5 Hours: 3-0
Formerly: 471A
Field Studies in Biogeography

A field-research course in biogeography based on a combination of reading, discussion, and data analysis. Involves a week-long field trip; a field trip fee may be applied.

Note: Credit will be granted for only one of 474, 471A.

Prerequisites: 274; permission of the instructor by 15 March of previous Winter Session.

GEOG 475 Units: 1.5 Hours: 3-0
Formerly: 471B
Boundary Layer Climatology

An investigation of the controls of climate in the atmospheric boundary layer with emphasis on the importance of boundary layer climate for people and human activities.

Note: Credit will be granted for only one of 475, 471B.

Prerequisites: 373.

GEOG 476 Units: 1.5 Hours: 3-0
Formerly: part of 471C
Advanced Studies in Geomorphology

Focusing on various geomorphologic themes, students will complete a major research project based on field work to supplement lectures, seminars and field/lab projects.

Note: Credit will be granted for only one of 476, 471C.

Prerequisites: 376.

GEOG 477 Units: 1.5 Hours: 3-0
Formerly: 471D
Field Studies in Physical Geography

The nature of scientific research in physical geography is examined through field and laboratory techniques. Includes a week-long field camp where basic approaches, methodologies and techniques are used to prepare a series of reports based on field data and collected samples. A field trip fee may be applied.

Note: Credit will be granted for only one of 477, 471D.

Prerequisites: 376 and one of 274, 358, 370, 373; permission of the instructor by 15 March of previous Winter Session.

GEOG 486 Units: 1.5 Hours: 3-0
Human Geography Case Study

A senior seminar on geographic research methods and their application to research projects. Students will be introduced to the concepts of research questions, methods, analysis and style of presentation.

Prerequisites: 226, 324, declared BA Major or Honours in Geography, fourth-year standing.

GEOG 490 Units: 1.5 or 3.0
Directed Studies in Geography

In special cases, with the consent of the department and the individual instructor concerned, a student may be permitted to pursue a course of directed studies.

Note: Courses of 1.5 or 3 units may be arranged, but no student is permitted to take more than 3 units of directed studies. In order to qualify for a 490 course a student must have a GPA of at least 6.0 in the previous 15 units of university work.

GEOG 491 Units: 1.5 Hours: 3-0
Advanced Topics in Geography

Examination of a specific topic or area in Geography. Topic(s) vary depending on faculty interests and availability. The seminar format of this course requires students to participate orally in class and to submit a term paper.

Note: May be taken more than once for credit in different topics.

Prerequisites: One of 101A, 101B, 110, 120, EOS 110, 120; and third-year standing.

GEOG 499A Units: 1.5 Hours: 3-0
Formerly: part of 499
Honours Thesis

Students will prepare the first part of an honours thesis under the direction of a faculty member from the department.

Notes: - Credit will be granted for only one of 499A and B, 499.

- 499A and B are "tied" courses and must be taken in consecutive terms except with permission of the department. Credit for 499B will be assigned only upon completion of both courses.

Prerequisites: Admission to the Geography Honours program, and fourth-year standing.

Grading: INP, letter grade (assigned upon completion of 499B; if 499B is not completed, a grade of N will be assigned to 499A).

GEOG 499B Units: 1.5 Hours: 3-0
Formerly: part of 499
Honours Thesis

Students will complete their honours thesis under the direction of a faculty member from the department. After acceptance of the thesis by the supervising faculty member, an oral presentation and defence will be scheduled during the exam period.

Notes: - Credit will be granted for only one of 499A and B, 499.

- 499A and B are "tied" courses and must be taken in consecutive terms except with permission of the department. Credit for 499B will be assigned only upon completion of both courses.

Prerequisites: 499A.

GER

German

Department of Germanic and Slavic Studies

Faculty of Humanities

Courses in German language.

GER 100A Units: 1.5 Hours: 3-0
Formerly: first half of 100
Beginners' German I

For students with no previous knowledge of German and who wish to acquire a command of the spoken and written language. Includes instruction in essential points of grammar, basic vocabulary, and fundamental structures for everyday interaction, as well as reading and writing. Includes practice in the Language Centre.

306 COURSE LISTINGS

Note: Credit will be granted for only one of 100A, 100.

GER 100B Units: 1.5 Hours: 3-0 Formerly: **second half of 100** **Beginners' German II**

Expansion of knowledge and skills acquired in 100A. Progress towards command of the spoken and written language in preparation for intermediate work. Practice with new media will reinforce basic speech patterns and idioms.

Note: Credit will be granted for only one of 100B, 100.

GER 200 Units: 1.5 Hours: 3-0 **Intermediate German**

Expansion of knowledge and skills acquired in 100B; in particular, in speech patterns and style as well as grammar. Practice with new media will develop written composition skills. Recommended as a preparation for 252.

Note: Credit will be granted for only one of 200, 149.

GER 252 Units: 1.5 Hours: 3-0 **Conversational German**

Emphasis on spoken German which may include the use of short nonfictional and fictional texts, film and music.

GER 300 Units: 1.5, formerly 3 Hours: 3-0 **Advanced German**

A continuation and reinforcement of 200. Practice in written composition, speech patterns and style, and grammar. Material may include new media. Intended to serve as a foundation for the further study of German language, literature and culture.

GER 352 Units: 1.5 Hours: 3-0 **Advanced Oral German I**

Conducted entirely in German. Designed to increase oral proficiency and to develop comprehension of oral and written German.

GER 390 Units: 1.5 Hours: 3-0 **German Reading Course**

Survey of grammar and reading of general and scientific texts, designed to meet the needs of students who have no knowledge of German, but who want to gain reading comprehension in general or in a special field.

Note: Credit will be granted for only one of 390, 100, 140. Limited normally to students in third- or fourth-year or in graduate studies.

GER 400 Units: 1.5, formerly 3 Hours: 3-0 **Advanced Writing**

A continuation and reinforcement of 300; an advanced study of German to further the development of written composition skills through intercultural communication.

GER 452 Units: 1.5 Hours: 3-0 **Advanced Oral German II**

A continuation of 352, conducted entirely in German. Designed to increase oral proficiency and to develop comprehension of oral and written German.

GER 453 Units: 1.5 Hours: 3-0 **Advanced Translation**

A comparative study of idiomatic usages of English and German, and of related problems in translation; practice in translation from English to German, and from German to English.

GER 471 Units: 1.5 Hours: 3-0 Formerly: **half of 403** **The Evolution of Early German**

A survey of the evolution of German from its Germanic origins to the mid-15th century. Focus is on historical influences affecting Old and Middle German, e.g., the Dark Ages, the Carolingian era, reli-

gion and chivalry in the Middle Ages, expansion into Central Europe and the beginnings of urban growth and a more complex society in the 14th and 15th centuries.

Note: Credit will be granted for only one of 471, 403.

GER 472 Units: 1.5 Hours: 3-0 Formerly: **half of 403** **The Evolution of Modern German**

Examines the influences affecting German since the invention of the printing press. These include Luther, French and English, prescriptive grammarians, German writers and scientists, industrialization, and politics and commerce in this century.

Note: Credit will be granted for only one of 472, 403.

GER 499 Units: 1.5 **Honours Graduating Essay**

During either semester of the final year of their Honours program, students will write a graduating essay in German of approximately 7,500 words under the direction of a member of the department. The essay must conform to acceptable standards of style and format and be submitted before the end of classes. An oral examination covering the topic of the essay will be given by a departmental committee.

GERS

Germanic Studies **Department of Germanic and Slavic Studies** **Faculty of Humanities**

The following courses are open to all students: No knowledge of German is required.

*The timetable for courses marked * will be two hours of class time in English and a one hour seminar in either English or German, at the option of the student.*

GERS 160 Units: 1.5 Hours: 3-0 Formerly: **GER 160** **Major Figures of German Culture**

Major figures of German culture and their significance for the development of German-speaking countries. Among the topics to be studied: Johann Gutenberg and the development of printing; Martin Luther; the Faust-myth; major figures of the German Enlightenment; the Brothers Grimm; 19th-century figures: Schopenhauer; Nietzsche; Wagner; Marx, and 20th-century figures: Freud; Jung; Thomas Mann; Rosa Luxemburg; Kafka; Hesse; Leni Riefenstahl; Brecht; Christa Wolf.

Note: Credit will be granted for only one of 160, GER 160. No knowledge of German required.

GERS 254 Units: 1.5 Hours: 3-0 Formerly: **GER 254** **Introduction to German Literature**

A study of literary selections from the Middle Ages to the present with special emphasis on the 20th century. Students will read widely, develop an awareness of literary movements, and be introduced to basic techniques of literary criticism.

Note: Credit will be granted for only one of 254, GER 254.

GERS 260 Units: 1.5 Hours: 3-0 **German Expressionism (1910-1933)**

Multi-media exploration of a pivotal cultural movement that spanned the visual arts, filmmaking, architecture, music and literature.

Note: No knowledge of German required.

GERS 261 Units: 1.5 Hours: 3-0 Formerly: **GER 261** **Modern Germany**

An examination of modern cultural and political changes in Germany. Material will be drawn from literary and documentary texts, analytical essays and films.

Note: Credit will be granted for only one of 261, GER 261. No knowledge of German required.

GERS 305* Units: 1.5 Hours: 3-0 Formerly: **405, GER 405** **Novelle and Short Story**

As the most "dramatic" of the shorter narrative forms, the *Novelle* gave rise in the 19th century to many attempts to define its characteristic form and its emphasis on intrigue, horror, love and the apparently inexplicable aspects of life. Against this background, representative *Novellen* from Goethe to the present day will be studied and compared to other short narrative prose forms, such as the *Märchen*, *Erzählung*, and *Kurzgeschichte*.

Note: Credit will be granted for only one of 305, 405, GER 405. No knowledge of German required.

GERS 306 Units: 1.5 Hours: 3-0 **German Drama**

A survey of drama from German-speaking countries. Studies themes, form, style and technique in German drama and explores the evolution of the genre over various literary periods. Authors to be studied may include Lessing, Goethe, Schiller, Kleist, Büchner, Brecht, Frisch, Dürrenmatt, Jelinek, Straub and others.

Note: No knowledge of German required.

GERS 307 Units: 1.5 Hours: 3-0 **History of the Novel**

A survey of the novel from the 18th century to the present. Examines themes, narrative form, and style to explore the evolution of the genre over various literary periods, such as classicism, romanticism, realism, modernism, and post-modernism.

Note: No knowledge of German required.

GERS 308 Units: 1.5 Hours: 3-0 Formerly: **GER 308, 408** **Poetry**

A study of a wide range of lyric poetry from the 18th century to the present day with the aim of teaching the students how to read German poetry for pleasure and understanding.

Note: Credit will be granted for only one of 308, GER 308, GER 408. No knowledge of German required.

GERS 333 Units: 1.5 Hours: 3-0 **Literature and Film of the Holocaust and "Third Reich"**

Focuses on Nazi popular culture and entertainment films and explores a variety of Holocaust narratives that emerged during the Second World War and its aftermath.

Note: No knowledge of German required.

GERS 354* Units: 1.5 Hours: 3-0 Formerly: **GER 354, GER 426** **Introduction to 20th-Century Literature (Pre-1945)**

Within a context of political and social transformation, the course will examine works reflecting such literary movements as Naturalism, Expressionism and Impressionism.

Note: Credit will be granted for only one of 354, GER 354, GER 426. No knowledge of German required.

GER 356 Units: 1.5 Hours: 3-0**A Short History of German Film**

An overview of German film-making from the early days of expressionism up to the New German Cinema. Films may include: *The Cabinet of Dr. Caligari*, *Metropolis*, *M*, *The Murderers Are Among Us*, *Ali: Fear Eats the Soul*.

Note: May count toward a Minor in Film Studies. No knowledge of German required.

GER 370* Units: 1.5 Hours: 3-0**Portraits of Women in German Literature from Medieval to Postmodern Times**

Compares and contrasts representations of women in poetry, drama and short prose by male and female authors throughout the ages, and introduces the students to the study of a literary phenomenon in light of both its changing historical context and its treatment in different literary genres.

Note: No knowledge of German required.

GER 411* Units: 1.5 Hours: 3-0

Formerly: GER 411

Medieval German Literature

An introduction to chivalric literature and civilization through the study of writers and their works, mainly from the first *Blütezeit* in German literature (1170-1250); early *Minnesang*, Walther von der Vogelweide, *Nibelungenlied*, Hartmann von Aue, Wolfram von Eschenbach, and others. Also provides a basic introduction to the Middle High German language through study of the original texts.

Note: Credit will be granted for only one of 411, GER 411. May count towards a Double Major with Medieval Studies. No knowledge of German required.

GER 417* Units: 1.5 Hours: 3-0

Formerly: GER 416, 418; GER 417

Storm and Stress to Classicism: Revolution and Tradition

An examination of the works of Goethe, Schiller and others, from the mid-1770s to the early 1800s. Focuses on such themes as the tragedy of the individual in political society, freedom and self-determination, and the continued search for human values.

Note: Credit will be granted for only one of 417, GER 416, 417, 418. No knowledge of German required.

GER 420* Units: 1.5 Hours: 3-0

Formerly: GER 420

Faust

A study of selected sections of Parts I and II of Goethe's work against the background of the Faust myth and its traditions.

Note: Credit will be granted for only one of 420, GER 420. No knowledge of German required.

GER 422* Units: 1.5 Hours: 3-0

Formerly: GER 422

Romanticism

Rooted firmly in German Idealism, this artistic movement spanned the four decades from the 1790s to the 1830s. It explored new realms of the imagination, turning to myth, folklore, fairy-tale, fantasy, dream. Giving due attention to philosophy, art and music, this course studies works by authors such as Tieck, Novalis, Brentano, E.T.A. Hoffman and the Schlegels, and probes the diversity of their poetry and prose.

Note: Credit will be granted for only one of 422, GER 422. No knowledge of German required.

GER 424* Units: 1.5 Hours: 3-0

Formerly: GER 423, 425; GER 424

19th Century: Realism

The changes and contrasts that characterize the literature and history of the 19th century from the Congress of Vienna (1815), through the rising materialism and social unrest of the mid-century, to the

golden age of Bourgeois Realism in the second half of the century. Themes include the effects of urbanization, the search for ethical stability, and the redefinition of sexual roles.

Note: Credit will be granted for only one of GERS 424, GER 423, 424, 425. No knowledge of German required.

GER 427* Units: 1.5 Hours: 3-0**The Dark Side of the Enlightenment: Madness in Literature**

Representations of madness in 19th and 20th century German literature against the backdrop of the Enlightenment ideals of rationality, science, human nature, art, and civilization. Examines both the glorification of madness as an artistic ideal as well as the social forces at play in different periods to generate normative ideas of gender, sexuality, culture, morality by way of labeling marginal social elements as mad.

Note: No knowledge of German required.

GER 433 Units: 1.5 Hours: 3-0

Formerly: GER 433

"Overcoming The Past" in Film and Text

An examination of how German film-makers and writers have dealt with the problem of "overcoming the past." Films (e.g., *Mephisto*, *The Nasty Girl*) and texts (e.g., *The Tin Drum*) that deal with the burden of the Nazi past will be examined as creative works and as social documents.

Note: Credit will be granted for only one of 433, GER 433. May count towards a Minor in Film Studies. No knowledge of German required.

GER 436* Units: 1.5 Hours: 3-0

Formerly: GER 431, 435; GER 436

Literature Since 1945

A study of selected texts by German-speaking authors from the end of World War II to the present.

Note: Credit will be granted for only one of 436, GER 431, 435, 436. No knowledge of German required.

GER 437 Units: 1.5 Hours: 3-0**Major German Filmmakers**

A study of the films of one major filmmaker from a German-speaking country, whose impact on cinema as an art form has been wide-ranging and international in scope. Directors may include Fritz Lang, Leni Riefenstahl, Werner Herzog, Margarethe von Trotta and Tom Tykwer. Students are asked to consult the departmental handbook for more detailed information regarding the specific director to be covered during the academic year.

Note: May count towards a Minor in Film Studies. May be taken more than once for credit in different topics to a maximum of 6 units. No knowledge of German required.

GER 438A* Units: 1.5 Hours: 3-0

Formerly: GER 438A

Special Topics

Note: May be taken more than once for credit in different topics to a maximum of 6 units. No knowledge of German required.

GER 438B* Units: 1.5 Hours: 3-0

Formerly: GER 438B

Special Topics

Note: May be taken more than once for credit in different topics to a maximum of 6 units. No knowledge of German required.

GER 439 Units: 1.5 Hours: 3-0

Formerly: GER 439

The New German Cinema

A study of major accomplishments of the New German Cinema. Considers film as both a narrative form and a means of reflecting social concerns.

Note: Credit will be granted for only one of 439, GER 439. May count towards a Minor in Film Studies. No knowledge of German required.

GER 440 Units: 1.5 Hours: 3-0

Formerly: GER 440

Kafka

A study of the works of Kafka, including *The Metamorphosis*, *The Trial*, *In the Penal Colony*, and *A Country Doctor*. Various approaches to Kafka's works will be discussed.

Note: Credit will be granted for only one of 440, GER 440. No knowledge of German required.

GER 441 Units: 1.5 Hours: 3-0

Formerly: GER 441

Brecht

A study of the works of Bertolt Brecht, including *The Threepenny Opera*, *Mother Courage*, *The Life of Galileo*, *The Caucasian Chalk Circle*, and *The Good Person of Szechuan*. The context in which Brecht wrote will be examined, as well as the changing political judgment of his works.

Note: Credit will be granted for only one of 441, GER 441. No knowledge of German required.

GER 443 Units: 1.5 Hours: 3-0

Formerly: GER 443

Christa Wolf

A study of Christa Wolf's major novels and essays. Special attention will be paid to her life and politics in the German Democratic Republic, her role in German unification, and the heated literary and political debate surrounding her text *What Remains*.

Note: Credit will be granted for only one of 443, GER 443. No knowledge of German required.

GER 444* Units: 1.5 Hours: 3-0

Formerly: GER 444

Women Writers

A study of novels from the Second Women's Movement (1970's and after) by German, Austrian, and Swiss women writers. In addition, theoretical readings, short stories, and poems will be discussed.

Note: Credit will be granted for only one of 444, GER 444. No knowledge of German required.

GER 481* Units: 1.5 Hours: 3-0**German Literature: The Last Two Decades**

A study of German-speaking authors who have achieved international recognition in recent years. Writers to be considered may include: Bernhard Schlink, Ursula Hegl, Thomas Brussig, Uwe Timm.

Note: No knowledge of German required.

GER 483 Units: 1.5 Hours: 3-0**Recent German Film**

An introduction to German films after the New German Cinema. Focuses on films released after unification, dealing with topics such as the two Germanies, literature and film, the role of history, and (re)presentation in a postmodern world.

Note: May count towards a Minor in Film Studies. No knowledge of German required.

GER 485* Units: 1.5 Hours: 3-0**Popular Culture**

An introduction to contemporary culture in German-speaking countries, dealing with literary texts and non-literary forms of expression, such as films, popular music and other media.

Note: No knowledge of German required.

GER 487 Units: 1.5 Hours: 3-0**A Cultural History of Vampires in Literature and Film**

A study of literary and cinematic vampires in historical context. Without focusing exclusively on German

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literature and film, follows the vampire myth and its various guises from classicism to postmodernism in novels, short stories, and films.

Note: May count towards a Minor in Film Studies. No knowledge of German required.

GREE

Greek

Department of Greek and Roman Studies
Faculty of Humanities

Students without previous knowledge of ancient Greek will register for GREE 101. GREE 202 is the prerequisite for GREE 301, 302, 303, 304, 305 and 306, three of which will be offered annually, circumstances permitting. Courses at the 400-level have a prerequisite of 3 units of Greek at the 300-level or above, or permission of the department.

GREE 101 Units: 1.5 Hours: 3-1
Formerly: **part of 100**

Introductory Ancient Greek I

A basic introduction to ancient Attic Greek. Based on reading and translating progressively more challenging passages in ancient Greek, with emphasis on acquiring basic vocabulary and rules of grammar. In addition to in-class hours students will practise forms and grammar one hour per week in the Language Centre.

Note: Credit will be granted for only one of 101, 100.

GREE 102 Units: 1.5 Hours: 3-1
Formerly: **part of 100**

Introductory Ancient Greek II

A continuation of 101. Reading and translation of progressively more challenging passages in ancient Greek, with emphasis on acquiring basic vocabulary and rules of grammar. In addition to in-class hours students will practise forms and grammar one hour per week in the Language Centre.

Note: Credit will be granted for only one of 102, 100.

Prerequisites: 101.

GREE 201 Units: 1.5 Hours: 3-1
Formerly: **part of 200**

Advanced Greek Grammar

Review of grammar covered in 101 and 102, followed by study of more advanced grammatical constructions. Readings will provide a transition from simplified language to unmodified literary Greek.

Note: Credit will be granted for only one of 201, 200.

Prerequisites: 102 or permission of the department.

GREE 202 Units: 1.5 Hours: 3-1
Formerly: **part of 200**

Introduction to Greek Literature

Includes select, elementary passages from a variety of major classical authors such as Euripides, Herodotus, Homer, Sophocles and Xenophon in combination with a review of grammar.

Note: Credit will be granted for only one of 202, 200.

Prerequisites: 201 or permission of the department.

GREE 250 Units: 1.5 Hours: 3-0
The Greek New Testament

A study of the language, formation, and text of the Greek New Testament. Selections from the Gospels and from Acts of the Apostles will be read.

Prerequisites: 102 or permission of the department.

GREE 301 Units: 1.5 Hours: 3-0
Formerly: **390A**

Homer

Intensive reading of selections from the *Iliad* and/or the *Odyssey*. Intended to facilitate reading ability in

ancient Greek by building upon foundations of the first- and second-year courses.

Note: Credit will be granted for only one of 301, 390A.

Prerequisites: 202 or permission of the department.

GREE 302 Units: 1.5 Hours: 3-0
Formerly: **390B**

Euripides and Sophocles

Reading and grammatical and literary analysis of one or more plays of Euripides and Sophocles. Readings will typically include one play by each author.

Note: Credit will be granted for only one of 302, 390B.

Prerequisites: 202 or permission of the department.

GREE 303 Units: 1.5 Hours: 3-0
Formerly: **390E**

Herodotus and Xenophon

Selected readings from Herodotus and the historical works of Xenophon.

Note: Credit will be granted for only one of 303, 390E.

Prerequisites: 202 or permission of the department.

GREE 304 Units: 1.5 Hours: 3-0
Formerly: **390F**

Plato

Reading and grammatical and literary analysis of one or more dialogues or other texts of Plato.

Note: Credit will be granted for only one of 304, 390F.

Prerequisites: 202 or permission of the department.

GREE 305 Units: 1.5 Hours: 3-0
Formerly: **405 and part of 490E**

Greek Orators

Readings from select orators of the fourth century. Selections may include Demosthenes, Lysias, Isocrates and Antisthenes.

Note: Credit will be granted for only one of 305, 405, 490E.

Prerequisites: 202 or permission of the department.

GREE 306 Units: 1.5 Hours: 3-0
Aristophanes

Reading and literary analysis of one or more plays.

Prerequisites: 202 or permission of the department.

GREE 401 Units: 1.5 Hours: 3-0
Formerly: **part of 490A**

Hesiod and the Homeric Hymns

An intensive study of the archaic Greek hexameter poetry of Hesiod and the Homeric Hymns. Examines the similarities and differences between the Homeric texts of the *Iliad* and the *Odyssey*, the didactic and cosmological poetry of Hesiod and the hymnic format of the *Homeric Hymns*. Selected readings from Hesiod and the *Homeric Hymns*.

Note: Credit will be granted for only one of 401, 490A.

Prerequisites: Completion of at least 3 units of Greek at the 300-level or above, including 301, or permission of the department.

GREE 402 Units: 1.5 Hours: 3-0
Formerly: **490B**

Greek Lyric Poets

Intensive introduction to archaic Greek lyric poetry. Authors studied will include Archilochus, Solon, Sappho, Alcaeus, Anacreon, and Simonides. In addition to literary analysis, attention will also be paid to the varieties of lyric metre.

Note: Credit will be granted for only one of 402, 490B.

Prerequisites: Completion of at least 3 units of Greek at the 300-level or above, or permission of the department.

GREE 404 Units: 1.5 Hours: 3-0
Formerly: **part of 490E**

Greek Historians

Advanced reading in selected Greek historians. Special attention will be given to Herodotus and Thucydides.

Note: Credit will be granted for only one of 404, 490E.

Prerequisites: Completion of at least 3 units of Greek at the 300-level or above, or permission of the department.

GREE 406 Units: 1.5 Hours: 3-0
Hellenistic Greek Authors

Reading and analysis of major Hellenistic authors. Texts studied may include selections from Apollonius, Callimachus, Theocritus, Moschus, Bion, and epigrams from the *Greek Anthology*.

Prerequisites: Completion of at least 3 units of Greek at the 300-level or above, or permission of the department.

GREE 407 Units: 1.5 Hours: 3-0
Formerly: **part of 403 and 490C**

Aeschylus

Reading and analysis of major plays by the first great fifth century Athenian dramatist.

Note: Credit will be granted for only one of 407, 403, 490C.

Prerequisites: Completion of at least 3 units of Greek at the 300-level or above, including 302, or permission of the department.

GREE 408 Units: 1.5 Hours: 3-0
Formerly: **part of 403 and 490D**

Greek Comedy

Examination of the Greek comic tradition through selected readings in the plays of Aristophanes and Menander.

Note: Credit will be granted for only one of 408, 403, 490D.

Prerequisites: Completion of at least 3 units of Greek at the 300-level or above, or permission of the department.

GRS

Greek and Roman Studies

Department of Greek and Roman Studies
Faculty of Humanities

Greek and Roman Studies courses are designed to provide students with access to a broad range of topics dealing with ancient Greek and Roman culture at all levels. A knowledge of the Greek and Latin languages is not required for GRS courses. GRS 100 is designed primarily as an elective for students in all fields of study. The department strongly recommends that any student in second year who has successfully completed GRS 100 should take either a course in Latin or Greek or a Greek and Roman Studies course at the 200- or 300-level. For courses in the Greek and Latin languages, see courses listed under GREE and LATI.

GRS 100 Units: 3.0 Hours: 3-0 or 2-0-1
Formerly: **CLAS 100**

Greek and Roman Civilization

An approach to the civilization of Greece and Rome through the evidence of literature, history, and archaeology. Attention will be focused upon those aspects of ancient cultural and intellectual growth that are of significance in the western tradition. Emphasis will be placed upon the Minoan and Mycenaean civilizations, fifth century Athens, and Augustan Rome. Essays will be required and there will be a written examination.

Note: Credit will be granted for only one of 100, CLAS 100.

GRS 200 Units: 1.5 Hours: 3-0 or 2-0-1
Formerly: **CLAS 200**
Greek and Roman Mythology

A study of Greek and Roman myths, in the context of the culture and thought of Greece and Rome. Literary and artistic sources will be used to establish and analyze the nature and function of myths in these cultures. Topics include the gods, heroes, local myths, political and cultural uses of myths, and the origins of the influence of Greek and Roman myths on European culture.

Note: Credit will be granted for only one of 200, CLAS 200.

Prerequisites: None; 100 recommended.

GRS 250 Units: 1.5 Hours: 3-0
Formerly: **CLAS 250**
The Contribution of Greek and Latin to the English Language

Out of 20,000 common words in English, 10,000 came from Latin directly or through French. The Greek element is also impressive, particularly in the ever-expanding vocabulary of science. Among topics studied will be the Greek script, principles of transliteration, the formation of nouns, adjectives and verbs, hybrid words, neologisms and semantic changes.

Note: Credit will be granted for only one of 250, CLAS 250.

GRS 300 Units: 1.5 Hours: 3-0
Formerly: **CLAS 300**
Greek Epic

An examination of epic genre in Greek literature through reading Homer's *Iliad* and *Odyssey* and Apollonius' *Jason and the Argonauts*. Themes may include the definition of the genre of epic, the nature of heroism, mortality and the construction of gender.

Note: Credit will be granted for only one of 300, CLAS 300.

Prerequisites: 100, 200 or permission of the department.

GRS 301 Units: 1.5 Hours: 3-0
Formerly: **CLAS 301, 201**
Tradition and Originality in Classical Literature

A study of how ancient writers created art for their own time and culture by reshaping the work of their literary predecessors. Readings will be drawn from various genres which may include pastoral, elegy and epic.

Note: Credit will be granted for only one of 301, CLAS 201, 301.

Prerequisites: 100 or permission of the department.

GRS 313 Units: 1.5 Hours: 3-0
Age of Cicero

Life and letters against the backdrop of civil war at the end of the Roman Republic. Topics may include: writers such as Lucretius, the 'neoterics', Catullus, Cicero and Sallust; Roman adaptation and appropriation of Greek culture; antiquarianism and the creation of a Roman past.

Prerequisites: 100 or permission of the department.

GRS 314 Units: 1.5 Hours: 3-0
Age of Nero

Nero, the last of the Julio-Claudian emperors, promoted an artistic golden age to rival that of the first emperor, Augustus. Topics for study may include: literary authors such as Seneca, Lucan, Persius and Petronius; Nero's extravagant building projects in Rome; his reputation, ancient and modern, as an artist-emperor.

Note: Credit will be granted for only one of 314, 325 (if taken in the same topic).

Prerequisites: 100 or permission of the department.

GRS 315 Units: 1.5 Hours: 3-0
Age of Augustus

Life and letters under the first Roman emperor. Topics may include: writers such as Virgil, Livy, Horace and Ovid; social and political reforms and the institution of the principate; the monuments of the city that Augustus said he inherited in brick and left in marble.

Prerequisites: 100 or permission of the department.

GRS 316 Units: 1.5 Hours: 3-0
Greek and Roman Novels and Romances

An introduction to fictional prose literature in Greco-Roman antiquity and its social context. Principal works studied will include Petronius' *Satyricon*, Apuleius' *Golden Ass*, Longus' *Daphnis and Chloe*, and other Greek romances of the Roman imperial period.

Prerequisites: None; 100 or one 300-level GRS course recommended.

GRS 320 Units: 1.5 Hours: 3-0
Formerly: **CLAS 320**
Greek Tragedy

The origins and developments of tragic drama in ancient Greece. Representative plays of Aeschylus, Sophocles and Euripides.

Note: Credit will be granted for only one of 320, CLAS 320.

Prerequisites: 100 or permission of the department.

GRS 322 Units: 1.5 Hours: 3-0
Formerly: **CLAS 322**
Greek and Roman Comedy

The origins and development of comic drama in ancient Greece and Rome. The study of representative plays of Aristophanes, Menander, Plautus, and Terence.

Note: Credit will be granted for only one of 322, CLAS 322.

Prerequisites: 100 or permission of the department.

GRS 325 Units: 1.5 Hours: 3-0
Formerly: **CLAS 325**
Topics in Greek and Roman Literature

This course is a variable content course.

Note: Credit will be granted for only one of 325, CLAS 325. May be taken more than once for credit in different topics to a maximum of 3 units.

Prerequisites: 100 or 200, or permission of the department.

GRS 326 Units: 1.5 Hours: 3-0
Formerly: **CLAS 326**
Topics in Greek and Roman Civilization

The course has variable content and may be taken more than once, to a maximum of 3 units, for credit in different topics.

Note: Credit will be granted for only one of 326, CLAS 326.

Prerequisites: 100 or 200, or permission of the department.

GRS 328 Units: 1.5 Hours: 3-0
Myth and Theory

An introduction to the major approaches to the interpretation of classical myth, from ritualist to structuralist to feminist and beyond.

Prerequisites: 200 or permission of the department.

GRS 331 Units: 1.5 Hours: 3-0
Formerly: **part of CLAS 330**
Greek History from the Bronze Age to Alexander

A survey of significant developments from the collapse of Mycenae, through the period of colonization,

to the rise of the city-state. Democracy in Athens, the Athenian empire, and the rise of Macedon will be studied in some detail.

Note: Credit will be granted for only one of 331, CLAS 330.

GRS 332 Units: 1.5 Hours: 3-0
Formerly: **part of CLAS 330**
Social and Economic History of Greece

Topics will include: women and the family in the Greek city-state including medical practices, inheritance law, household management; slavery, agriculture, and banking; systems of social organization and control.

Note: Credit will be granted for only one of 332, CLAS 330.

Prerequisites: None; 331 recommended.

GRS 333 Units: 1.5 Hours: 3-0
Alexander and the Hellenistic Age

The career of Alexander and its impact on the Mediterranean world; the collapse of political unity on his death, the rise of the Ptolemies, the literature, art, and political and social history of the Hellenistic age.

Prerequisites: 331 or permission of the department.

GRS 334 Units: 1.5 Hours: 3-0
Democracy and the Greeks

An introduction to Greek views of democracy and democratic practices, their history under the Roman Empire, and their impact on modern democratic theory.

Prerequisites: 100 or permission of the department.

GRS 335 Units: 1.5 Hours: 3-0
Formerly: **CLAS 335**
Women in the Greek and Roman World

The position of women, and attitudes towards them, in Greek and Roman society. Topics may include women and religion; women and medicine; the legal position of women; women and politics; the economic role and position of women; marriage and childbearing practices; literary representations of women; and constructions of the female in Greek and Roman society.

Note: Credit will be granted for only one of 335, CLAS 335.

Prerequisites: None; 100 or 200 recommended.

GRS 341 Units: 1.5 Hours: 3-0
Formerly: **part of CLAS 340**
Roman History

The history of Rome from Romulus to Constantine. Special attention will be paid to the creation and maintenance of empire, the Roman revolution, and the rule of the Caesars.

Note: Credit will be granted for only one of 341, CLAS 340.

GRS 342 Units: 1.5 Hours: 3-0
Formerly: **part of CLAS 340**
Roman Society

A topical introduction to Roman social and cultural history. Attention will focus first on Roman social relations and secondly on the defining features of Roman culture.

Note: Credit will be granted for only one of 342, CLAS 340.

Prerequisites: None; 341 recommended.

GRS 343 Units: 1.5 Hours: 3-0
Flavian Rome

Life and letters under the short dynasty which began with the emperor Vespasian and ended with his son, Domitian. Topics may include: writers such as Statius, Martial, Juvenal, Pliny (elder and younger) and Tacitus; clients and patrons; control of architectural space under the tyranny of Domitian.

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Prerequisites: 100 or permission of the department.

GRS 348 Units: 1.5 Hours: 3-0
The City of Rome

An introduction to the monuments and communal life of the capital of the Roman Empire, taught with an archaeological, historical, or literary emphasis, depending on the instructor. Topics include urban infrastructure, private and public spaces, and literary depictions of the city.

Prerequisites: 100 or 200 recommended.

GRS 349 Units: 1.5 Hours: 3-0
Jews and Christians in the Roman World

The history of Jews and Christians around the Mediterranean from the Maccabean rebellion to the conversion of Constantine. Topics include the Dead Sea Scrolls, the background to John the Baptist and Jesus, Paul's missions, persecution and martyrdom, and "pagan monotheism." Special attention will be given to encounters between Jews and Christians and the Roman state.

Prerequisites: 100 or 200 recommended.

GRS 361 Units: 1.5 Hours: 3-0
Aegean Bronze Age and the World of Homer

Covers material culture from the eastern Mediterranean, beginning with the Neolithic period and continuing through until the end of the Bronze Age. Much attention will be given to the Minoans on Crete and the Mycenaean Greeks, but will also cover topics such as the Cyclades and the volcanic eruption of Thera; Troy and the Trojan War; and the Hittite Kingdom in central Anatolia.

Prerequisites: 100 or 200 or permission of the department.

GRS 371 Units: 1.5 Hours: 3-0
Formerly: CLAS 371
Art and Architecture of Ancient Greece and the Aegean

An introduction to art and architecture in Greece and the Aegean from the Early Bronze Age through the Hellenistic period. Architecture, sculpture, and the minor arts are examined as evidence for cultural attitudes towards humankind, the gods, the physical world, and the exploration of form, colour, and movement. Emphasis is placed on the careful discussion of selected monuments illustrated through slides, casts, and photographs.

Note: Credit will be granted for only one of 371, CLAS 371, HA 316.

GRS 372 Units: 1.5 Hours: 3-0
Formerly: CLAS 372

Art and Architecture of the Roman World

A survey of Roman art and architecture relating the political and social development of the Roman people to their artistic expression. After an examination of Etruscan art and architecture for its formative influence on Roman attitudes, Republican and Imperial Roman art are discussed in the context of historical events. Topics include the special character of Roman art, Hellenized and Italic modes of expression, portraiture, historical reliefs, function in art, architectural space and city planning.

Note: Credit will be granted for only one of 372, CLAS 372, HA 317.

Prerequisites: None; 371 recommended.

GRS 375 Units: 1.5 Hours: 3-0
Formerly: CLAS 375

Cities and Sanctuaries of the Ancient World

An examination of selected Greek, Etruscan and Roman city and sanctuary sites in an evaluation of ancient achievements in sacred and secular architecture, urban planning, and sanctuary development. Emphasis will be placed on the changing response to human needs for an artificial framework for living,

along with the natural resources of the environment in antiquity. Each site will be examined by means of illustrated lectures, and careful consideration will be given to both the archaeological record and the ancient literary sources.

Note: Credit will be granted for only one of 375, CLAS 375. Offered alternately with 376.

GRS 376 Units: 1.5 Hours: 3-0
Formerly: CLAS 376
Ancient Technology

An introduction to the applied technologies of the Greek and Roman cultures. Presents both ancient written sources and archaeological remains from the Late Bronze Age through the Late Roman Empire. Special topics include machinery and gadgets, mass production, engineering, nautical technology, and labour.

Note: Credit will be granted for only one of 376, CLAS 376. Offered alternately with 375 and 377.

GRS 377 Units: 1.5 Hours: 3-0
Ships and Seamanship in the Ancient World

An introduction to the maritime archaeology and marine technology of the Bronze Age Near Eastern, Greek, and Roman cultures, using the evidence presented by archaeological remains of ships and harbours, and ancient visual representations and literary texts. Topics will include harbour and ship design and construction, equipment, sailing techniques, navigation and underwater archaeology.

Prerequisites: None; 371 or 372 recommended.

GRS 379 Units: 1.5 Hours: 3-0
Also: PHIL 381
Formerly: CLAS 379 and PHIL 379
Early Greek Thought

An examination of early Greek thought as embodied in Hesiod and Presocratics such as Parmenides, Heraclitus, Anaxagoras, and Democritus. These figures may be considered in the context of historical and literary writings of their society (e.g., works by Aeschylus, Herodotus, Thucydides). Issues may include: distinctions among myth, science and philosophy; notions of law, morality, and causality; the influence of early Greek thought on later thinkers.

Note: Credit will be granted for only one of 379, CLAS 379, PHIL 379, PHIL 381. This course does not presuppose a background in either Greek and Roman studies or Philosophy.

GRS 380 Units: 1.5 Hours: 3-0
Also: PHIL 383
Formerly: CLAS 380

The Life and Times of Socrates

An examination of a critical moment in Greek intellectual and political life, as seen from various points of view. Topics include: Socrates' trial and its background, the rise of the Socratic conception of philosophy and its relation to the methods of the Sophists, perceived Socratic challenges to religious and social mores, written vs. unwritten philosophy, and types of Socratic literature. Why, we will ask, was the impact of Socrates so lasting and profound?

Note: Credit will be granted for only one of 380, CLAS 380, PHIL 383.

GRS 381 Units: 1.5 Hours: 3-0
Formerly: CLAS 381
Greek and Roman Religion

A survey of Greek and Roman religious thought and practices. Focuses on conventional religious rituals and their social value, and on the success of Greek and Roman polytheism in adapting to changing historical and social circumstances. Particular attention will be paid to mystery religions, including Christianity, and their relationship to conventional forms of religious behaviour.

Note: Credit will be granted for only one of 381, CLAS 381.

GRS 382 Units: 1.5 Hours: 3-0
The Ancient World on Film

A study of the modern cinematic treatment of ancient Greek and Roman myths, historical narratives and dramatic texts from the early modern and surrealist films to the television adaptations of the 1990s. Course may include the Orpheus myth on film, *Jason and the Argonauts*, *Spartacus*, the western and Greek drama on film. Examination of the socio-cultural implications of modern uses of ancient prototypes.

Prerequisites: 100 or 200, or permission of the department.

GRS 395 Units: 1.5 Hours: 3-0
Classical Studies Abroad

An extensive overview of monuments and material culture through participation in an on-site study trip abroad. Emphasis is placed on archeology, history and art.

Note: May be taken more than once for credit in different topics with permission of the department. Interested students should contact the department during the Fall Term.

Prerequisites: Permission of the department.

GRS 441 Units: 1.5 Hours: 3-0
The Fall of the Roman Republic

The history of Rome from the Gracchi to Augustus. Topics include the democratic element of the Roman constitution, and the role of the armies and their generals. Special attention will be given to the career and writings of Cicero and other intellectuals of the time.

Prerequisites: 341 or permission of the department.

GRS 442 Units: 1.5 Hours: 3-0
Formerly: 346
Roman Law and Society

An introduction to Roman law through primary sources. Emphasis will vary from year to year, and may include private law in its social context, advocacy and judicial procedure and administrative law, and Roman jurisprudence in its intellectual context.

Note: Credit will be granted for only one of 442, 346, CLAS 346.

Prerequisites: 342 or permission of the department.

GRS 443 Units: 1.5 Hours: 3-0
The Athenian Empire

Athenian Empire and the Peloponnesian war using detailed reading of Thucydides and some inscriptional sources.

Prerequisites: 331 or permission of the department.

GRS 461 Units: 1.5 Hours: 3-0
Greece and the Near East

Focuses on Greek relations with the cultures of the wider Near East, including the Phrygians, Lydians and Hittites in Anatolia, the people of Mesopotamia, and the Egyptians. Examines the role these groups had in forming Greek identity and discuss the topics of multi-culturalism and diversity in the ancient world.

Prerequisites: 371.

GRS 462 Units: 1.5 Hours: 3-0
Archaeology of Athens

Examines the topography and monuments of Athens from the Neolithic to the Roman period. We will primarily examine the physical remains of the city and countryside to trace the development of one of the most important city-states in the Greek world and to understand its impact on western civilization.

Prerequisites: 371.

GRS 480 Units: 1.5 Hours: 2-0
 Formerly: **CLAS 480**
Seminar in Ancient History and Archaeology
 The department will offer no more than two of the following each year:
 480A Seminar in Greek History;
 480B Topics in Greek Art and Archaeology;
 480C Seminar in Roman History;
 480D Topics in Roman Art and Archaeology.
Note: Credit will be granted for only one of 480, CLAS 480.
Pre- or corequisites: For 480A: 331 or 332 or 334;
 For 480B: 371;
 For 480C: 341, 342 recommended;
 For 480D: 372;
 Or, in each case, permission of the department.

GRS 481 Units: 1.5 Hours: 2-0
Seminar in Ancient Literature
 The department will offer no more than one of the following each year:
 481A Seminar in Greek Literature;
 481B Seminar in Roman Literature;
 481C Seminar in Ancient Literature.
Prerequisites: One of 300, 301, 312, 316, 320, 322, 325, or permission of the department.

GRS 493 Units: 1.5 Hours: 2-0
Directed Study in Greek or Roman Civilization
 Intensive study of selected programs in Greek or Roman history, society, art, or archaeology. Students will be expected to prepare an extended research paper, drawing on both primary and secondary sources. Introduction to epigraphy, numismatics, papyrology, where appropriate.
Note: May be taken more than once for credit in different topics to a maximum of 3 units. The maximum credit for 493 and the former 490, 491 and 492 together must not exceed 3 units.
Prerequisites: Permission of the instructor. Students should attempt to make arrangements with the instructor before the start of term.

GRS 495 Units: 3.0 Hours: 3-3
 Formerly: **CLAS 495**
Archaeology Field Work Seminar
 An introduction to the methods and techniques of Classical Archaeology through participation in an excavation; introductory lectures will be arranged.
Note: Credit will be granted for only one of 495, CLAS 495 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the department. Interested students should contact the department during the Fall Term.
Prerequisites: Permission of the department.

GRS 499 Units: 3.0
 Formerly: **CLAS 499**
Graduating Essay in Honours
 A graduating essay, written under the supervision of a faculty member, is required of fourth-year Honours students in Greek and Latin Language and Literature, and Greek and Roman Studies.
Note: Credit will be granted for only one of 499, CLAS 499.
Prerequisites: Honours standing in fourth-year.

HA
History in Art
Department of History in Art
Faculty of Fine Arts
Courses numbered 200 generally consist of introductory level surveys of broad, thematic areas within history in art. Courses numbered 300 (not normally recommended for first-year students) are usually lecture courses covering a particular region or time period, with a more extensive research requirement for the student. Courses at the 400 level generally involve an in-depth examination of a specific body of material, and assume a certain level of intellectual sophistication and commitment on the part of the student.

HA 120 Units: 3.0 Hours: 2-0-1
Introduction to History in Art
 An introductory survey of the visual remains of some of the world's cultures from prehistory to the present day.
Note: Not open to History in Art Majors and Honours students in their fourth-year.

HA 200 Units: 1.5 or 3.0 Hours: 3-0
 Formerly: **310**
Media and Methods
 An examination of the techniques used by artists throughout history, in western and nonwestern cultures. The development of art technology is considered in its historical and social contexts. Period or area of emphasis may vary.
Note: Credit will be granted for only one of 200, 310.

HA 201 Units: 1.5 or 3.0 Hours: 3-0
Artists, Artisan and Patrons in Europe, 313-1500 CE
 Selected case studies dealing with the material culture of the European Middle Ages and Renaissance. Topics may include: the role of patrons in the making of objects; training and guild structures; copying; making masterpieces; collaboration; social status; the court artist; career patterns for artists and artisans; gender and art production; art and market economies.

HA 210 Units: 1.5 Hours: 3-0
Introduction to Research in History in Art
 An introduction to research methods, tools, and resources as well as some of the theoretical and historiographical perspectives that inform current art-historical studies.

HA 221 Units: 1.5 Hours: 3-0
The Christian Tradition in Western Art and Architecture
 An exploration of the social production of art and architecture in relation to the Christian systems of thought. Although the specific periods and topics covered may vary depending on the instructor, this course covers issues such as: the relationship of word and representation; the study of Christian iconography; the role of the liturgy; art forms as instruments and expressions of religious change.

HA 222 Units: 1.5 Hours: 3-0
The Classical Tradition in Western Art
 An introduction to the influence of Greco-Roman artistic traditions on subsequent periods of European civilization. The classical inheritance in terms of both style and iconography will be examined in a variety of selected monuments from the Middle Ages through to the 20th century.

HA 223 Units: 1.5 or 3.0 Hours: 3-0
Introduction to Western Architecture
 An introduction to the aims and methods of architectural history using case-studies of monuments from the history of Western architecture from archaic Greece to the present. Issues considered can include: changing patterns of patronage; shifts in building-types, features, and structural systems; and influential theories of design.

HA 230 Units: 1.5 Hours: 3-0
Monuments of South and Southeast Asia
 An introduction to Primal, Hindu, Buddhist and Islamic world views through the study of central religious monuments of South and Southeast Asia. The philosophical and religious principles underlying the architecture, painting and sculpture programs and the ritual, ceremonial, and political dimensions of each monument will be examined. Emphasis will be on learning to formulate ideas and develop writing skills adequate to Asian art history.

HA 234 Units: 1.5 Hours: 3-0
Encountering Renaissance Art
 An examination of key works of art and architecture by major creative minds in Europe during the Renaissance (1400-1550), such as Donatello, Alberti, Leonardo, Michelangelo, Bosch and Sophonisba Anguissola.

HA 240 Units: 1.5 or 3.0 Hours: 3-0
The Visual Arts in Early Modern Europe
 A thematic introduction to selected aspects of the visual arts in Europe during the period c. 1480-1780.

HA 250 Units: 1.5 Hours: 3-0
Middle Eastern Civilization: the Ancient World
 A survey of the art and architecture of the ancient Near East and Egypt from the fourth millennium BCE to the seventh century CE. The relationships between religion, history, literature and art are given particular attention.
Note: Credit will be granted for only one of 250, HIST 250.

HA 251 Units: 1.5 Hours: 3-0
Middle Eastern Civilization: Islam
 A survey of the art and architecture of the Islamic world, beginning with the rise of Islam in the seventh century and continuing through to the 19th century.
Note: Credit will be granted for only one of 251, HIST 251.

HA 260 Units: 1.5 or 3.0 Hours: 3-0
Artistic Production in the European Tradition, 1780-1945
 A general introduction to European artistic production in the modern period, with some limited treatment of related American developments. Surveys such movements as Neoclassicism, Romanticism, Realism, Impressionism, Cubism, Fauvism, Expressionism, Constructivism, and Surrealism, and treats the emergence of the American avant-garde around World War II.

HA 262 Units: 1.5 Hours: 3-0
Art by Women
 A thematic introduction to selected aspects of women's artistic production.
Note: May be taken more than once in different topics to a maximum of 3 units.

HA 265 Units: 1.5 Hours: 3-0
Introduction to Photography of the Pacific Northwest
 An introduction to the photographs of Oregon, Washington, British Columbia, and Alaska from the 19th to the 21st centuries, including Japanese-American

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can, Chinese-Canadian, Indigenous, Black, Euro-Canadian, and Euro-American. Emphasis will be on the social, political, ritual, and cultural sites of artistic production.

HA 266 Units: 1.5 Hours: 3-0 Mapping the Pacific Northwest

A thematic introduction to representations of the lands of the Pacific Northwest from the 19th century through the present. Uses case studies to examine ideas about territory, nation, urbanism, and the world. Topics may include romanticism, crests, landscape paintings, photography, urban design, monuments, and graffiti.

HA 268 Units: 1.5 or 3.0 Hours: 3-0 Introduction to Canadian Art and Architecture

An introductory survey of principal periods, media, practitioners, and movements in the history of non-native Canadian art and architecture from first settlement to today. The arts of English and French Canada will be considered, and the political, social, and cultural settings in which they have been made will be explored.

Note: Several classes may be taught at the Art Gallery of Greater Victoria.

HA 270 Units: 1.5 Hours: 3-0 Religion, Philosophy, and the Arts in China and Japan

An introduction to major religions and philosophies of China and Japan by exploring how values and beliefs were conveyed in the art. This is not a chronological survey of Chinese and Japanese art.

HA 280 Units: 1.5 or 3.0 Hours: 3-0 Introduction to Themes in Indigenous Arts

A comparative introduction to themes central to the study of Indigenous arts, exploring similarities and differences in art forms from various cultures. Themes discussed may include topics such as: functional arts; ceremonial arts; specific art genres; spirituality and art; environment and art; roles of artists in society; contemporary arts. Regions and cultures studied will vary from year to year.

Note: May be taken more than once for credit in different topics.

HA 284 Units: 1.5 Hours: 3-0 Formerly: part of 382A Indigenous Arts of the Northwest Coast: Introduction

An introduction to arts of the indigenous peoples of the Northwest Coast. Examines artistic expression from the earliest known art works to the present. Explores diversity in two-dimensional and three-dimensional styles; cultural contexts; relationships between artistic expression and environment; and spirituality.

Note: Credit will be granted for only one of 284, 382A (if taken prior to 1999).

HA 292 Units: 1.5 or 3.0 Hours: 3-0 Selected Themes in History in Art

An introduction to a selected theme or area of art-historical study that is not covered in other HA courses at this level. Content may vary from year to year.

Note: May be taken more than once for credit in different topics with permission of the Chair of the department.

HA 295 Units: 3.0 Hours: 3-1 Introduction to Film Studies

An investigation of film culture and its relationship to social and historical contexts. Focuses on mainstream narrative cinema; documentary and avant-garde practices will also be considered. Particular attention will be placed on analyses of films as forms of social communication. Involves a three hour lecture/screening and a one hour tutorial a week.

HA 312 Units: 1.5 Hours: 4-0 Feminism and Film

Examines representations of women and by women, in a variety of film forms (experimental, documentary, narrative) and within a range of historical periods. Emphasis will be placed on feminist theories of representation, visual pleasure, spectatorship and subjectivity and on analyses of key films.

Note: Preference to third- and fourth-year students.

HA 321 Units: 1.5 Hours: 3-0 Late Antique and Early Christian History in Art

An introductory survey of the art and architecture of the Mediterranean world from the origins of Christian art in the third century CE to the onset of Iconoclasm in the eighth century. In addition to a detailed examination of surviving monuments and art objects, an emphasis will be placed on the sources of Christian iconography and the relationship between art, theology and liturgy.

HA 323 Units: 1.5 Hours: 3-0 Byzantine History in Art

An introductory survey of the art and architecture of the Byzantine empire and its culturally dependent areas from the period of Iconoclasm through to the fall of Constantinople in 1453 and beyond. The emphasis will be on an examination of surviving monuments in Greece, Turkey, southern Italy, the Balkans and Russia.

HA 324 Units: 1.5 Hours: 3-0 Ancient and Medieval Jewish Art

An introductory survey of the visual and material culture of Judaism in Israel and among the communities of the Diaspora from the first century CE to the 16th century CE. Major topics of interest are: the architectural evolution of the synagogue; changing attitudes to the role of figural art in a religious context; the arts of the book; and the artistic interactions with the visual traditions of Christian and Muslim communities.

HA 326 Units: 1.5 Hours: 3-0 Early Medieval History in Art

An introductory survey of the arts and architecture of western Europe in the period c. 600-1150 CE. Topics to be considered will include Anglo-Saxon, Carolingian, Ottonian, and Romanesque history in art.

HA 328 Units: 1.5 Hours: 3-0 Gothic Art and Architecture

An introductory survey of the art and architecture of western Europe from the reconstruction of St. Denis c. 1140 to the beginnings of Renaissance art in Florence c. 1400. Focuses primarily on architecture in northern Europe and on painting in Italy, with a concentration on artists from the cities of Florence, Rome and Siena.

HA 330A Units: 1.5 Hours: 3-0 Formerly: part of 330 Early Arts of South Asia

A survey of the arts in South Asia from the Indus Valley Civilization to the 10th century. The development of Hindu and Buddhist art, architecture and patronage is examined in relation to their historical, philosophical and religious backgrounds. Selections from treatises on art and aesthetics are read in translation and basic issues in the study of Indian art in the West form part of the discussion.

Note: Credit will be granted for only one of 330A, 330. Normally to be offered in alternate years with 333 A, B.

HA 330B Units: 1.5 Hours: 3-0 Formerly: part of 330 Later Arts of South Asia

A survey of the arts of South Asia, including the Himalayan region and Tibet, from the eighth century up to the 20th. Emphasis will be on regional variations in

Buddhist and Hindu art, the introduction of new ideas, art forms and styles with the establishment of Islamic rule, and the role of colonialism and nationalism in the formation of the region's modern visual culture.

Note: Credit will be granted for only one of 330B, 330.

HA 332A Units: 1.5 Hours: 3-0 Bollywood Bound: Popular Visual Culture in India, 1950s to the Present

Through the media of photography and film, popular contemporary visual cultures of India are examined. Against a backdrop of Indian classical, folk, modern and contemporary, rural and urban art histories, select Bollywood films from the 1950s to the present are examined in class lectures, film screenings and readings. Styles featured range from historical, social realist and nationalist to stylized, idealist and moral narratives.

Note: Credit will be granted for only one of 332A, 337 (if taken in the same topic).

HA 332B Units: 1.5 Hours: 3-0 Bollywood Global: Popular Visual Culture in the Indian Diaspora, 1980s to the Present

An examination of popular visual culture of India from classical, modern and contemporary art-historical and cultural perspectives. Themes of gender, identity, postcoloniality and national/global dynamics are addressed through screenings of select Bollywood films from the 1980s to today. Films made in India alternate with films which move into diasporic spaces in the UK, Canada and USA.

Note: Credit will be granted for only one of 332B, 337 (if taken in the same topic).

HA 333A Units: 1.5 Hours: 3-0 Formerly: part of 333 Early Arts of Southeast Asia

A survey of the arts of Southeast Asia, starting with prehistoric and contemporary tribal/indigenous cultures, up to the arrival of Islam. Discussion will include the majority of countries in the region, with emphasis on Indonesia. Monumental and personal arts relating to Hindu, Buddhist and Primal religious communities will be discussed with attention to gender and historiography. Indigenous texts and film will be used as source materials and basis for discussion.

Note: Credit will be granted for only one of 333A, 333. Normally to be offered in alternate years with 330 A, B.

HA 333B Units: 1.5 Hours: 3-0 Formerly: part of 333 Later Arts of Southeast Asia

A survey of the arts of Southeast Asia, from the arrival of Islam through the colonial period and up through the 20th century. Local definitions of art, the role of the artist in society and issues of patronage will be discussed against a background of continuity and change. Indigenous texts and film will be used as source materials and basis for discussion.

Note: Credit will be granted for only one of 333B, 333.

HA 336 Units: 1.5 Hours: 3-0 Art and Architecture of Modern India

A study of Indian art and architecture since the arrival of Western powers and Western religions in the early 16th century to the present. Examines material relating to Christian missions, the British presence, the revivalist movement, and contemporary art.

HA 337 Units: 1.5 Hours: 3-0 Special Topics in Contemporary Asian Art

An examination of themes and issues in contemporary Asian art through case-studies in select national, regional and/or global contexts. Analyzes artists' careers, art institutions and art discourses, including the arrival of contemporary Asian art into western art historical consciousness.

Note: May be taken more than once for credit in different topics.

HA 338 Units: 1.5 Hours: 3-0
Special Topics in Premodern Asian Art

An examination of themes and issues in premodern Asian art through case-studies in specific regional and/or temporal contexts.

Topic: Popular Prints in China and Japan.

Note: May be taken more than once for credit in different topics.

HA 339 Units: 1.5 Hours: 3-0
The 16th Century in Europe

A thematic examination of selected aspects of the visual arts in 16th-century Europe.

Note: Credit will be granted for only one of 339, 341B.

HA 340A Units: 1.5 Hours: 3-0
Formerly: half of 441
The 15th Century in Northern Europe

A consideration of aspects of 15th century art and architecture in Northern Europe. Issues to be studied may include: the religious, social and political functions of art; patronage systems; materials and methods; function and setting; changes in style and taste.

Note: Credit will be granted for only one of 340A, 441.

HA 340B Units: 1.5 Hours: 3-0
Formerly: half of 441
Renaissance and Reformation in Northern Europe

A consideration of aspects of 16th-century art and architecture in Northern Europe. Issues to be studied may include: the impact of humanism in the North; artistic response to the Protestant Reformation; print culture; patronage questions; materials and methods; function and setting; changes in style and taste.

Note: Credit will be granted for only one of 340B, 441.

HA 341A Units: 1.5 Hours: 3-0
The 15th Century in Italy

The art and architecture of Italy during the Early Renaissance of the 15th century. Works of art and artists' careers will be examined within the context of themes such as: patronage; materials and methods; function and setting; and religious and intellectual climate.

Note: Credit will be granted for only one of 341A, 341.

HA 342A Units: 1.5 Hours: 3-0
The 17th Century in Italy

A consideration of aspects of 17th-century Italian art and architecture, particularly in Rome. The careers and works of individual artists will be related to topics such as: patterns of patronage; religious and political functions of art; changes in style and taste; critical attitudes.

Note: Credit will be granted for only one of 342A, 342.

HA 342B Units: 1.5 Hours: 3-0
The 17th Century in Northern Europe

A study of art in northern Europe, especially Holland and Flanders, during the 17th century. The emphasis will be on social, political and religious factors that influenced the functions and consumption of images.

Note: Credit will be granted for only one of 342B, 342.

HA 343A Units: 1.5 Hours: 3-0
The 18th Century in Italy

A study of developments in Italian art and architecture during the 18th century. Particular attention will be paid to Venice as an artistic centre, and the works of individual artists will be considered within contexts such as: the aims and effects of church, state and private patronage; foreign markets and influences; attitudes of art critics and collectors.

Note: Credit will be granted for only one of 343A, 343.

HA 343B Units: 1.5 Hours: 3-0
The 18th Century in Northern Europe

A consideration of art and architecture in northern Europe, especially France and Britain, during the 18th century. Emphasis will be placed upon examining works of art within the contexts of political ideologies, social roles, and theoretical debate.

Note: Credit will be granted for only one of 343B, 343.

HA 344 Units: 1.5 Hours: 3-0
Art Theory and Criticism in Early Modern Europe

A study of selected texts from the period c. 1480-1780, when a body of literature emerged in which the aims and evaluation criteria of the visual arts were systematically articulated and debated. Texts will be discussed in relationship to changing artistic practices, and to relevant aspects of European social and intellectual history.

HA 348 Units: 1.5 Hours: 3-0
Introduction to Islamic Archeology

An introduction to the archaeological investigation of the Islamic world. Covering a period from the seventh to the 19th century, the course employs case studies to examine urban life, religious identity, agriculture, trade and communications in the Middle East, North Africa, and the Iberian Peninsula.

HA 349 Units: 1.5 Hours: 3-0
Islam and the West: Artistic Contacts, 1500-1900

An examination of the different modes of artistic contact between the Islamic world and the West from the 16th to the end of the 19th century. The developing artistic dialogue will be examined in the context of the political and cultural history of this period. Traces the changing representations of the Islamic world in European painting and book illustration; the growth of Orientalist aesthetics in Europe; and the introduction of Western themes into the arts of Turkey, Syria, Iran and India.

HA 351A Units: 1.5 Hours: 3-0
Painting in Medieval Islam

A survey of painting in Islam from the 11th to the 15th century. Concentrates on the arts of the book.

HA 351B Units: 1.5 Hours: 3-0
Painting in Iran

A survey of painting in Iran from the 15th to the 19th century. The course concentrates on the arts of the book.

HA 352 Units: 1.5 Hours: 3-0
Formerly: half of 351
The Genesis of Islamic Art and Architecture

An examination of the background, origins, and evolution of early Islamic art and architecture from the seventh century rise of Islam to the end of the ninth century. Investigates the fundamentals of Islam as a faith, Islam's relationship to the pre-Islamic past and the theoretical problem of creating a new visual culture to serve a new religion and society.

Note: Credit will be granted for only one of 352, 351.

HA 354 Units: 1.5 Hours: 3-0
Formerly: half of 351
Medieval Islamic Art and Architecture

The high medieval art and architecture of Islam from the 10th century to the Mongol invasions of the mid-13th century. Focuses on the medieval ideal of Islamic unity and the historic fragmentation of Islam into different, often opposed, regional and cultural entities. Major themes will be the emergence of Turkish peoples as the dominant political rulers of the Near East and the impact of Latin and Byzantine Christianity on Islamic visual culture.

Note: Credit will be granted for only one of 354, 351.

HA 355 Units: 1.5 Hours: 3-0
The Art and Architecture of Ancient Egypt

A thorough survey of the art and architecture of Pharaonic Egypt from 3200 BCE to the beginning of the common era. Through the examination of artifacts, monuments, and texts, investigates the influence of social and religious thought upon Egyptian art.

HA 357 Units: 1.5 Hours: 3-0
Formerly: half of 353
Amirates and Sultanates of the Muslim Mediterranean

The art and architecture of Islam in the lands bordering the Mediterranean (Spain, North Africa, Egypt, Palestine, Syria and Turkey) from the mid-13th to the 20th century. Major areas of emphasis will be the Nasrid dynasty of Spain, the Mamluk dynasty of Egypt, and the Ottoman sultanate of Turkey. Particular attention will be paid to the art of calligraphy and to cross cultural connections between Islam and Western Europe and Byzantium.

Note: Credit will be granted for only one of 357, 353.

HA 358 Units: 1.5 Hours: 3-0
Formerly: half of 353
Islam and Asia

The art and architecture of the Muslim lands and peoples east of Mesopotamia (Iran, India, Central Asia and Southeast Asia) from the 13th to the 20th century. Beginning with the Mongol invasions of Iran in the mid-13th century, this course will focus on the classic Islamic culture of Iran and its diffusion into Central Asia and India. The arts of the illustrated manuscripts (particularly Persian and Mughal painting) will be a major emphasis.

Note: Credit will be granted for only one of 358, 353.

HA 359 Units: 1.5 Hours: 3-0
Islamic Art from the Mongol Conquests to the Dawn of the Modern Period

The art and architecture of the Central Islamic land in the period from the mid-13th century until the end of the 16th century. Major areas of emphasis will be Ilkhanid and Timurid dynasties in the Islamic East, the Mamluks in Egypt and Syria, the Nasrids in Spain, and the Ottomans in Turkey.

HA 362A Units: 1.5 Hours: 3-0
Modern Art in Europe and North America: 1900 to 1945

Beginning with a brief examination of the European avant-garde in the late 19th century, the course analyzes in depth such 20th century movements as Cubism, Expressionism, Futurism, Constructivism, Social Realism, and Surrealism. The European impact on modernist practices in America is also investigated.

HA 362B Units: 1.5 Hours: 3-0
Art in Europe and North America: 1945 to Today

An examination of directions taken in postwar art. Emphasis will be placed on the demise of the Modernist movement and the emergence of Postmodernism. Singled out for investigation will be such areas as Abstract Expressionism, Minimalism, Pop Art, conceptual and performance art, environmental art and photo-based practices.

HA 363 Units: 1.5 Hours: 3-0
The Cinema and Modern Art Movements

An examination of the history of film in relationship to the major art movements of the 20th century. Students will view and analyze films by such directors as Lang, Eisenstein, Bunuel, Brakhage, and Snow; these films will be discussed in the light of their connection to such influential modern art movements as German Expressionism, Russian Constructivism,

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Surrealism, Abstract Expressionism and Conceptual Art.

HA 364 Units: 1.5 Hours: 3-0 Documentary Film

An intensive study of film as document of time, place and action. Influence of social and artistic context will be considered. Attention will be largely directed to Canadian documentary films, a leader in this genre today. Films studied may include works by Flaherty, Grierson, Lorentz, Riefenstahl, Wiseman, National Film Board.

HA 365 Units: 1.5 Hours: 3-0 Experimental Film

Film as art. Investigates a wide variety of experimental forms and covers a range of historical periods and contexts. Emphasis will be placed on analyses of key films and on theories of films developed by both artists and critics. Particular attention will be paid to the Canadian experimental tradition.

Note: Preference given to third- and fourth-year students.

HA 367 Units: 1.5 Hours: 2-1 History in Cinema

Cinema as a product of time and place. Emphasis will be placed on the relationship between particular film movements and genres and their historical contexts and on theories about the role and function of film in society.

Note: Preference given to third- and fourth-year students.

HA 368A Units: 1.5 Hours: 3-0 Formerly: half of 368 History of Early Canadian Art

A history of the visual arts, especially painting and sculpture from 1759 to the early 20th century. The course will begin with a brief consideration of the background in 17th- and early 18th-century art, especially of Québec, and end with the rise of the Group of Seven and their contemporaries.

Note: Credit will be granted for only one of 368A, 368.

HA 368B Units: 1.5 Hours: 3-0 Formerly: half of 368 History of 20th Century Canadian Art

A history of the visual arts, especially painting and sculpture, from the end of World War I to the 1970s. Begins with the mature work of the Group of Seven and their contemporaries and ends with a treatment of the "postmodernist" reactions to international modernism in the late sixties and seventies.

Note: Credit will be granted for only one of 368B, 368. 368A is helpful preparation for this course but not a prerequisite.

HA 369 Units: 1.5 Hours: 3-0 History of Photography

An introductory survey of the history of photography from its invention in 1839 until the present. Topics to be addressed include the changing role of the photographer as scientist and artist, the relationship between photography and other visual arts, 19th-century travel photography, women photographers, and the various photographic processes which have been developed in the 150 year history of the medium.

HA 370 Units: 1.5 Hours: 3-0 Popular Film and Cultural Theory

A study of popular film and its social and political function. Special attention will be paid to mainstream films, especially Hollywood genre films, in the interest of exploring the ideological significance of popular film. An exploration of divergent views on the role of popular film within cultural theory will provide the context for the analysis of selected films.

Note: Credit will be granted for only one of 370, 392 (if taken in the same topic).

HA 371 Units: 1.5 Hours: 3-0 Early Chinese Art

An introductory survey of Chinese art from the Neolithic period through the Tang dynasty. Topics include the ritual vessels of the Bronze age, the impact of the Indian religion of Buddhism on Chinese arts, the rise of landscape painting, and the classic era of figure painting. Chinese histories and theories of the arts will be read in translation.

Note: Credit will be granted for only one of 371, PACI 371.

HA 372A Units: 1.5 Hours: 3-0 Later Chinese Art: Part I

An introductory survey of Chinese art covering the period of the Five Dynasties, Sung, and Yuan dynasties (10th-14th centuries). The emphasis is on the various ways the educated elite influenced the arts and key artistic traditions that inspired later artists and patrons.

Note: Credit will be granted for only one of 372A, 372, PACI 372. 371 is helpful preparation for this course but not a prerequisite.

HA 372B Units: 1.5 Hours: 3-0 Later Chinese Art: Part II

An introductory survey of Chinese art covering the late imperial and modern periods (15th-20th centuries). Topics include the role of the arts in an increasingly commercialized society prior to the communist revolution and the impact of state communism on modern Chinese art.

Note: Credit will be granted for only one of 372B, 372, PACI 372. 371 and 372A are useful preparation for this course but not a prerequisite.

HA 375A Units: 1.5 Hours: 3-0 Formerly: half of 375 Pre-Columbian Art

The art of central and southern Mexico and northern Central America before 1492. This culture area called Mesoamerica was characterized by high civilization.

Note: Credit will be granted for only one of 375A, 373, 375.

HA 375B Units: 1.5 Hours: 3-0 Formerly: half of 375 Pre-Columbian Art

The art of South America before 1492 in the Andean area characterized by high civilization.

Note: Credit will be granted for only one of 375B, 375.

HA 381A Units: 1.5 Hours: 3-0 Arts of the Pacific Northwest: 19th Century-1945

A survey of the arts of Alaska, British Columbia, Washington, and Oregon from the 19th century to 1945. Investigates the relationship between "art" and issues such as colonialism, travel and tourism, the potlatch, the prohibition of the potlatch, ethnography, immigration, moral improvement, the Great Depression and modernity.

HA 381B Units: 1.5 Hours: 3-0 Arts of the Pacific Northwest: 1945-Present

A thematic examination of the arts of the Pacific Northwest from 1945 to the present. Issues examined may include primitivism, the Northwest School, the Totemland Studio, modern architecture, public art, feminism, postmodernism, the Vancouver school of photography, commemorations of Japanese internment, environmentalism and indigeneity.

HA 382A Units: 1.5 Hours: 3-0 Native North American Arts

An introduction to arts of the indigenous peoples of the North American Arctic and Subarctic. Examines artistic expression from the earliest known art works to the present. Explores types and styles of artworks; cultural contexts; relationships between artistic expression and environment; spirituality, and responses of artists to contact with non-native peoples.

Note: Credit will be granted for only one of 382A, 382.

HA 382B Units: 1.5 Hours: 3-0 Native North American Arts

An introduction to arts of the indigenous peoples of the Southwest, California, and the Great Basin. Examines artistic expression from earliest known art works to the present. Explores types and styles of art works; cultural contexts; relationships between artistic expression and environment; spirituality; and responses of artists to contact with non-native peoples.

Note: Credit will be granted for only one of 382B, 382.

HA 382C Units: 1.5 Hours: 3-0 Native North American Arts

An introduction to arts of the indigenous peoples of the Plains, Plateau, Woodlands and Southeast. Examines artistic expression from earliest known art works to the present. Explores types and styles of art works; cultural contexts; relationships between artistic expression and environment; spirituality; and responses of artists to contact with non-native peoples.

Note: Credit will be granted for only one of 382C, 382.

HA 383 Units: 1.5 Hours: 3-0 Special Topics in North American Indigenous Arts

An in-depth investigation of a special aspect of, or area in, indigenous arts. Specific topics may vary from year to year.

Note: May be taken more than once for credit in different topics.

HA 384 Units: 1.5 Hours: 3-0 Arts of the Northwest Coast

Advanced-level study of indigenous arts of the Northwest Coast, focusing on artists' responses to historical developments from 1700-present. Topics include creative responses to early contact with non-native peoples; artistic developments in the 19th and 20th centuries; artists' responses to non-native attitudes and activities; and changes and continuities in artistic expression.

Prerequisites: 284, or 382A prior to 1999, or permission of the instructor.

HA 386 Units: 1.5 Hours: 3-0 Approaches to Collections Research

An intensive study of the nature of selected museum and gallery collections and the ways in which they contribute to knowledge. Approaches to researching aspects of museum collections will be highlighted through study visits and assignment work in local museums.

Note: May be taken more than once for credit, depending upon the instructor and emphasis, and with permission of the department.

HA 387A Units: 1.5 Hours: 3-0 Formerly: 387 European and North American Architecture, 1750 to 1900

A survey of key figures and movements in Western architecture from the beginnings of Neoclassicism to the appearance of radically novel forms of design in Europe before World War I.

Note: Credit will be granted for only one of 387A, 387. 223 would be helpful preparation for this course.



HA 387B Units: 1.5 Hours: 3-0
Formerly: 387
20th-Century Architecture in Europe and North America

A survey of key figures and movements in Western architecture between 1900 and today. The work of "modern masters" such as Wright, Le Corbusier, and Mies van der Rohe will be considered, along with that of more traditional architects culminating in the appearance of "postmodernism" in the 1970s.

Note: Credit will be granted for only one of 387B, 387.

HA 392 Units: 1.5 or 3.0 Hours: 3-0
Special Topics in History in Art

An investigation of a special aspect or area of History in Art. Specific topics may vary from year to year.

Note: May be taken more than once for credit in different topics with permission of the Chair of the department, to a maximum of 6 units.

HA 410 Units: 1.5 Hours: 3-0
Advanced Seminar in the History of Art History

A consideration of selected art-historical texts, with a view to understanding the changing factors that have shaped the aims and methods of art history.

Note: A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following: 340A, 340B, 341A, 341B, 342A, 342B, 343A, 343B, 344.

HA 411 Units: 1.5 Hours: 3-0
Advanced Seminar in World Histories of Art

An exploration of different cultural perspectives for conceptualizing artistic works and practices. Topics may include comparisons as well as examinations of specific intercultural and cross-cultural contacts.

Notes: - May be taken more than once for credit in different topics.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and at least 3 units of HA courses at the 300-level.

HA 412 Units: 1.5 Hours: 3-0
Advanced Seminar in Gender Issues in Art History and Art Criticism

An intensive study of selected art-historical texts which examine gender-related social, political or cultural issues in works of art and/or architecture by either men or women. For students interested in the history of art history, this course complements HA 410.

Note: A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 240, 260, 340A, 340B, 341A, 341B, 342A, 342B, 343A, 343B, 344.

HA 420 Units: 1.5, formerly 3 Hours: 3-0
Advanced Seminar in Medieval Art

An intensive study of a selected aspect of medieval art.

Notes: - May be taken more than once for credit in different topics.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 321, 323, 326, 328, HIST 236, or any third- or fourth-year course in MEDI.

HA 430 Units: 1.5 Hours: 3-0
Advanced Seminar in the Arts of South and/or Southeast Asia

An intensive study of a selected theme or area of the arts of South and/or Southeast Asia.

Notes: - May be taken more than once for credit in different topics.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 230, 330A, 330B, 333A, 333B, 337.

HA 445 Units: 1.5 Hours: 3-0
Advanced Seminar in Renaissance Art

An intensive study of a selected aspect of Renaissance art.

Notes: - May be taken more than once for credit in different topics.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 240, 340A, 340B, 341A, 341B, 344.

HA 447 Units: 1.5 Hours: 3-0
Advanced Seminar in Early Modern Art, c. 1500-1750

An intensive study of a selected aspect of Early Modern art.

Enrolment will be limited to permit seminar format.

Notes: - May be taken more than once for credit in different topics. Enrolment will be limited to permit seminar format.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 340A, 340B, 341A, 341B, 342A, 342B, 343A, 343B, 344, HIST 360, HIST 361, HIST 362.

HA 449 Units: 1.5 Hours: 3-0
Advanced Seminar: "Orientalism" in Art and Architecture

An intensive study of aspects of the European and North American encounter with the Islamic world in the period after 1700.

Note: A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 349, 352, 354, 357, 358, 359.

HA 450 Units: 1.5 Hours: 3-0
Advanced Seminar in Islamic Art and Civilization

An intensive study of some special aspect or area of Islamic civilization.

Notes: - May be taken more than once for credit in different topics.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 251, 321, 323, 352, 354, 357, 358, 359, HIST 455, MEDI 301, MEDI 302.

HA 451 Units: 1.5 Hours: 3-0
Advanced Seminar in the Arts of Mughal India

An intensive study of an aspect of the art and architecture of Mughal India from the 16th-19th century. Topics will vary.

Note: A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 349, 352, 354, 357, 358, 359.

HA 460 Units: 1.5 or 3.0 Hours: 3-0
Advanced Seminar in 19th- or 20th-Century Art

Intensive study of some aspect of artistic practice in the modern period. Geographic and cultural area, specific period, and choice of issue may vary depending on instructor.

Note: A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 336, 362A, 362B, 363, 368B, 369, 387A, 387B, 384.

HA 462 Units: 1.5 Hours: 3-0
Formerly: also HIST 462
Advanced Seminar in Art and Revolution

Examines the role of art in the major social and political revolutions of the 19th and 20th centuries.

Notes: - Credit will be granted for only one of 462, HIST 462.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 336, 362A, 362B, 363, 368B, 369, 387A, 387B, 384.

HA 463 Units: 1.5 or 3.0 Hours: 3-0
Advanced Seminar in Political Art

Studies in political art: art which directly refers to social and political issues, rather than the question of the social background and function of art in general. Topics covered may vary, depending on the instructor.

Note: A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 336, 362A, 362B, 363, 368B, 369, 387A, 387B, 384.

HA 464 Units: 1.5 Hours: 3-0
Advanced Seminar in Contemporary Art

An intensive examination of artistic practices (including but not necessarily limited to painting and sculpture) operating since World War II. Cultural area may vary depending on the instructor.

Note: A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 336, 362A, 362B, 363, 368B, 369, 387A, 387B, 384.

HA 465 Units: 1.5 Hours: 3-0
Advanced Seminar in 19th- and/or 20th-Century Architecture

An intensive study of a selected aspect of modern architecture (for example, the development of a particular building-type, the work of a certain architect or group of architects, the emergence of a certain theme or issue in architecture). Topics will vary.

Notes: - May be taken more than once for credit in different topics with permission of the department.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 387A, 387B, 223.

HA 468 Units: 1.5 Hours: 3-0
Advanced Seminar in Canadian Art

An intensive study of a selected aspect of Canadian art or architecture. Topics will vary.

Notes: - May be taken more than once for credit in different topics.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 368A, 368B, 268.

HA 470 Units: 1.5 Hours: 3-0
Advanced Seminar in East Asian Art

Intensive studies of special aspects of Chinese and/or Japanese art. Course content will vary.

Notes: - May be taken more than once for credit in different topics.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 270, 337, 338, 371, 372A, 372B, 471.

HA 471 Units: 1.5 Hours: 3-0
Advanced Seminar in the Arts of China

Topics will vary but will address such issues as the ways the relationship of humans to their natural environment have been represented in the arts; the roles of the arts in defining social status, gender relations, and political viewpoints; and interconnections of elite and popular arts.

Note: A combined undergraduate/graduate seminar.

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Prerequisites: Fourth-year standing and one of the following courses: 270, 337, 338, 371, 372A, 372B, 470.

HA 477 Units: 1.5 Hours: 3-0
Advanced Seminar in Film Studies

An intensive study of a selected topic in Film Studies. Content may vary each year.

Notes: - May be taken more than once for credit in different topics.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 312, 363, 364, 365, 366, 367.

HA 478 Units: 1.5 Hours: 3-0
Advanced Seminar in Popular Culture

A study of popular culture and the critical theories which have emerged to explain the relationships among commercial forms (such as mainstream film and television), the socio-historical context, and audiences.

Note: A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 312, 363, 364, 365, 366, 367.

HA 480 Units: 1.5 or 3.0 Hours: 3-0
Advanced Seminar in 20th-Century Native North American Arts

An intensive study of selected aspects of 20th-century Native North American arts. Artists, regions and styles discussed will vary.

Topic: TBA.

Notes: - May be taken more than once for credit in different topics.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 382A, 382B, 382C, 384, IS 372, EDCI 372, ANTH 322, ANTH 335, ANTH 336, ANTH 338.

HA 482 Units: 1.5 or 3.0 Hours: 3-0
Advanced Seminar in Indigenous Arts

An intensive study of a selected aspect of Native North American, Pre-Columbian, African or Oceanic arts, or a comparative examination of a theme pertinent to Indigenous arts from more than one culture area.

Notes: - May be taken more than once for credit in different topics.

- A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing and one of the following courses: 382A, 382B, 382C, 384, IS 372, EDCI 372, ANTH 322, ANTH 335, ANTH 336, ANTH 338.

HA 484 Units: 1.5 Hours: 3-0
Advanced Seminar in the Arts of the Pacific Northwest

An intensive study of a selected aspect of Pacific Northwest art. Content will vary from year to year. May be taken more than once with permission of the department.

Note: A combined undergraduate/graduate seminar.

Prerequisites: Fourth-year standing required.

HA 486 Units: 3.0 Hours: 3-0
Museum Principles and Practices

This distance education course examines changing roles and functions of museums in contemporary society. Topics include history of collections development, research and management; care of collections; relationships with communities; programming; exhibition development; museum organization, funding and management.

Note: Credit will be granted for only one of 486, 486A, 486B. Grading may be INP, final grade.

HA 486A Units: 1.5 Hours: 3-0
Museum Principles and Practices I: Communities, Curatorship, and Collections

Museums, their collections, and the knowledge they convey play a unique role in contemporary society. Explores the purpose and functions of museums with particular emphasis on relationships with communities and on the ways in which knowledge is created and preserved through collections and research. Topics include history and organization of museums and collections curatorship, research, documentation and care.

Note: Credit will be granted for only one of 486A, 486.

HA 486B Units: 1.5 Hours: 3-0
Museum Principles and Practices II: Programming, Exhibitions, and Management

Exhibitions and public programs are the primary means by which museums share their collections and knowledge with communities. Explores the role and development of exhibitions and programs, with particular emphasis on public partnerships, audience development, and principles of design, implementation and evaluation. When offered in the distance format, the course will also address topics in museum management.

Note: Credit will be granted for only one of 486B, 486.

HA 487 Units: 3.0 Hours: 3-0
Principles and Practices in Heritage Conservation

This distance education course examines principles and practices in the conservation of heritage areas, structures, landscapes, and related tangible and intangible heritage resources in urban, rural and museum contexts, with an emphasis on the ways in which heritage conservation activity is influenced by the values and needs of the community. Procedures for site examination, materials pathology, and site planning will be addressed.

Note: Credit will be granted for only one of 487, 487A, 487B. Grading may be INP, final grade.

HA 487A Units: 1.5 Hours: 3-0
Heritage Resource Management

An intensive study of the nature and value of heritage resources worldwide, and of management approaches that support their preservation and presentation. Topics include principles of heritage conservation, identification of heritage value and significance, inventory and documentation of heritage resources, organizational and legal frameworks for conservation, planning for conservation, approaches to revitalization and cultural tourism.

Note: Credit will be granted for only one of 487A, 487.

HA 487B Units: 1.5 Hours: 3-0
Heritage Resource Conservation

A detailed survey of the philosophical, ethical, and practical aspects of physical conservation as they apply to the management of heritage resources in the world today. Topics include principles and history of heritage conservation and the role of conservation in the management of heritage resources, levels of intervention including preservation, restoration, rehabilitation and reconstruction, and the conservation process.

Note: Credit will be granted for only one of 487B, 487.

HA 488 Units: 1.5 Hours: 3-0
Special Studies in Museology

A series of special topics courses in museum studies and management with the course number HA 488A through HA 488U are offered in either a distance education or on-campus immersion format.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488A Units: 1.5 Hours: 3-0
Managing Cultural Organizations

An intensive study of the application of management theory and practice in cultural organizations, with particular emphasis on: characteristics of non-profit cultural organizations; governance and leadership; establishing mission goals and objectives; roles of executive and artistic directors; policy development and implementation; personnel management and team building; financial management; strategic and operational planning; information management; public relations; marketing; volunteer development; and ethical and legal issues.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488B Units: 1.5 Hours: 3-0
Collections Management

An examination of the development and contemporary roles of museum collections, with an emphasis on the principles and practices involved in their management, including policy development, legal and ethical considerations, documentation and information management, acquisitions, accessioning, deaccessioning, loans, risk management, care and handling. Issues of ownership, access and collections planning will also be addressed. Content may address specialized collections areas.

Notes: - May be taken more than once for credit in different topics.

- Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488C Units: 1.5 Hours: 3-0
Communicating Through Exhibitions

An examination of the roles of the exhibition in the museum context and the importance of team work and consultation in exhibition development. Topics include the history, functions and purpose of exhibitions; the role of the artifact; frames of reference for communication; the development of storylines; methodologies for planning; the roles of the curator, educator, registrar, conservator, and other staff; project management; funding and sponsorship; temporary and travelling exhibitions; ethical considerations; and evaluation techniques.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488D Units: 1.5 Hours: 3-0
Caring for Museum Collections

An examination of the physical characteristics of museum collections, the ways they are affected by a range of factors in their physical and social environments, and the risk assessment, preventive conservation, and treatment guidelines that are utilized to ensure safekeeping of artifacts and specimens in storage, on exhibit, and in use for research or programming purposes. A specialized focus on a collections type may be taken.

Note: Depending upon the instructor and content focus, this course may be taken more than once.

HA 488G Units: 1.5 Hours: 3-0
Public Programming

Examines the fundamental role of education, interpretation and public programming in museums, galleries, heritage sites and related agencies, and emphasizes the importance of approaches which respond to community interests and reflect curatorial priorities. Planning, delivery, management and evaluation strategies for a range of programming approaches will be discussed.

Notes: - Depending upon the instructor and content focus, this course may be taken more than once.

- Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488H Units: 1.5 Hours: 3-0
Topics in Museum Studies

An intensive study of some special aspect or area of museum studies. Content may vary each year.

Notes: - May be taken more than once for credit depending on circumstances.

- Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488J Units: 1.5 Hours: 3-0
Curatorship

Examines the core curatorial concepts of collections planning, management, research, analysis, documentation, and exhibition development, and relates them to the evolving roles of museums in society. Topics include collections and acquisition policies, object oriented research methods, curatorial approaches to intangible heritage, documentation, information management, access, copyright, curatorial collaborations, and the communication of research through exhibitions, public programming, and print and electronic media.

Notes: - Depending upon the instructor and content focus, this course may be taken more than once.

- Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488K Units: 1.5 Hours: 3-0
Exhibition Design and Installation

An examination of the exhibition design process with a special focus on the design and museological elements which are considered in the creation of effective exhibitions. Topics include the roles of exhibitions; communicating with the visitor; roles of the object; conservation considerations; visitor flow; lighting; colour; storylines; project planning and management; temporary and travelling exhibits; showcase arrangements; production scheduling, installation, and maintenance. Field work, study visits, and the development of a scale model are featured.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488L Units: 1.5 Hours: 3-0
Cultural Management in Context

An intensive study of the current state of the arts and culture in Canada and the social, political and financial context in which cultural organizations are managed. Topics include the role of arts and culture in Canada; social, political and institutional frameworks; cultural policy and legislation; economic context and impact; funding, governance and leadership; organizational structures and management models; legal and ethical issues; and multicultural and First Nations issues.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488M Units: 1.5 Hours: 3-0
Topics in Cultural Management

An intensive study in some special aspect or area of cultural management. Content may vary each year.

Notes: - May be taken more than once for credit depending on circumstances.

- Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488N Units: 1.5 Hours: 3-0
Museum Information Management

Museums hold a wealth of diverse information that is increasingly recognized as a key institutional and community resource. Explores the dimensions, value, and potential uses of museum information, and focuses on strategic integration and management approaches that utilize computer and Web-based information systems to organize, process, and access information for collections management, curatorial, research, programming, and administrative purposes.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488P Units: 1.5 Hours: 3-0
Human Resource Management in Cultural Organizations

An intensive examination of the ways in which staff and volunteers are managed in cultural organizations, with particular emphasis on museum and heritage agencies, and stresses integrated, planned approaches to human resource development. Topics include organizational dynamics; leadership and decision-making; board/staff relations; policy development; position descriptions; recruitment; performance planning; communications; legal considerations; and ethics and professionalism.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488Q Units: 1.5 Hours: 3-0
Financial Management in Cultural Organizations

Examines the complex factors which affect the financial management and stability of cultural organizations, with particular emphasis on museums and heritage agencies. Topics include the changing funding environment; characteristics of non-profit agencies; strategic, operational and business planning; budgeting and accounting systems; forecasting; fundraising, grantsmanship and revenue development; managing capital projects; and legal and ethical considerations.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488R Units: 1.5 Hours: 3-0
Planning in Cultural Organizations

The central roles of planning in project development and/or organizational management and change are explored, along with a range of planning principles and methodologies suited to the museum, heritage, and cultural sectors. Content may address specialized aspects of planning.

Notes: - May be taken more than once for credit in different topics.

- Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488S Units: 1.5 Hours: 3-0
Building Community Relationships

Strong, sustained and mutually beneficial relationships with communities are critical to museums, heritage agencies and cultural organizations that seek relevant, positive and socially responsible roles in society. Explores the complex factors that are reshaping relationships with communities and addresses methods of defining community characteristics and needs; potential community roles and relationships with cultural organizations; and strategies for creating and maintaining relationships with diverse groups.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 488T Units: 1.5 Hours: 3-0
Leadership in Cultural Organizations

Explores the nature and attributes of successful cultural sector leaders and institutions and examines contemporary challenges and issues impacting leadership in the cultural sector. Topics include: analysis of institutional issues; assessment of personal leadership capacity; identification of personal goals to enhance leadership capabilities; development of strategies to enhance institutional leadership.

HA 488U Units: 1.5 Hours: 3-0
Managing Archival Collections

A focus on archival collections as components of museum collections requiring specialized organization, management and care. Topics include the value and nature of archival materials; theories, principles, and

practices governing archival management; legal, administrative, and professional frameworks; appraisal, acquisition, and accessioning; arrangement and description; physical processing and storage; preventive conservation; reference services and access; sharing archives and using them to enhance exhibits, education and outreach.

Notes: - Credit will be granted for only one of 488U, 488T.

- Subject to differential fees; consult Fees for Undergraduate Programs, page 42.

HA 489 Units: 1.5 Hours: 3-0
Special Studies in Heritage Conservation

A series of special topics courses in the conservation of architectural and other heritage resources with the course numbers HA 489A through HA 489L is offered in either an on-campus immersion format or by distance education.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 489A Units: 1.5 Hours: 3-0
Heritage Area Conservation

Topics in the conservation and rehabilitation of historic urban and rural areas. The historical, aesthetic, economic, social, and legal aspects of heritage area planning will be considered. Case histories and planning models will be discussed. An applied studies project normally will be assigned.

Notes: - Depending upon the instructor and content focus, this course may be taken more than once.

- Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 489C Units: 1.5 Hours: 3-0
Determining Significance of Heritage Resources

Definition of the heritage value or significance of a historic place or resource is a key step in the inventory and management of heritage resources. This course begins with an exploration of the range of historical, aesthetic, social and scientific values that establish the character-defining elements of historic resources, including buildings, structures, historic districts and cultural landscapes. Various methods of inventory and evaluation, from numerical scoring systems to systems that establish historical contexts or thematic studies, are discussed along with their roles in guiding subsequent conservation planning and decision-making.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 489D Units: 1.5 Hours: 3-0
Studies in Building Conservation

Theoretical and applied studies in the conservation of historic architecture. Course topics include site history, pathology, preservation and repair of selected materials (wood, masonry, brick, plasterwork, metalwork), chromochronology. Laboratory sessions on the examination and analysis of materials will be conducted.

Notes: - Depending on the instructor and content focus, and with permission of the department, this course may be taken more than once.

- Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 489E Units: 1.5 Hours: 3-0
Topics in Architectural Conservation

An intensive study of some special aspect or area of architectural conservation. Content may vary each year.

Notes: - May be taken more than once for credit depending on circumstances.

- Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 489F Units: 1.5 Hours: 3-0
The Fabric of Heritage Buildings

To preserve heritage buildings, it is necessary to understand the construction techniques and materials which give them their special character. Examines building styles and structural elements encountered in historic wood and masonry buildings, and the research, investigation and recording techniques used to plan, organize and document the conservation process. Approaches to preservation and adaptation, upgrading to contemporary building and seismic standards, and maintenance planning are covered. Case studies and field work are featured.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 489G Units: 1.5 Hours: 3-0
Cultural Landscapes

Culturally modified landscapes are important heritage resources, both in their own right and as a context for historic places. Explores the range and characteristics of cultural landscapes including gardens, parks, transportation corridors, and settlement and traditional use sites; and focuses on methods of 'reading landscapes' to determine significance and character defining elements; site examination, inventory and analysis; preservation and conservation strategies; preservation legislations, planning, easements, registration, and funding. Field work is featured.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 489H Units: 1.5 Hours: 3-0
Cultural Tourism

Visitors to museums and heritage organizations are seeking authentic, engaging and memorable experiences that foster an awareness of the history and culture of local communities. Explores the complex dynamics, benefits, and issues associated with cultural tourism and provides strategies to assess the opportunities and implications associated with tourism development and programming for cultural institutions.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 489J Units: 1.5 Hours: 3-0
Conserving Historic Structures

The steps involved in identifying and recommending strategies to conserve historic structures are addressed. Topics include the components, materials and systems of historic structures; factors causing deterioration; investigation and documentation techniques; approaches to conservation treatments; and project management strategies. Participants will have opportunities to focus on selected architectural materials and features.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 489K Units: 1.5
Conservation in Context

Addresses the complex range of principles and practices that influence heritage preservation and conservation planning and decision-making. The implications of international and national conservation charters, principles, standards and guidelines are discussed, along with legal, programmatic and financial incentives and constraints.

Note: Subject to differential fees; consult Fees for Undergraduate Programs, page 43.

HA 489L Units: 1.5 Hours: 3-0
Heritage Conservation Planning

Focuses on approaches to planning and heritage conservation decision-making, and discusses the components of the conservation planning process including community involvement and consultation, the acquisition and integration of technical information

and professional expertise, and the integration of conservation planning in the long-term management of heritage resources.

HA 490 Units: 1.5 or 3.0
Directed Studies

A course of directed readings and written assignments taken under the supervision of a faculty member. Approval must be granted by the Chair of the department.

Note: May be taken more than once in different areas, up to a total of 3 units. Normally available to History in Art major and honours students only. Pro Forma.

HA 491A Units: 1.5 or 3.0
Directed Studies in Cultural Resource Management

A course of directed readings and written assignments taken under the supervision of a faculty member. Approval must be granted by the Chair of the department.

Note: Normally available to Cultural Resource Management Program students only. Pro Forma.

Grading: May be INP; letter grade.

HA 491B Units: 3.0 Hours: 3-0
Internship in Cultural Resource Management

Available to students in the Diploma Program in Cultural Resource Management only.

Note: Credit will be granted for only one of 491B, 491.

Grading: INP, COM, N, F.

HA 492 Units: 1.5 or 3.0 Hours: 3-0
Advanced Studies in History in Art

An opportunity for highly qualified undergraduate students to take a graduate seminar in the department for undergraduate credit.

Note: Approval must be granted by the Chair of the department. May be taken more than once for credit in different topics to a maximum of 3 units. Normally available to History in Art major, honours, and diploma program students only. Pro Forma.

HA 493 Units: 1.5 Hours: 3-0
Advanced Seminar on the Williams Collection

An intensive study of selected aspects of the Williams Collection.

Note: A combined undergraduate/graduate seminar. Several classes may be taught at area museums and galleries. May be taken more than once with permission of the department.

Prerequisites: Fourth-year standing required for undergraduates.

HA 499 Units: 1.5, formerly 3 Hours: 3-0
Honours Seminar

Intended to instruct fourth-year honours students in problems and methodology of advanced research.

HDCC
Human Dimensions of Climate Change
Interdisciplinary
Faculty of Social Sciences

HDCC 200 Units: 1.5 Hours: 3-0
Introduction to Human Dimensions of Climate Change

An introduction to understanding and mitigating the impacts of climate change. After a basic introduction to the physical nature of climate change, the focus turns to impacts on humans in political, economic, sociological, and psychological terms, including possible mitigation and public policy strategies.

Prerequisites: GEOG 110 or EOS 110.

HDCC 400 Units: 1.5 Hours: 3-0
Seminar on Human Dimensions of Climate Change

Presentations by instructors, guest lecturers, and students will reinforce and extend knowledge of, and perspectives on, the impacts of climate change on humans. Strategies for mitigating the impacts are also considered.

Prerequisites: 200, ECON 383, GEOG 314, and 6 units of electives within the Minor, or permission of the instructor.

HINF

Health Information Science
School of Health Information Science
Faculty of Human and Social Development

HINF 130 Units: 1.5 Hours: 3-2
Introduction to Health Information Technology

Health information systems are comprised of computer programs generated using a variety of data manipulation and management techniques. Covers the general application of spreadsheets and databases to health information management. In addition, many specific health care applications such as medical graphics, multi-media medical information systems, acute care physiological signal processing, diagnostic expert system, design, community health information systems, health information networks, and bioinformatics will be addressed.

Note: Credit will be granted for only one of 130, 172.

HINF 140 Units: 1.5 Hours: 3-0
Formerly: 240
Introduction to the Canadian Health Care Systems

The business of health care is a significant portion of the gross national product of all industrialized countries and emerging nations. Policy development, administration and management are, consequently, critical activities in the efficient delivery of effective health care. Provides an examination of the principles of health care governance at the local, provincial, national and international levels. Focuses on the Canadian health care system but provides a comprehensive comparison of the Canadian system with that of the United States and Great Britain. Additionally, the course deals with emerging aspects of international health care policy development, administration and management.

Note: Credit will be granted for only one of 140, 240.

HINF 200 Units: 1.5 Hours: 3-2
Formerly: 300
Principles of Health Database Design

Addresses the issues facing a database designer in the development of database applications appropriate for health data of various kinds. Includes the elements of conceptual, implementation and physical database design to support health information systems.

Note: Credit will be granted for only one of 200, 300, CSC 370.

Corequisites: 172 or 130, CSC 110 and either MATH 151 or MATH 122.

HINF 201 Units: 1.5 Hours: 0-3
Formerly: 301
Database Management and Development for Health Care Systems

This lab course provides students with hands-on experience with SQL and a sophisticated, full-scale multi-platform database management system such as Oracle. Using a set of accompanying tools, students 1) explore the architecture of a database management system, 2) design a database, 3) implement

a database, 4) maintain and administer a database, and 5) develop prototypes of database applications. Students are able to transfer this experience to other database management systems on other platforms.

Note: Credit will be granted for only one of 201, 301.

Prerequisites: 200 or 300 or CSC 370, or permission of the department.

HINF 230 Units: 1.5 Hours: 3-0 **Organizational Behaviour and Change Management**

Techniques for the management of individual, group and intergroup behaviour in health care organizations. Topics include: decision making and problem solving, work groups, leadership, power and influence, labour relations, process engineering and risk management.

HINF 265 Units: 1.5 Hours: 3-2 **Health Care Delivery Organization**

An introduction to the ways in which health organizations are managed and financed to deliver health care. Topics include: organization theory, power and culture, division of labour, command and control in health care versus other industries, governance and integrated delivery system models.

Prerequisites: 140, 230.

HINF 280 Units: 1.5 Hours: 3-0 **Formerly: 180** **Biomedical Fundamentals**

Presents the principles of biochemistry, cell biology, organ physiology and selected examples of pathology in order to provide the fundamentals required for understanding in future studies. The study of the integrated functions of physiological systems is covered, with emphasis on the nervous, endocrine, muscular, cardiovascular and respiratory systems. Emerging topics in health informatics including bioinformatics are discussed.

Note: Credit will be granted for only one of 280, 180.

Prerequisites: Biology 12 or one of EPHE 141, PE 141, BIOC 102, BIOL 150A or B, or BIOL 190A.

HINF 310 Units: 1.5 Hours: 3-2 **Electronic Records and Decision Support Systems**

A critical analysis of the automation of clinical data acquisition, processing and storage in health care settings. Topics include: electronic health records, departmental systems (e.g., lab, pharmacy, intensive care,) PACS, computerized physician order entry (CPOE), clinical data repositories, health plans, personal health records and data warehouses.

Prerequisites: 200.

HINF 320 Units: 1.5 Hours: 3-2 **Project Management**

Introduction to the essentials of health project management and the project life cycle in health care. Topics include: project charter, network diagramming, scope management, stakeholder identification, cost management, scheduling and schedule management.

Prerequisites: 230.

HINF 330 Units: 1.5 Hours: 3-0 **Legal Issues in Health Informatics**

Introduces students to legal aspects of their profession, including aspects of confidentiality, privacy, legal liability of software systems and contractual issues. Students will gain an appreciation for legal terminology, reasoning, and processes as well as basic principles of law which apply to and govern health systems in Canada.

Note: Credit will be granted for only one of 330, NURS 487.

HINF 335 Units: 1.5 Hours: 3-0 **Health Information Standards**

A study of health information standards being deployed and used in Canada and elsewhere. The standards to be examined include data, messaging and terminology standards such as meta-data schemas, HL7v2.X, HL7v3, HL7-CDA, CCR, CCD, DICOM, ICD10, LOINC, SNOMED CT, archetypes and nursing terminologies. Topics include the nature of standards, their historical evolution and lifecycles for standards from initial development, distribution to maintenance. Emphasis will be on practical knowledge and skills in how to work with standards.

Prerequisites: 130 or 172 and 280.

HINF 345 Units: 1.5 Hours: 3-2 **Formerly: 445** **Networks, Interoperability and Systems Security**

A management perspective to data communications technology, networks, and distributed processing. Emphasis is on examining the impact of emerging communications technology on health information systems in varying sectors of the health care delivery system. Topics also include: telehealth, home health care monitoring and pervasive computing in health-care.

Note: Credit will be granted for only one of 345, 445.

Prerequisites: 201.

HINF 350 Units: 1.5 Hours: 3-0 **Human Aspects of Healthcare Information Systems**

Human aspects of health informatics. Includes discussion of the use of technology to support clinical decision making and decrease the incidence of errors in healthcare. Topics include: information retrieval and cognitive processes, decision making and reasoning, human-computer interaction and usability engineering, patient safety and error reduction, evidence-based medicine and workflow analysis.

Corequisites: 130.

HINF 351 Units: 1.5 Hours: 3-0 **Formerly: 451** **Information Technology Procurement**

The methodologies and processes used to select Information Technology (IT) will be investigated, primarily as they apply to Regional Health Authorities (RHA). The primary goal is to appreciate the dynamics and compromises that take place, particularly when a RHA procures IT to support patient care. Students will be encouraged to think from a clinical point of view, as opposed to taking a more technical perspective.

Note: Credit will be granted for only one of 351, 451.

Prerequisites: 320.

HINF 371 Units: 1.5 Hours: 3-0 **Clinical Methodologies**

The process of clinical decision making in diagnosis, treatment, planning and prognosis will be covered. Topics include: alternate models for clinical decision making using subjective and objective data and information, case based reasoning, and the role of clinical practice guidelines.

Note: Credit will be granted for only one of 371, 270.

Prerequisites: 280.

HINF 381 Units: 1.5 Hours: 3-2 **Epidemiology, Population Health and Public Health**

An introduction to the principles and methods of epidemiology particularly as they apply to population health. Topics include: measurements of disease occurrence, study designs (cohort, case-control, randomized clinical trials), surveillance systems of infec-

tious diseases, population health, health promotion and disease prevention issues.

Note: Credit will be granted for only one of 381, 380.

Prerequisites: 1.5 units of Statistics.

HINF 410 Units: 1.5 Hours: 3-0 **Information Management and Technology**

Critically examines the application of state-of-the-art IM&T principles and methods in the private sector and the degree to which they apply to Canadian health care organizations. Identifies the issues which Chief Information Officers face in their attempts to provide the right information to the right people, at the right time, and for the right price.

Prerequisites: 310, 351.

HINF 420 Units: 1.5 Hours: 3-0 **Societal Implications of Information Technology**

This readings-based course relies primarily on group work and seminars, during which the societal implications of computer-based information technologies (IT) will be discussed. The goal of this course is to allow HINF students (as future IT professionals) to achieve a balanced understanding of how IT affects the human condition - as seen from individual, regional and global perspectives. Only open to fourth-year HINF students.

Prerequisites: 320, 310, 371 and completion of two work terms.

HINF 450 Units: 1.5 Hours: 3-2 **Health Information System Design**

Provides thorough coverage of the specific requirements of the development of contemporary and future information systems in health care. Covers the technical principles underlying such systems. Knowledge and skills required for the design, implementation, maintenance and replacement of complex information systems in health care are developed in lectures and exercises including contemporary computer-based aids.

Prerequisites: 200, CSC 375.

HINF 461 Units: 1.5 Hours: 3-0 **System Evaluation and Quality Improvement**

Examination of key concepts, methods, and approaches in the field of evaluation. Topics include: formative and summative evaluation, quantitative and qualitative methods, developing performance metrics, total quality management (TQM), core principles of clinical quality improvement (CQI), balanced scorecards and dashboards.

Note: Credit will be granted for only one of 461, 460.

Prerequisites: 381.

HINF 470 Units: 1.5 Hours: 3-0 **Trends in Health Informatics**

Exposes students to the changing role of the consumer and in particular their increasing use of Internet technologies. Topics include: consumer empowerment and consumer health informatics, efficacy of medical information available from websites, changing the relationship between consumers and providers, and ergonomics.

HINF 490 Units: 1.5 or 3.0 **Directed Study**

Students wishing to pursue a course of directed readings or of a directed project should consult with a faculty member willing to supervise such a course, formulate a proposal describing both the content of the course and a suitable means of evaluating the student's work. The proposal must then receive the approval of the Director.

Note: May be taken more than once for credit in different topics, normally to a maximum of 3 units.

320 COURSE LISTINGS

HINF 491 Units: 1.5 or 3.0 Hours: 3-0 or 6-0 **Topics in Health Informatics**

Advanced topics in various areas of health informatics. Information on the topics available in any given year will be available from the Director. Entry to this course will be restricted to third- and fourth-year students who meet the prerequisite specified for the topic to be offered.

Note: May be taken more than once for credit in different topics.

HIST

History

Department of History
Faculty of Humanities

Introductory Courses

HIST 105 Units: 3.0 Hours: 3-0

Formerly: 242

Introduction to 20th-Century World History

A broad interpretive survey of the major forces that have shaped the contemporary world from the end of World War I to the present. Particular emphasis is placed on the global spread of Western ideas and institutions, on the rise of the Third World, and on growing interdependence among nations. A lecture course with audio-visual presentations and optional discussion sections.

Note: Credit will be granted for only one of 105, 242.

HIST 110 Units: 3.0 Hours: 3-0

Formerly: 210

History of the United States

A survey of the history of the United States of America from the colonial period to the present.

Notes: - Credit will be granted for only one of 110, 210.

- Not open to students registered in or with credit in 301 or 304.

- Strongly recommended to students wishing to take advanced courses in American history.

HIST 120 Units: 3.0 Hours: 3-0

Formerly: 220

History of England

A survey of British history since the Norman Conquest.

Notes: - Credit will be granted for only one of 120, 220.

- Strongly recommended for students wishing to take advanced courses in British history.

HIST 130 Units: 3.0 Hours: 3-0

Formerly: 230

History of Canada

A survey of Canadian development from the beginning of the French regime to the present.

Notes: - Credit will be granted for only one of 130, 131, 132, 230, 231, 232.

- Strongly recommended to students wishing to take advanced courses in Canadian history.

HIST 131 Units: 1.5 Hours: 3-0

Formerly: 231

History of Canada to 1867

An introductory history of Canada from early settlement to Confederation.

Note: Credit will be granted for only one of 131, 130, 230, 231.

HIST 132 Units: 1.5 Hours: 3-0

Formerly: 232

History of Canada since 1867

An introductory history of Canada since Confederation.

Note: Credit will be granted for only one of 132, 130, 230, 232.

HIST 140 Units: 3.0 Hours: 3-0

Formerly: 240

History of Modern Europe

A survey of European history since the Renaissance. Lectures will focus on political, intellectual, cultural and social aspects of European society and the modern state as it emerges in the contemporary world.

Note: Credit will be granted for only one of 140, 240.

HIST 198 Units: 1.5 Hours: 3-0

Formerly: 240

Discovering the Past

An introduction to topics and themes in history.

HIST 201 Units: 1.5 Hours: 3-0

Formerly: 240

Studying the Past

An introduction to how and why historians undertake the study of the past. Specific topics include bibliographic methods, online searches, analytical methods, effective writing and the relation between sources, approaches and conclusions.

HIST 206 Units: 1.5 Hours: 3-0

Age of Encounter in the Atlantic World, 1492-1700

A survey of the earliest encounters of Europeans and American peoples and the formation of societies in a new Atlantic World. Topics include demographic changes brought by epidemic diseases, patterns of conquest and accommodation among explorers and diverse Amerindian cultures, and the exchange of goods, ideas and peoples across the Western hemisphere.

Note: Credit will be granted for only one of 206, 265 (if taken in the same topic).

HIST 236 Units: 3.0 Hours: 3-0

Formerly: 240

Medieval Europe

Survey of the middle ages in western Europe from about 300 to 1500 CE, tracing not only the general political, social, and religious history of the West, but also concurrent developments in art, learning, literature, and law.

Note: Strongly recommended for students wishing to take advanced courses in Medieval history.

HIST 245 Units: 1.5 Hours: 3-0

Formerly: 240

The Second World War

A general survey of the military, diplomatic, economic, social and political aspects of this global conflict. The causes and ramifications of the war will also be considered.

Note: Not open to students registered in or with credit in 392. Strongly recommended for students wishing to take advanced courses in military history.

HIST 253 Units: 1.5 Hours: 3-0

Formerly: half of 252

Introduction to Chinese Civilization Before 1840

An introduction to the political, intellectual and socio-economic history of Chinese civilization from its beginning until its full-scale contacts with Western culture around 1840. Topics include Chinese philosophies and religions, imperial institutions and traditions, elite and popular classes, as well as art, science and technology.

Note: Credit will be granted for only one of 253, 252, PACI 253.

HIST 254 Units: 1.5 Hours: 3-0

Formerly: 252

Introduction to Chinese History Since 1840

A survey of Chinese history with an emphasis on China's relations to the West from 1840 to 2000. Topics include China's responses to Western challenges and early modernization, its Republican, Nationalist, and Communist revolutions, and its recent reforms and rise as a global power.

Note: Credit will be granted for only one of 254, PACI 254.

HIST 255 Units: 1.5 Hours: 3-0

Formerly: half of 252

The Origins of Modern Japan

Examines Japan's transition from bureaucratic feudalism to capitalism in the 19th century. Includes a survey of ancient and medieval society as background and then delves into the transition to capitalism, the civil wars of the 1850s, the arrival of colonial powers, the popular rights movement, and the development of the modern state.

Note: Credit will be granted for only one of 255, 252, PACI 255.

HIST 256 Units: 1.5 Hours: 3-0

Formerly: 252

Japan in the 20th Century

Examines Japan's political evolution in the 20th century including the emergence of liberal democratic trends, the triumph of militarism and corporatism in the 1930s, the 15 years war, the Occupation of Japan, and Japan's postwar development including aspects of both social and economic history.

Note: Credit will be granted for only one of 256, PACI 256.

HIST 259 Units: 1.5 Hours: 3-0

Formerly: 252

Introduction to African History

All geographical regions will be surveyed, with an emphasis on the pre-colonial, colonial and post-colonial eras.

Note: Credit will be granted for only one of 259, 468 (if taken in the same topic).

HIST 260 Units: 1.5 Hours: 3-0

Formerly: 252

History of Science

A general survey of some of the major developments of Western science from antiquity to the early 20th century. Topics to be explored include: the relations between science and religion; the social foundations of scientific activity; the philosophical assumptions of scientific practice.

Note: No scientific background is required.

HIST 261 Units: 1.5 Hours: 3-0

Formerly: 252

History of Technology

A general survey of the consequences of technological change on society since the beginning of the Industrial Revolution. Topics include: transportation, communications, military, industrial and domestic technology.

HIST 262 Units: 1.5 Hours: 3-0

Technology and Society from the Renaissance to the Industrial Revolution

A general survey of technological change and its social impact. Topics include rural and urban life, food production and preservation, early manufacturing and trades, hygiene and medical knowledge, science and society, printing and communications, transportation and early engineering, the military revolution, mining and industry, material culture and the birth of consumerism.

HIST 263 Units: 1.5 Hours: 3-0

Formerly: 252

Disease, Medicine and Society, 1500-present

Surveys Western medicine from the Renaissance to the present and social responses to major diseases. Topics include the evolution of medical professions,

key developments in technology and theory and trends in public health.

Note: Credit will be granted for only one of 263, 265 (if taken in the same topic).

HIST 264 Units: 1.5 Hours: 3-0
Epidemic Disease in the Modern History of the West

Examines epidemics (plague, smallpox, influenza, polio, AIDS) and their impact on medicine, society and culture over the past 150 years.

Notes: - Credit will be granted for only one of 264, 265 (if taken in the same topic).

- No prior background in science is required.

HIST 265 Units: 1.5 or 3.0 Hours: 3-0
Special Topics in History

An introduction to selected problems in history. The specific topics vary from year to year.

Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 270 Units: 1.5 Hours: 3-0
The Colonial Experience in Latin America to 1808

Explores the construction of Latin America from the arrival of Columbus in 1492 until Napoleon I's invasion of Portugal and Spain in 1807-08. Topics include the contribution of Indigenous, European, African and Asian cultures to the evolution of Latin American identities, the fall of the Inka and Aztec states, the evolution of the "plantation complex", and how Catholicism, witchcraft, the commercialization of alcohol and the determination of reformers changed Latin America.

Note: Credit will be granted for only one of 270, 265 (if taken in the same topic).

HIST 271 Units: 1.5 Hours: 3-0
The National Experience in Latin America since 1808

Considers how Latin Americans have struggled to create stable polities since the Wars of Independence of the early 19th century. Explores anticlericalism, banditry, antislavery, racism and the assault on communal institutions, as well as the influence of key Latin American artists such as Frida Kahlo, revolutionaries such as Emiliano Zapata and "Pancho" Villa, guerrillas such as Fidel Castro and "Che" Guevara and populists such as Getulio Vargas and Eva Peron.

Note: Credit will be granted for only one of 271, 265 (if taken in the same topic).

Advanced Courses: American

HIST 301A Units: 1.5 Hours: 3-0
Formerly: part of 301
Revolutionary America and the Early Republic

Examines politics, gender, race, class and culture in the United States from 1763 to 1815 to assess how democratic the American Revolution was.

Notes: - Credit will be granted for only one of 301A, 301.

- Open to students with credit in 110.

HIST 301B Units: 1.5 Hours: 3-0
Formerly: part of 301
Antebellum America and the Civil War

Traces the simultaneous expansion and clash of slavery and democracy in the United States from 1815 to 1865 to examine the origins of modern America.

Notes: - Credit will be granted for only one of 301B, 301.

- Open to students with credit in 110.

HIST 304A Units: 1.5 Hours: 3-0
Formerly: part of 304

The United States in the 20th Century: 1890-1945

An intensive exploration of American history from the late 1890s to the end of the Second World War. Major themes will include industrialism and corporate power, immigration, urbanization, race relations, liberal reform and the rise to global power.

Notes: - Credit will be granted for only one of 304A, 304.

- Open to students with credit in 110.

HIST 304B Units: 1.5 Hours: 3-0
Formerly: part of 304

The United States in the 20th Century: 1945-Present

A rigorous study of US history from 1945 to the present. Major themes will include Cold War culture and diplomacy, the Civil Rights movement, Vietnam War and the counter culture, the rise of the New Right and post-Cold War foreign relations.

Notes: - Credit will be granted for only one of 304B, 304.

- Open to students with credit in 110.

HIST 310 Units: 3.0 Hours: 3-0
The American West

The frontier in American history, the Trans-Mississippi West with emphasis on the Far West.

HIST 315A Units: 1.5 Hours: 3-0
Formerly: part of 315
US Foreign Relations, 1750-1914

Examines the domestic origins and international impact of US foreign relations from the late colonial era to the eve of the First World War. Major themes will include American exceptionalism, commercial and territorial expansion and imperialism. The role of technological change, race and gender ideologies will also be considered.

HIST 315B Units: 1.5 Hours: 3-0
Formerly: part of 315

US Foreign Relations, 1914 to the Present

Explores the domestic roots and global impact of US foreign relations from the First World War to the present. Major themes will include economic expansion, decolonization and globalization. Special emphasis will be given to the World Wars and the Cold War. The role of technological change, race and gender ideologies will also be considered.

Note: Credit will be granted for only one of 315B, 315.

HIST 316 Units: 1.5 Hours: 3-0
The American Experience in Vietnam

A detailed examination of the causes, course, and consequences of American involvement in Vietnam from 1941 to 1975.

Note: Credit will be granted for only one of 316, 318 (if taken in the same topic).

HIST 317 Units: 1.5 Hours: 3-0
Social History of the Automobile

Examines the industrial and social changes that made America the world's leading producer and consumer of cars; the auto's impact on work, urban space, environment, gender, technology and foreign policy.

Note: Credit will be granted for only one of 317, 318 (if taken in the same topic).

HIST 318 Units: 1.5 or 3.0 Hours: 3-0
Topics in American History

An intensive study of selected aspects of American history. Students are advised to consult the department for an outline of the topics to be considered.

Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 319 Units: 1.5 or 3.0 Hours: 3-0
Seminar in American History

Selected topics in American history.

Note: May be taken more than once for credit in different topics with permission of the Chair.

Advanced Courses: British

HIST 320 Units: 1.5 or 3.0 Hours: 3-0
Seminar in Medieval England

A detailed examination of themes and issues in the history of Medieval England.

Notes: - May be taken more than once for credit in different topics with permission of the Chair.

- 236 strongly recommended.

HIST 320A Units: 1.5 or 3.0 Hours: 3-0
Crime and Criminality in Medieval England

A seminar investigating criminal activity and the responses of communities and authorities.

Note: Credit will be granted for only one of 320A, 320 (if taken in the same topic). 236 strongly recommended.

HIST 321 Units: 1.5 Hours: 3-0
Tudor-Stuart England

A study of some of the major themes of historical research into the social, cultural, religious and political experiences of English men and women from the Tudor period to the Glorious Revolution of 1688, including the Tudor and Stuart monarchy, the English Civil War, religious beliefs and persecution, gender and popular culture.

HIST 324A Units: 1.5 Hours: 3-0
Formerly: part of 324
Britain's Rise to World Power (1689-1837)

The political culture of Britain during the era in which it rose to global ascendancy. Topics include the Glorious Revolution (1688-1689), the origins of British military and financial power, the rise of overseas empire, the emergence of cabinet and parliamentary government, the impact of the American and French Revolutions, the "Great War" with France (1793-1815), and the "age of reform" that preceded the accession of Queen Victoria.

Notes: - Credit will be granted for only one of 324A, 322, 323, 324.

- 120 recommended.

HIST 324B Units: 1.5 Hours: 3-0
Formerly: part of 324

English Society in the Era of Defoe, Fielding, Austen and Dickens, 1689-1837

The society and culture of England during the era in which it achieved political domination of the British Isles and became a global superpower. Topics include: aristocratic society; the growing influence of the mercantile and middle classes; the development of urban, commercial and industrial society; changing roles of women and children; the impact of the French and Industrial Revolutions amongst working people; the emergence of the "Victorian" world.

Notes: - Credit will be granted for only one of 324B, 322, 323, 324.

- 120 and 324A recommended.

HIST 325 Units: 3.0 Hours: 3-0
Britain, 1815-1914

Great Britain, industry and empire; an intensive study of British history during the 19th century.

Note: 120 recommended.

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HIST 327 Units: 3.0 Hours: 3-0 20th-Century Britain

An examination of the major themes in the history of 20th-century Britain, such as the collapse of imperial power, the development of closer relations with the European continent, and the social, cultural, and political tensions created by an era of rapid change and economic decline.

Note: 120 recommended.

HIST 328A Units: 1.5 Hours: 3-0 Formerly: part of 328

Death and the Afterlife in England, 1200-1750

Examines death and attitudes toward the afterlife and the supernatural from the late Middle Ages to the beginning of the modern era. Themes include the late-medieval *ars moriendi* and ghost stories; martyrdom of Protestants and Catholics under "Bloody Mary" and Elizabeth I; murder; attitudes toward providence and the supernatural; crime and public execution in 17th- and 18th-century London; the rise of "rational religion" and the "secularization of suicide".

Note: Credit will be granted for only one of 328A, 328, 120 or 321 recommended.

HIST 328B Units: 1.5 Hours: 3-0 Formerly: part of 328

Death and the Afterlife in England, 1750 to the Present

Examines death and attitudes toward the afterlife and the supernatural. Themes include popular and elite attitudes toward death and dissection; grief and mourning in Victorian England; the emergence of the modern cemetery and the rise of cremation; spiritualism, the First World War and the role of modern media in shaping responses to the death of celebrities.

Note: Credit will be granted for only one of 328B, 328, 120 or 321 recommended.

HIST 329 Units: 1.5 Hours: 3-0 Power and Popular Culture in England, 1300-1900

Explores the ways in which authority was exercised, legitimated and/or resisted from the 14th through the 19th centuries with topics ranging from the late medieval outlaw Robin Hood and early modern cross-dressing pirates and "highwaywomen" to industrial saboteurs such as the Luddites. Emphasis is on class, gender, and popular politics and protest, seeking to reconstruct the mental world of ordinary Englishmen and women who left no written record of their lives.

Note: Credit will be granted for only one of 329, 339 (if taken as section S01 of 2004W or 2005W).

HIST 330 Units: 1.5 Hours: 3-0 The Bloody Code: Crime in England, 1660-1800

Deals with crime, society and the administration of criminal justice in early modern England. Themes include the political and social backdrop to the "Bloody Code" and contemporary views of criminality, gender and class. Charts the emergence of modern criminal administration - policing, prosecution, trial and punishment - with particular attention to the interrelationship between the law and its social context.

Note: Credit will be granted for only one of 330, 339 (if taken as section F01 of 2005W).

HIST 338 Units: 1.5 or 3.0 Hours: 3-0 Seminar in British History

Selected topics in British history.

Notes: - Enrolment limited. Priority in registration given to honours and major students in history, but others may be admitted with permission of the department.

- Students are advised to consult the department about the topics to be considered. May be taken more than once for credit in different topics with permission of the Chair. 120 recommended.

HIST 339 Units: 1.5 or 3.0 Hours: 3-0 Topics in British History

An intensive study of selected aspects of British History. Students are advised to consult the department for an outline of the topics to be considered.

Note: May be taken more than once for credit in different topics with permission of the department. 120 recommended.

Advanced Courses: Canadian

HIST 341 Units: 1.5 or 3.0 Hours: 3-0 Formerly: 482

Historians and the Computer: Theory and Techniques of Social Science History

The course has two main goals: to help students understand and assess research based on quantitative analysis, and to help students gain firsthand experience in the use of computers in Canadian historical research. Students will carry out their own quantitative research project.

Note: Credit will be granted for only one of 341, 482.

HIST 342 Units: 3.0 Hours: 3-0 British North America, Conquest to Confederation

A combination of lectures and seminars examining the development of the economy, society, and culture of the area comprising present day Ontario, Québec, and the Maritimes. Particular emphasis will be placed upon the emergence of distinct social and cultural entities in each of these areas.

HIST 343A Units: 1.5 Hours: 3-0 Formerly: part of 343

Labouring Lives: Work and Workers in Canada to 1907

Examines how people made a living in the past, exploring patterns of work in farming, fishing, the fur trade, canal building, crafts and factories. Topics include family and work, gender and work, working-class culture, trade unions, labour politics and the emerging industrial relations system to 1907.

Notes: - Credit will be granted for only one of 343A, 343.

- Prerequisite for 343B.

HIST 343B Units: 1.5 Hours: 3-0 Formerly: part of 343

Labouring Lives: Work and Workers in Canada since 1907

Explores workplace relationships, workers and their families, labour politics and workers' organizations from 1907 to the present, focusing on factory work, the labour revolt of 1919, the depression of the 1930s, the industrial relations system, changes in work and occupations in the 20th century, labour and the state, gender and work, and the labour movement.

Note: Credit will be granted for only one of 343B, 343.

Prerequisites: 343A or permission of the Chair.

HIST 344 Units: 3.0 Hours: 3-0 Political History of Canada Since Confederation

A study of recurring themes and problems in Canadian history including national policies, French-English tensions, federal-provincial conflicts, and external relations. Attention will be given to the social and economic background of these problems as well as their political manifestations.

HIST 345 Units: 1.5 Hours: 3-0 Canadian-American Relations

An exploration of selected issues in the economic, cultural, political, and diplomatic aspects of Canadian-American relations.

HIST 354A Units: 1.5 Hours: 3-0 Northwest America to 1849

Surveys early history and literature of the region west of the Rocky Mountains and north of California prior to the establishment of the colony of Vancouver Island in 1849. Topics include maritime and overland exploration, European rivalries and claims, the development of the maritime and overland fur trade, and Indian-white relations.

HIST 354B Units: 1.5 Hours: 3-0 British Columbia, 1849-1900

A study of the foundations of modern British Columbia, beginning with the founding of the colony of Vancouver Island to the emergence of provincial political parties about the end of the 19th century; topics to be considered will include the colonies of Vancouver Island and British Columbia, the gold rush, settlement patterns, the origins of institutional life, Indian policy and Indian-white relations, and early federal-provincial relations.

Note: 130, or 131 and 132, or 354A strongly recommended.

HIST 354C Units: 1.5 Hours: 3-0 Environmental History of British Columbia

Examines the cultural, social and political interactions between humans and the environment in British Columbia from the pre-contact period to the present.

Note: Credit will be granted for only one of 354C, 358 (if taken in the same topic).

HIST 354D Units: 1.5 Hours: 3-0 Cultural Encounters on the Northwest Coast, 1880-1940

Examines the early anthropological quest to document the cultures and languages of the Indigenous Peoples of the North Pacific Coast through artifacts, texts, photographs and museum exhibits.

Notes: - Credit will be granted for only one of 354D, 358 (if taken as "Observers Observed").

- 130, or 131 and 132, or 354A strongly recommended.

HIST 355 Units: 3.0, formerly 1.5 Hours: 3-0 British Columbia Since 1885

The emphasis will be on social, economic, and political developments within the province. Written assignments will be required.

HIST 357A Units: 1.5 Hours: 3-0 Seminar in Canadian Defence Policy

A study of selected aspects of Canadian defence policy since 1867. Emphasis on the military policies and strategic role of Canada in the 20th century.

Note: 130 or 132 strongly recommended.

HIST 357B Units: 1.5 Hours: 3-0 Seminar in Canadian External Policy

A study of selected aspects of Canadian external policy since 1867, with emphasis on Canada's position as a middle power.

Note: 130 or 132 strongly recommended.

HIST 358 Units: 1.5 or 3.0 Hours: 3-0 Topics in Canadian History

An intensive study of selected aspects of Canadian history.

Note: May be taken more than once for credit in different topics with permission of the department.

HIST 358A Units: 1.5 or 3.0 Hours: 3-0 Women in Canada

A history of women in Canada from the era of New France to the present.

Note: Credit will be granted for only one of 358A, 358 (if taken in the same topic).



HIST 358C Units: 1.5 Hours: 3-0
Natives and Newcomers: Historical Encounters in Canada to 1867

An exploration of shifting relations between Aboriginal peoples and settlers from early contacts to 1867.
Note: Credit will be granted for only one of 358C, 358, 359 (if taken in the same topic).

HIST 358D Units: 1.5 Hours: 3-0
Race and Ethnicity in Canada to 1900

An examination of how race and ethnicity emerged as pivotal fault lines in Canada and in North American society.

Note: Credit will be granted for only one of 358D, 358, 359 (if taken in the same topic).

HIST 358F Units: 1.5 Hours: 3-0
Natives and Newcomers: Historical Encounters in Canada Since 1867

An exploration of shifting relations between Aboriginal peoples and settlers from 1867 to the social and political struggles of the present day.

Note: Credit will be granted for only one of 358F, 358, 359 (if taken in the same topic).

HIST 358G Units: 1.5 Hours: 3-0
Race and Ethnicity in Canada since 1900

A comparative examination of race and ethnicity in Canada and in North American society since 1900.

Note: Credit will be granted for only one of 358G, 358, 358D (1989-2000), 359 (if taken in the same topic).

HIST 359 Units: 1.5 or 3.0 Hours: 3-0
Seminar in Canadian History

Selected topics in Canadian history.

Notes: - Enrolment limited. Priority in registration given to honours and major students in history, but others may be admitted with permission of the Chair.

Students are advised to consult the department about the topics to be considered.

- May be taken more than once for credit in different topics with permission of the Chair.

Advanced Courses: European**HIST 360 Units: 1.5 Hours: 3-0**
The Renaissance

A study of the conditions, ideas, and people involved in the intellectual quickening that ushered in the early modern period of European history.

HIST 361 Units: 1.5 Hours: 3-0
The Reformation

A history of the people and the political and religious factors involved in the upheavals of the Protestant and Roman Catholic reformations.

HIST 362 Units: 1.5 Hours: 3-0
Europe from Louis XIV to the French Revolution

The Europe of the *Ancien Regime* of kings and peasants, of dynastic wars and peasant rebellions, and of new thinking in science, society and politics. Topics include: the idea of "absolutism"; social, political and military structures; poverty, living conditions and crime; technology and science; economic changes; the Enlightenment.

Note: Credit will be granted for only one of 362, 388 (if taken in 201001, A01).

HIST 363 Units: 1.5 Hours: 3-0
Revolutionary and Napoleonic Europe, 1789-1815

Examination of French implementation of the ideas and values of the Enlightenment and a study of European reaction to revolutionary change in political and social structures.

Note: 140 recommended.

HIST 364A Units: 1.5 Hours: 3-0
France and International Relations, 1814-1914

A study of France in terms of European Great Power politics and imperialism/colonialism. Particular attention to the relation between foreign affairs and domestic politics.

Note: 140 recommended.

HIST 364B Units: 1.5 Hours: 3-0
France and International Relations, 1914-82

A study of France in terms of European Great Power politics and imperialism/colonialism. Particular attention to the relation between foreign affairs and domestic politics.

Note: 140 recommended.

HIST 365A Units: 1.5 Hours: 3-0
Social and Cultural History of Modern Europe: 1770-1848

An examination of cultural changes in Europe under the impact of the French and industrial revolutions.

Note: 140 strongly recommended.

HIST 365B Units: 1.5 Hours: 3-0
Social, Cultural, and Political History of Modern Europe: 1848-1914

An examination of the cultural preoccupations of bourgeois Europe towards the fin-de-siècle.

Note: 140 strongly recommended.

HIST 366 Units: 1.5 Hours: 3-0
Europe Between Two World Wars

Examines the impact of the First World War on European society through its effect on the international order and the rise of totalitarian ideologies such as communism and fascism.

Note: 105 or 140 recommended.

HIST 367 Units: 1.5 Hours: 3-0
The Second World War and the Recovery of Western Europe

An examination of the effects of the Second World War on Europe, and the recovery of the Western European states in the postwar period.

Note: 105 or 140 recommended.

HIST 369 Units: 1.5 Hours: 3-0
France from the Renaissance to Louis XIV

France (1500-1715). Culture, religion and state-building are major themes.

Note: 140 strongly recommended.

HIST 370A Units: 1.5 Hours: 3-0
Formerly: 370
Reaction, Reform and Revolution in France, 1814-1914

A study of the dynamic between revolution and reform as France struggled to implement democracy. Political culture, gender relations and responses to the Industrial Revolution are major themes.

Notes: - Credit will be granted for only one of 370A, 370.

- 140 recommended.

HIST 370B Units: 1.5 Hours: 3-0
Formerly: 371
Reaction, Reform and Revolution in France, 1914-1982

A study of the dynamic between revolution and reform as France struggled to implement democracy. Political culture, gender relations and social welfare are major themes.

Notes: - Credit will be granted for only one of 370B, 371.

- 140 recommended.

HIST 371A Units: 1.5 Hours: 3-0
Image and Reality: Scandals in France, 1785-1870

A seminar exploring notorious political, economic and sexual scandals and evaluating contemporary values and political accountability.

Note: 363 or 370A recommended.

HIST 371B Units: 1.5 Hours: 3-0
Image and Reality: Scandals in France, 1870-1982

A seminar exploring notorious political, economic and sexual scandals and evaluating contemporary values and political accountability.

Note: 363 or 370A recommended.

HIST 372 Units: 1.5 Hours: 3-0
Imperial Germany

An examination of the principal themes in German history between the formation of the united state in 1871 and the German revolution of 1918-1919.

Note: 140 recommended.

HIST 373 Units: 1.5 Hours: 3-0
Weimar and Nazi Germany

An examination of the principal themes and developments in German history between the end of World War I and the collapse of the Third Reich in 1945.

Note: 105 or 140 recommended.

HIST 374 Units: 1.5 Hours: 3-0
Also: SLAV 374
Imperial Russia, 1689-1917

A history of the Russian Empire from Peter the Great to the fall of the monarchy. Traces Russia's response to the challenge of the West, with special attention to political reforms, social transformation, and cultural change. Includes discussion sessions that help students to form their own opinion on whether Late Imperial Russia was history's dead end or a promise cut short by revolutionary violence.

Note: Credit will be granted for only one of 374, SLAV 374.

HIST 376 Units: 1.5 or 3.0 Hours: 3-0
Also: SLAV 376
The Soviet Union and its Successor States, 1917-2000

A history of the Soviet Union and its aftermath. Examines political, economic, social and cultural transformations that shaped the Soviet socialist experiment, as well as the causes of its collapse and the difficulties of post-communist transition in Russia and non-Russian republics. Through reports and discussions, emphasis is given to social history, gender, and everyday life.

Note: Credit will be granted for only one of 376, SLAV 376.

HIST 377 Units: 1.5 Hours: 3-0
Also: SLAV 377
Modern Ukraine

A history of the Ukrainian people from the 17th century Cossack uprising to the emergence of independent Ukraine in 1991. Emphasis on nation-building within multiethnic empires in Eastern Europe, the Russian Revolution of 1917, World War II, and the development of modern society.

Note: Credit will be granted for only one of 377, SLAV 377.

HIST 378 Units: 1.5 Hours: 3-0
Germany After 1945

Focuses on political, social and cultural developments in both German states from re-organization of Germany after 1945 through re-unification in 1990, particularly on how Germany overcame militarism

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and authoritarianism to become a stable liberal democracy.

Note: Credit will be granted for only one of 378, 388 (if taken in the same topic).

HIST 380A Units: 1.5 or 3.0 Hours: 3-0 **Formerly: 380** **Seminar in Medieval Europe**

A detailed study of selected problems in the history of Medieval Europe. The specific topics to be considered will vary from year to year.

Notes: - Credit will be granted for only one of 380A, 380 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the Chair.

- MEDI 451, *The Medievals and the Written Word*, may be accepted as a European History course, subject to the limitations set forth in the History departmental regulations and when taught by a member of that Department.

- 236 strongly recommended.

HIST 380D Units: 1.5 or 3.0 Hours: 3-0 **Individual, Family and Community in Medieval Society**

A seminar in medieval European social history, concentrating on the role of the individual in society, and especially the place of children, women and the aged in the community. The nature and function of marriage and the family receive particular emphasis.

Note: 236 strongly recommended.

HIST 380E Units: 1.5 or 3.0 Hours: 3-0 **Medieval Foundations of the Western Legal Tradition**

A seminar covering the development of medieval ideas of law and the emergence of legal systems. Special attention is paid to major changes in law and jurisprudence during the 11th and 12th centuries.

Note: 236 strongly recommended.

HIST 380G Units: 1.5 Hours: 3-0 **Medieval Law and Literacy**

An examination of the history of writing, literacy and literate modes in the European manuscript tradition of law and legal records, from the sixth through the 15th centuries. Emphasis is placed on the central role of law and literacy in the development of societies in the Middle Ages, at the level both of government and of private individuals. Students will work directly with late medieval manuscript records in English.

Notes: - Credit will be granted for only one of 380G, 380A F01 (2004-05), MEDI 452 F01 (2004-05).

- 236 strongly recommended.

HIST 382A Units: 1.5 Hours: 3-0 **Formerly: part of 382** **The Scientific Revolution**

An examination of the rise of the 'new science' of the 17th century. Topics include: the interaction between scientific, religious, and philosophical thought; the birth of the experimental method; science and the occult; and the social relations of science.

Notes: - Credit will be granted for only one of 382A, 382.

- 260 strongly recommended.

HIST 382B Units: 1.5 Hours: 3-0 **Formerly: part of 382** **The Origins of Modernity**

An examination of the new views of human nature and society which emerged in the 17th century. Topics include: the revival of ancient scepticism; the intellectual implications of European contact with other civilizations; the impact of the 'new science' on philosophical thought; the birth of the 'science of man'; and the critique of orthodox Christianity.

Notes: - Credit will be granted for only one of 382B, 382.

- 260 and 382A strongly recommended.

HIST 383A Units: 1.5 Hours: 3-0 **Formerly: part of 383** **The Enlightenment in Britain**

An examination of Enlightenment thought and culture in 18th-century England and Scotland. Topics to be explored include: the rise of political economy; the development of the 'science of man'; the emergence of philosophical history; and the critique of religion.

Notes: - Credit will be granted for only one of 383A, 383.

- 260, 382A and/or 382B strongly recommended.

HIST 383B Units: 1.5 Hours: 3-0 **Formerly: part of 383** **The Enlightenment in Europe**

An examination of Enlightenment thought and culture in 18th-century Europe. Topics include: the world of the French philosophes; the impact of South Sea voyages on European conceptions of human nature; the possibility of human progress; new forms of historical understanding; and the critique of religion.

Notes: - Credit will be granted for only one of 383B, 383.

- 260, 382A and/or 382B, 383A strongly recommended.

HIST 386 Units: 1.5 Hours: 3-0 **Criminality and Violence in Europe, 1400-1800**

A seminar on criminal justice and cultural dimensions of violence in early modern Europe. Topics will include torture, changing execution rates, gender and the rise of the prison.

Prerequisites: 140 or permission of the Chair.

HIST 387 Units: 1.5 Hours: 3-0 **The Holocaust**

Seminar examining the origins, progression, central characters and legacies of the Nazi genocide. Focuses on Jewish experiences of Nazi terror and investigates how Nazi racial policy targeted other social and ethnic groups. Considers the post-1945 representation of the Holocaust in film, museum exhibits and memorials.

Note: Credit will be granted for only one of 387, 389 (if taken in the same topic).

Prerequisites: Third-year standing and one of 140, 366 or 373.

HIST 388 Units: 1.5 or 3.0 Hours: 3-0 **Topics in European History**

An intensive study of selected aspects of European history. Students are advised to consult the department for an outline of the topics to be considered.

Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 389 Units: 1.5 or 3.0 Hours: 3-0 **Seminar in European History**

Selected topics in European history.

Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 390 Units: 3.0 Hours: 3-0 **War in the Modern World, 1755 to the Present**

A survey of European military history from the Seven Years' War to the present day. It covers the change from the warfare of the early 18th century to the unlimited warfare of the 20th century. Emphasis is placed on the causes of war, the impact of new inventions on tactics and strategy, and the social, political, and economic results of wars on society up to and including the atomic age.

HIST 392 Units: 1.5 or 3.0 Hours: 3-0 **Seminar in the History of the Second World War**

Selected topics in the history of the Second World War.

Note: May be taken more than once for credit in different topics with permission of the Chair. Open to students with credit in 245.

HIST 393 Units: 1.5 or 3.0 Hours: 3-0 **Topics in the Historical Study of Peace and War**

Selected aspects of military history and peace studies. Topics to be considered may include war and society; naval history; science, technology, and war; and the history of pacifism.

Note: May be taken more than once for credit in different topics with permission of the Chair.

Prerequisites: 6 units of History; 140 and/or 390 recommended.

HIST 394 Units: 1.5 Hours: 3-0 **Seminar in Peace and War Studies**

Selected topics in military and peace studies. Students will be encouraged to pursue their own research interests within the confines of course topics. Topics may include: philosophers of peace and war, the social history of war, or the First World War.

Note: May be taken more than once for credit in different topics with permission of the Chair.

Prerequisites: 6 units of History.

HIST 396 Units: 1.5 or 3.0 Hours: 3-0 **Topics in the History of Science**

An intensive study of selected topics in the history of science; students are advised to consult the department for an outline of the topics to be considered.

Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 398 Units: 3.0

Formerly: 495

Third-Year Honours Essay

Supervised readings and research. Students will be required to write a research essay of 7,500-10,000 words under the direction of a member of the department.

Note: Credit will be granted for only one of 398, 495.

Advanced Courses: Asian

HIST 434A Units: 1.5 Hours: 3-0 **Formerly: also PACI 434A** **Late Imperial China**

A study of politics, society, economy and culture in late Imperial China between 1600 and 1912. Focuses on historical continuity and change within the dynamic interactions between tradition and modernity, the state and society, the Chinese and ethnic minorities, as well as China and foreign powers.

Note: Credit will be granted for only one of 434A, PACI 434A.

HIST 434B Units: 1.5 Hours: 3-0 **Formerly: also PACI 434B** **20th Century China**

An examination of Republican and Communist China between 1912 and 2000. Covers the rise and fall of the Republican democracy and the Nationalist government, as well as the successes, setbacks and reforms of the Communist regime. Emphasis is on the relationships among revolution, modernization, nationalism and communism.

Note: Credit will be granted for only one of 434B, PACI 434B.

HIST 436A Units: 1.5 Hours: 3-0
Rise and Fall of Imperial Japan

Traces the rise of imperial Japan as a reaction to Euro-American imperialism and as a means of "leaving" Asia. Examines Japan's expansion in China and the reaction of Chinese people and parties; the extension of the war to the Pacific; and the end of the war and the bombing of Hiroshima and Nagasaki as well as the Occupation period (1945-1952).

Notes: - Credit will be granted for only one of 436A, PACI 436A.

- 256 recommended.

HIST 436B Units: 1.5 Hours: 3-0
Japan's Postwar Economic History

Examines the factors giving rise to rapid economic growth in postwar Japan. These include economic reforms during the Occupation and the peace settlement; rapid capital accumulation in the 1950s; the relationship between exports and imports in economic development, distribution, social factors affecting the economy, the oil crisis and rise in the yen, the "Bubble Economy" and its bursting in the 1990s.

Notes: - Credit will be granted for only one of 436B, PACI 436B.

- 256 recommended.

HIST 436C Units: 1.5 Hours: 3-0
History of Japan-Canada Relations

Examines the history of migration, diplomacy, trade, religion and culture between Japan and Canada for the past 125 years. Issues of race, class and gender will be integrated as will the resulting cultural representations constructed around things and people involved in the Japan-Canada nexus.

Note: 256 strongly recommended.

HIST 438 Units: 1.5 or 3.0 Hours: 3-0
Topics in East Asian History

An intensive study of selected aspects of East Asian history.

Note: May be taken more than once for credit in different topics with permission of the department.

HIST 439 Units: 1.5 or 3.0 Hours: 3-0
Seminar in East Asian History

Selected topics in East Asian history.

Note: Credit will be granted for only one of 439, PACI 439. May be taken more than once for credit in different topics with permission of the Chair.

Advanced Courses: World and Comparative**HIST 440 Units: 1.5 or 3.0 Hours: 3-0**
Topics in Middle East History

An intensive study of selected aspects of modern Middle East history.

Notes: - Credit will be granted for only one of 440, 468 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the Chair.

- 105 recommended.

HIST 442 Units: 1.5 or 3.0 Hours: 3-0
Palestinian-Israeli Conflict

The century-long struggle over Palestine/Israel, from the origins of Zionism to the negotiated agreements emerging from the Oslo peace process. Major themes include: the processes and structures of nation-building and state-building; the role played by regional and international actors; the broader context of socio-economic changes; and the possibilities of reconciliation.

Notes: - Credit will be granted for only one of 442, 468, 469 (if taken in the same topic).

- 105 recommended.

HIST 443 Units: 1.5 or 3.0 Hours: 3-0
Religion and State in the Modern Middle East

Examines the historical junctures and socio-economic conditions in which modern Islamist movements have emerged. For comparative perspective, the course will study the politicization of Christian and Jewish communities in the Middle East (the Arab East, plus Iran, Israel, Turkey) and North Africa, and will also reflect on the political influence of religion in neighbouring areas.

Notes: - Credit will be granted for only one of 443, 468, 469 (if taken in the same topic).

- 105 recommended.

HIST 444 Units: 1.5 Hours: 3-0
Imperialism and Decolonization in the Middle East and North Africa

Examines the rise and decline of European political and economic power over different parts of the Middle East and North Africa. Includes: theories of imperialism; the increasing integration of the region into the world economy in the 19th century; patterns and structures of colonial rule; changing ways of life and thought in colonized societies; the nationalist and religious opposition to European influence; the legacies of imperial rule in post-colonial nations.

Note: Credit will be granted for only one of 444, 440 (if taken in the same topic).

HIST 451 Units: 1.5 Hours: 3-0
Asian Diaspora: The Chinese Overseas

A historical examination of the Chinese diaspora in Southeast Asia, North America and other continents. Emphasis is on the emigration from China, transformation of Chinatowns, and development of global networks and transnational identities of the Chinese overseas. Includes the exploration of the diasporic experiences of Japanese, Korean, Indian, and other Asian migrants in the global arena.

HIST 455 Units: 1.5 Hours: 3-0
Foundations of Islamic Civilization

A study of the sources of Islamic identity as seen in Muhammad, the Qur'an, theology, law, ritual, and cultural artifacts, from the seventh through the 12th centuries.

Note: Credit will be granted for only one of 455, 265, 468 (if taken in the same topic).

HIST 457 Units: 1.5 Hours: 3-0
The Atlantic Slave Trade

Examines the great forced migrations, focusing on the trade itself, the destinations of the slaves and the roles they played in local societies, resistance to slavery and "Back to Africa" movements. Emphasis is on the Caribbean rather than the United States.

Note: Credit will be granted for only one of 457, 468 (if taken in the same topic).

HIST 458 Units: 1.5 Hours: 3-0
Whites in Black Africa

Examines European roles in Sub-Saharan Africa from the initial slave traders and explorers to post-colonial tourists and aid workers. Concentrates on the rise and fall of white settler societies in Kenya and Zimbabwe.

Note: Credit will be granted for only one of 458, 468 (if taken in the same topic).

HIST 459 Units: 1.5 Hours: 3-0
History of South Africa

An examination of South Africa from 1652 to 1994, focusing on the contestants for the land, the construction of the modern South African state, and the life and death of apartheid.

Note: Credit will be granted for only one of 459, 468 (if taken in the same topic).

HIST 464 Units: 1.5 Hours: 3-0
British Columbia and the American Pacific Northwest

A comparative examination of one or more topics that are representative of the social, political, or economic histories of British Columbia and the American Pacific Northwest.

Note: May be taken more than once for credit in different topics with permission of the department.

HIST 465 Units: 1.5 or 3.0 Hours: 3-0
Modern Colonial Empires and the Making of the 'Third World'

A comparative examination of major colonial empires prior to the First World War. Themes include: diversity of historical experience within the Third World; colonial institutions; modes of resistance and collaboration; inter-imperial rivalries; and relations between formal empires and regions of informal dominance.

Note: 140 recommended.

HIST 466 Units: 1.5 or 3.0 Hours: 3-0
20th-Century Decolonization in Global Perspective

A comparative treatment of the end of empire. Topics include: changes in conditions globally with special reference to the imperial powers and colonies; strategies of colonial rule; characteristics of distinct independence movements; the superpowers' roles in decolonization; contrasting transitions to independence.

Note: 105 or 140 recommended.

HIST 468 Units: 1.5 or 3.0 Hours: 3-0
Topics in World and Comparative History

Selected topics in world history and comparative history.

Note: May be taken more than once for credit in different topics with permission of the department.

HIST 469 Units: 1.5 or 3.0 Hours: 3-0
Seminar in Comparative History

Selected topics in comparative history. Examines various themes within different historical contexts.

Note: May be taken more than once for credit in different topics with permission of the department.

HIST 470 Units: 1.5 Hours: 3-0
Also: SPAN 484C**Colonial Spanish America 1492-1767**

Spanish America from the Conquest to the Bourbon reforms. Special focus on territorial expansion, indigenous resistance and accommodation, the establishment of the viceroyalties, social diversity, racial intermingling, racism and cultural hybridity.

Note: Credit will be granted for only one of 470, SPAN 484C.

HIST 471 Units: 1.5 Hours: 3-0
Also: SPAN 484D**From Colony to Republic: Spanish America 1767-1867**

Spanish America from the expulsion of the Jesuits to the reestablishment of a republic in Mexico. Special attention to the causes of independence as well as the struggle between liberals and conservatives in the newly-formed nations.

Note: Credit will be granted for only one of 471, SPAN 484D.

HIST 479 Units: 1.5 Hours: 3-0
History of the Modern Olympic Games

Focuses on the Games since 1896, the philosophy of Olympism and the cultural, social, political and economic impact of the Games and their media dimensions.

Advanced Specialized Courses

HIST 480 Units: 3.0 Hours: 3-0 Approaches to History

The history of history and the nature of history as an intellectual discipline.

Prerequisites: *Student must be in the Honours program or have permission of the Chair.*

HIST 481 Units: 1.5 or 3.0 Hours: 3-0 Doing Digital History: Creating Microhistories for the Internet

A workshop-oriented introduction to the methodology of microhistory, including an orientation to the different archives in Victoria and a research project based on the history of Victoria in the Victorian era. Research skills and basic website creation skills will be taught and the final research product will be a website.

Note: *Credit will be granted for only one of 481, 358 (if taken in the same topic), 359 (if taken in the same topic). Preference given to students with at least third-year standing or approval of the department. No prior archival research or website creation skills are necessary.*

HIST 490 Units: 1.5 or 3.0 Directed Reading

Students wishing to pursue a course of directed reading should, together with a faculty member willing to supervise such a course, formulate a proposal describing both the content of the course and a suitable means of evaluating the student's work. The proposal must then receive the approval of the Chair of the department.

Note: *Students may take this course normally for a total of 6 units, and not more than 3 units in any given year.*

HIST 497 Units: 3.0 Honours Thesis

Students will prepare an honours thesis under the direction of a member of the department. After acceptance of the thesis by the supervising faculty member, the student will defend it in an oral examination. The thesis will be 7,500-10,000 words in length unless it is an expansion of a third year honours essay (398) in which case it will be 15,000-20,000 words in length.

Note: *Credit will be granted for only one of 496, 497.*

HSD

Human and Social Development Interdisciplinary Courses Faculty of Human and Social Development

HSD 390 Units: 1.5 or 3.0 Directed Studies

Individual studies involving directed readings, projects, or special studies under the direction of a faculty member. A proposal is developed in consultation with a faculty member and includes a plan for the evaluation of the student's work. The proposal must be approved by the Dean before students are allowed to register.

Note: *Offered as resources permit. May be taken more than once for credit in different topics.*

HSD 400 Units: 1.5 Hours: 3-0 Policy in the Human Services

The objectives of this course are to provide an introduction to the main organizational structures of, and stages in, the social policy making process in Canada; to strengthen skills in the analysis of policies and programs in Canadian human services; to critically examine different ideologies and theories

through which the welfare state has been examined in various countries, and to develop an appreciation of the interdisciplinary nature of social policy as a field of academic and applied activity.

HSD 401 Units: 1.5 Hours: 3-0 Women in the Human Services

An opportunity to reflect critically on the experiences of women in their various connections to the human services: as recipients, providers, advocates and policymakers. Explores the social, economic and political influences which have shaped these experiences for diverse groups of women. Attention is given to the gendered aspects of programs and policies in the human services, and to the interconnections between the private and public dimensions of women's lives.

Note: *Course is not currently offered.*

HSD 425 Units: 1.5 Qualitative and Quantitative Analysis

Provides students with a grounding in the techniques commonly used in the analysis of both quantitative and qualitative data. Students will engage in the process of qualitative analysis through examining qualitative data, data coding and thematic construction. A range of descriptive and inferential statistical approaches to quantitative analysis are examined using a computer-based system.

Notes: - *Course is not currently offered.*

- *Credit will be granted for only one of 425, NURS 425.*

- *Normally, this course is available only to students registered in the Schools of Child and Youth Care, Nursing, and Social Work. All students must have basic computing and word processing skills prior to enrolling in the course. Students taking the course off-campus must have access to a computer with a CD-ROM.*

HSD 460 Units: 1.5 Hours: 3-0 Special Topics in Human and Social Development

A variable content course which will focus on current and emerging issues in the human services. Examples of appropriate content include the prevention and treatment of alcohol and drug abuse and cross-cultural issues in the human services.

Note: *Restricted to students in the Faculty of Human and Social Development in the third- or fourth-year of study. May be taken more than once for credit to a maximum of 3 credits. Offered as resources permit.*

HSD 464 Units: 1.5 Introduction to Disability Studies

A mandatory course for students enrolled in the Child Welfare Specialization and focuses on issues affecting people with disabilities. Current issues in human rights, ethics, and attitudes about disability are examined within a framework of human rights, citizenship and inclusion. Highlights the skills and knowledge required for anti-ableist practice and includes a critical analysis of theory, policy and practice. Various approaches to the planning and delivery of services are examined with an emphasis on those approaches that facilitate consumer choice and decision-making.

Notes: - *Course is not currently offered.*

- *Credit will be granted for only one of 464, CYC 364, SOCW 469.*

HSD 470 Units: 1.5 Hours: 3-0 Also: CYC 379 Interdisciplinary Perspectives on Sub-Saharan Africa

An overview of key African issues, through presentations by University of Victoria professors with research and development interests in Africa. Topics include: pre-history and paleo-anthropology, literature and the arts, colonial and post-colonial histories, and contemporary issues such as governance, HIV-AIDS and human rights.

Note: *Credit will be granted for only one of 470, CYC 379.*

HSD 490 Units: 1.5 or 3.0 Directed Studies

Individual studies involving directed readings, projects, or special studies under the direction of a faculty member. A proposal is developed in consultation with a faculty member and includes a plan for the evaluation of the student's work. The proposal must be approved by the Dean before students are allowed to register.

Note: *Offered as resources permit. May be taken more than once for credit in different topics.*

HUMA

Humanities Faculty of Humanities

HUMA 010 Units: 0 Diploma Orientation Seminar

This seminar will be taken prior to or in conjunction with Humanities 100 by all students in the Diploma Program.

Grading: *COM, INC.*

HUMA 100 Units: 1.5 Hours: 3-0 An Introduction to Humanities

An introduction to the various ways in which scholars from different disciplines in the Humanities interpret, analyze and evaluate texts.

Notes: - *Credit will be granted for only one of 100, 120.*

- *100 is a variable content course and may be taken more than once for credit to a maximum of 3 units. Restricted to students in the Humanities Diploma Program.*

HUMA 120 Units: 3.0 Hours: 2-0-1 Communities of Learning

An introduction to humanistic enquiry that examines the nature, role, and value of the intellectual life from ancient times to the postmodern world. Scholars from a number of disciplines will contribute to the course.

Notes: - *Credit will be granted for only one of 120, 100.*

- *Restricted to first-year students registered in the Faculty of Humanities.*

HUMA 150 Units: 1.5 Hours: 1-2 Tools, Techniques, and Culture of the Digital Humanities

A survey of the tools, techniques, and culture of humanities computing. Topics include: impact of computing on society and academe; strategies for online research; evaluating digital academic resources; digitizing materials and converting analog materials to digital (text, image, and sound); using communicative, word-processing, spreadsheet, database, and image-, sound-, and text-manipulation software; building websites; the Portfolio system.

HUMA 250 Units: 1.5 Hours: 1-2 Digital Representation and Creation in a Humanities Context

Examines the impact of computing on society and academe, through electronic modelling and creation strategies for materials that comprise the focus of the humanities. Topics include: exploration of the traditions of humanistic representational strategies; implications of modelling/representing this information digitally; basic textual encoding; design and use of relational database systems; use of multimedia tools for creative and representational endeavours; and computer-mediated communicative techniques and immersive environments.

Prerequisites: 150 or permission of the Associate Dean of the Faculty of Humanities.

HUMA 350 Units: 1.5 Hours: 1-2
Key Applications: Electronic Publishing and Computer-Assisted Analysis

Examination of key applications for digital humanities work in electronic publishing and the analysis of electronic objects within traditional, and new, frameworks of humanistic inquiry. Topics include: a survey of ways of knowing and ways of expressing knowledge in the humanities; advanced text encoding (TEI-XML); the generation of textual corpora; numerical and graphical analysis with relational databases, spreadsheets, and purpose-built software; and publication tools (such as XSLT) and systems.

Prerequisites: 250 or permission of the Associate Dean of the Faculty of Humanities.

HUMA 450 Units: 1.5 Hours: 1-2
Digital Humanities Project Seminar

Seminar culminating in the completion of a large individual student project integrating digital humanities concerns with those at the core of the student's disciplines. Topics include: implications of a digital approach to disciplinary work; project planning and management; tools and techniques. Meetings also include consultation sessions. Projects are carried out in conjunction with the department of the student's program.

Prerequisites: 350 or permission of the Associate Dean of the Faculty of Humanities.

HUMA 491 Units: 1.5 Hours: 3-0
Directed Studies in Digital Humanities

A directed studies course in an area of the digital humanities. May be combined with curriculum offered by the Digital Humanities Summer Institute.

Note: May be taken more than once for credit in different topics.

Prerequisites: Permission of the Associate Dean of the Faculty of Humanities.

IA

Interdisciplinary Arts
Department of Curriculum and Instruction
Faculty of Education

Courses offered by the the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, EPHE, IA, IET, ME.

IA 400 Units: 1.5 Hours: 3-0
Fine Arts in Education

The nature of the visual and performing arts; the arts in education; commonalities and differences; informed advocacy.

Prerequisites: 3 units from approved Fine Arts or Art Education courses.

IB

International Business
Faculty of Business

Courses offered by the Faculty of Business are also found under the following course codes: COM (Commerce), ENT (Entrepreneurship), SMGT (Service Management), MBA (Master's of Business Administration).

IB 218 Units: 1.5
International Field Study

Introduces students to the international business environment. Provides a classroom-based introduction to international business issues and culminates in a short instructor-guided field trip to an offshore locale.

Note: Open only to Business students with second-year standing. Travel fees apply for this course.

IB 301 Units: 1.5 Hours: 3-0
The International Environment of Business

Aspects of the global business environment with emphasis on the reasons for international trade, economic structure of the world marketplace, and the important trading relations among nations.

Note: Not open to students registered in or with credit in COM 361.

Prerequisites: Third-year standing.

IB 405 Units: 1.5 Hours: 3-0
Sustainable Communities

Critically examines the global landscape in which business operates, with attention paid to social, political, economic and cultural issues, and considers the role that might be played by business in developing sustainable local societies.

Note: Credit will be granted for only one of 405, COM 450 (if taken in the same topic).

Prerequisites: 301 or COM 361 and fourth-year standing, or permission of the Program Director.

IB 408 Units: 1.5 Hours: 3-0
International Legal Relations

The legal aspects of various international economic organizations including the World Bank, the International Monetary Fund, and the General Agreement on Tariffs and Trade (GATT). Canadian administrative law aspects relating to regulation of trade will be analyzed in the economic and political setting of the world community.

Prerequisites: 301 or COM 361 and fourth-year standing or permission of the Program Director.

IB 409 Units: 1.5 Hours: 3-0
Selected Topics in International Business Management

An analysis of international business as it relates to specialized fields with specific topics added on a regular basis to reflect changing issues and faculty availability. Topics vary on a yearly basis, and thus students should consult with the Faculty of Business for current offerings.

Note: May be taken more than once for credit with permission of the Faculty of Business.

Prerequisites: 301 or COM 361 and fourth-year standing or permission of the Program Director.

IB 415 Units: 1.5 Hours: 3-0
Cross-National Management

An analysis of the influence of national culture on managerial practices, including the issues surrounding the transferability of such managerial practices.

Note: Credit will be granted for only one of 415, 302.

Prerequisites: COM 321, 361; or IB 301, COM 220; and fourth-year standing.

IB 416 Units: 1.5 Hours: 3-0
International Marketing

Opportunities, characteristics, and trends in foreign markets as well as strategies and problems of adapting marketing concepts and methods in international settings.

Note: Credit will be granted for only one of 416, 401.

Prerequisites: COM 351, 361; or COM 250, IB 301; and fourth-year standing.

IB 417 Units: 1.5 Hours: 3-0
International Finance

Financial problems of multinational business; international financial environment; long-term capital commitment to an international venture; financial techniques for firm operation.

Note: Credit will be granted for only one of 417, 403.

Prerequisites: COM 371, 361; or COM 240, IB 301; and fourth-year standing.

IB 418 Units: 1.5 Hours: 3-0
International Work Study

A project-based work study carried out for organizations located outside Canada. Students will conduct research and complete projects assigned by the host organization.

Note: Travel fees apply for this course.

Prerequisites: Third-year Commerce core.

IET

Intercultural Education and Training
Diploma in Intercultural Education and Training
Interdisciplinary Programs

Courses offered by the the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, EPHE, IA, IET, ME.

IET 400 Units: 1.5 or 3.0
Practicum in Intercultural Education and Training

Students may choose to undertake a 1.5 or 3.0 unit practicum toward the end of their program. A practicum focuses on an area of professional interest and provides an opportunity to consider intercultural principles and issues in a practical setting. Place-ments are arranged through the program office with an approved institution or organization. A 1.5 unit practicum consists of at least 50 hours of activity; a 3.0 unit practicum involves a minimum of 100 hours.

Note: May be taken more than once for credit to a maximum of 3 units.

Grading: INP, COM, N, F.

IET 410 Units: 1.5 or 3.0
Final Project in Intercultural Education and Training

Students may choose to undertake a 1.5 or 3.0 unit final project toward the end of the Intercultural Education and Training Program. The final project provides an opportunity to demonstrate knowledge of both theory and practice in a selected area of intercultural studies.

Grading: INP, COM, N, F.

IET 420 Units: 1.5 Hours: 3-0
Topics in Intercultural Education

Selected major topics and issues in intercultural education and training. Students are advised to consult with the Program Office for information on the subject and course schedule.

Note: May be taken more than once for credit in different topics to a maximum of 3 units toward the Diploma in Intercultural Education and Training; open to other students with third- or fourth-year standing.

IET 430 Units: 1.5 Hours: 3-0
Facilitating Intercultural Relationships

Develops a range of interpersonal and organizational skills that build positive intercultural relationships and strengthen communication. Focuses on strategies such as equity policy development, analysis of social justice issues, promotion of anti-racism, facilitation meetings and workshops, dispute resolution, sensitivity building, and advocacy and management of change in intercultural settings.

IGOV

Indigenous Governance

Indigenous Governments Certificate Program and MA in Indigenous Governance

Faculty of Human and Social Development

Courses offered subject to adequate enrolment.

IGOV 381 Units: 1.5 Indigenous Leadership and Governance

Explores the political, social and intellectual dynamics of leadership in contemporary Indigenous communities. Focuses on locating the current issues and problems within a historical framework of understanding based on colonization. From a perspective rooted in traditional values and a commitment to Indigenous nationhood, considers the organizing processes, goals, structure, culture, and power issues that affect Indigenous peoples' struggle to achieve self-determination.

IGOV 382 Units: 1.5 Law and Indigenous Governance

Examines Provincial, Federal, State, Territorial and International laws affecting Indigenous governments. Examines the authorities of and legal relationships between Indigenous people and states. Includes an examination of the Indigenous philosophy of law, international, constitutional, statutory and common law pertinent to Indigenous governments. Special attention will be paid to emerging concepts in International law on Indigenous rights and title.

IGOV 383 Units: 1.5 The Indigenous-State Relationship

Considers the traditional nature and contemporary evolution of the relationship between Indigenous people and the state in a global context, with a special emphasis on local dynamics and the situation of Indigenous governments in relation to the Canadian federal system. Focuses on contrasting Indigenous perspectives with an understanding of the current status of the relationship in legal, political and economic terms. The various processes and concepts used in the discussion of self-government and self-determination will be examined and compared to Indigenous notions of nationhood, power and justice.

IGOV 384 Units: 1.5-3.0 Special Issues in Indigenous Governance

An opportunity to examine and discuss the most relevant of contemporary issues facing Indigenous governments. Topics and instructors will vary, and respond to pressing problems or concerns as determined by the students.

Note: May be taken more than once for credit in different topics.

IS

Indigenous Studies

Program in Indigenous Studies Interdisciplinary Programs

IS 200 Units: 3.0 Hours: 2-0-1 Introduction to Indigenous Studies

An interdisciplinary, introductory course taught from Indigenous perspectives focused on worldviews, history, land, governance, spirituality and the arts of Indigenous peoples around the world.

IS 220 Units: 1.5 Hours: 4-0 Preparation Seminar for Indigenous Research Apprenticeships and Community Internships

Weekly seminar to provide students with knowledge and skills for working in First Nations communities,

Aboriginal organizations, or within campus-based academic research teams through a Research Apprenticeship (320) or Community Internship (321). Includes a basic overview of historical and contemporary issues facing First Nations, Métis and Inuit peoples and an introduction to western and Indigenous research methodologies, and presentations by representatives from First Nations communities, Aboriginal organizations, and campus-based researchers.

Note: Students must contact the LE, NONET Office at 250-472-4287 to discuss their eligibility for the Program.

Prerequisites: Registration is limited to students who have been authorized to participate in the LE, NONET Program.

IS 320 Units: 1.5 Indigenous Research Apprenticeship

Students will gain practical experience within a university research setting. In consultation with the Apprenticeship Coordinator, the student will identify an area of research interest and will undertake 200 hours of research under the supervision of a faculty member from any department. Students will prepare and submit a final project report.

Note: Registration is limited to students in the LE, NONET program.

Prerequisites: 220 and permission of instructor.

Grading: INP; letter grade.

IS 321 Units: 1.5 Indigenous Community Internship

Students will gain practical experience within an Indigenous community or organization setting. In consultation with the Internship Coordinator, the student will identify an area of interest and will undertake 200 hours of research under the supervision of a community adviser from an Indigenous community or organization. Students will prepare and submit a final project report.

Note: Registration is limited to students in the LE, NONET program.

Prerequisites: 220 and permission of instructor.

Grading: INP; letter grade.

IS 371 Units: 1.5 Also: EDCI 371 The History of First Nations, Métis, and Inuit Education in Canada

Topics include: traditional forms of Aboriginal knowledge and pedagogy before European contact; a historical view of colonization and government legislation and policy pertaining to education; Aboriginal resistance and education initiatives; a general overview of current issues facing Aboriginal Education. Class participants will experience learning through storytelling, modelling, dialogue, experiential learning, and self and group directed learning.

Note: Credit will be granted for only one of 371, EDCI 371.

Grading: COM, N, F.

IS 372 Units: 1.5 Also: EDCI 372 Indigenous Epistemologies

Study and celebration of Indigenous knowings and practices (traditional and evolved) of First Nations, Métis, and Inuit people, problematization of the assimilative pressures imposed on Aboriginal peoples since contact. Topic includes: how First Peoples think, feel and act as the people of this land; different kinds of Aboriginal oral, spiritual, and written scholarship; epistemological frameworks, methodologies and protocols for validating Indigenous scholarship; ethics and values implied by research teaching, and organizational systems.

Note: Credit will be granted for only one of 372, EDCI 372.

Grading: COM, N, F.

IS 373 Units: 1.5 Hours: 3-0 Also: EDCI 373

EI TELNIWT and Aboriginal Education

An exploration of ways to address the learning and teaching needs of Aboriginal children, youth, and adults through understanding Indigenous peoples' relationship with land, language, and community. Topics include: study of who Indigenous peoples are, diversity amongst Indigenous peoples, ways to indigenize the learning and educational environment, and of the systems that impact service of teachers and learners.

Note: Credit will be granted for only one of 373, EDCI 373.

IS 400 Units: 1.5 Hours: 3-0 Special Topics Seminar in Indigenous Studies

An interdisciplinary investigation of a selected Indigenous subject approached from Indigenous perspectives. Seminar to be taken as capstone course for Indigenous Studies Minor. Variable topics will be traditional and/or contemporary in their focus.

Note: May be taken more than once for credit in different topics to a maximum of 3 units with permission of the Director.

Prerequisites: 200.

ITAL

Italian

Department of Hispanic and Italian Studies

Faculty of Humanities

Native speakers of Italian may not obtain credit for 100- or 200-level courses. A native speaker is defined in this context as a person who has spoken Italian since childhood and/or has received sufficient instruction in the language to be literate in it. The department will assign students with previous knowledge to the appropriate level.

ITAL 100A Units: 1.5 Hours: 3-1 Formerly: first half of 100 Beginners' Italian I

Focuses on the acquisition of basic skills of pronunciation, reading, writing, and conversation. Includes instruction in essential points of grammar, basic syntax, and vocabulary for daily interaction.

Note: Credit will be granted for only one of 100A, 100, 149. Priority will be given to students in first- and second-year.

ITAL 100B Units: 1.5 Hours: 3-0-1 Formerly: second half of 100 Beginners' Italian II

A continuation of 100A. Emphasis will continue to be placed on the acquisition of basic skills. Vocabulary and grammatical concepts will be expanded.

Note: Credit will be granted for only one of 100B, 100, 149.

Prerequisites: 100A or permission of the department.

ITAL 149 Units: 3.0 Hours: 6-2 Beginners' Italian

Intensive Italian language instruction for beginning language students. Equivalent to 100A/100B.

Note: Credit will be granted for only one of 149, 100, 100A, 100B.

ITAL 203 Units: 1.5 Hours: 3-0
Italy: Fact and Fiction (in English)

Explores the appeal of Italy worldwide by analyzing images of Italian culture in novels, travel writing, journalism, autobiography and films. Italian as well as non-Italian writers and filmmakers to be considered; emphasis on 20th and 21st centuries.

ITAL 250A Units: 1.5 Hours: 3-1
Formerly: first half of 200**Review of Grammar and Conversation I**

Intensive review of grammatical concepts and structures presented in 100A and 100B and acquisition of composition and translation skills. Readings will be taken from significant Italian authors. One hour a week will be devoted to conversation.

Note: Credit will be granted for only one of 250A, 200.

Prerequisites: 100A and 100B, or 149, or permission of the department.

ITAL 250B Units: 1.5 Hours: 3-1
Formerly: second half of 200**Review of Grammar and Conversation II**

A continuation of 250A. Review of grammatical concepts and structures introduced in 100A and 100B as well as on the expansion and consolidation of skills acquired in 250A. Readings will be taken from significant Italian authors. One hour a week will be devoted to conversation.

Note: Credit will be granted for only one of 250B, 200.

Prerequisites: 250A.

ITAL 265 Units: 1.5 Hours: 3-0
Introductory Written Italian

Expands the student's ability to communicate in Italian in various written forms (compositions, book and film reviews, newspaper articles, creative writing). Explores and uses a variety of texts that will serve as examples for the written assignments.

Note: Not open to students with credit in 365.

Prerequisites: 250A or permission of the department.

ITAL 279B Units: 1.5 Hours: 3-0
Formerly: 479B**The Early Modern Period in Italy (in English)**

A study of the culture of Italy in the period 1350-1550. Consideration of the artistic, literary, intellectual, social and political trends of the period.

Note: Credit will be granted for only one of 279B, 479B.

Prerequisites: Second-year standing.

ITAL 300 Units: 1.5 Hours: 3-0
Italian for Reading Knowledge

Designed for the attainment of reading proficiency in Italian. Basic Italian grammar taught in conjunction with texts of progressive complexity.

Note: Recommended particularly for third- and fourth-year undergraduates and graduate students. Not open to students who have previously taken Italian language courses unless permission is granted by the department.

ITAL 303 Units: 1.5 Hours: 3-0
Medieval Italian Culture and Literature

Italian literature within the historical and cultural framework of Medieval Italy, starting with Frederick II's Sicilian School of poetry and the "Sweet New Style" School of Bologna and Florence. Particular attention given to Dante's *Divine Comedy*, Boccaccio's *Decameron* and Petrarch's *Canzoniere*.

May be given in Italian or English.

Prerequisites: If given in Italian, 350 or 351; if given in English, second-year standing.

ITAL 306 Units: 1.5 Hours: 3-0
Italian Culture (in English)

An introduction to artistic, intellectual, social and political trends in Italy from pre-Roman times to Italy in the new Europe of the 21st century, using the cultural history of three cities in particular to illustrate them: Florence, Venice and Rome. Specific reference will be made to Medieval and Renaissance Italy as a centre of culture in Europe, the Risorgimento, the Fascist regime, and the Italian miracle of the post-war period.

Prerequisites: Second-year standing.

ITAL 350 Units: 1.5 Hours: 3-0
Advanced Italian Grammar and Literary Usage I

A contrastive analysis of Italian and English grammatical and syntactic structures which introduces students to Italian literature through the study of short stories, popular articles and contemporary media. Development of vocabulary, writing skills and complex linguistic structures.

Note: Credit will be granted for only one of 350, 302, 310.

Prerequisites: 250A and 250B with a minimum average GPA of 4.0, or advanced placement by the department.

ITAL 351 Units: 1.5 Hours: 3-0
Advanced Italian Grammar and Literary Usage II

Oral and grammar-focused written practice centred on the study of the Italian language as used in the media, popular fiction, children's literature, poetry and music. Covers grammar and syntax, literary history and academic writing.

Prerequisites: 250A and 250B with a minimum average GPA of 4.0, or advanced placement by the department.

ITAL 365 Units: 1.5 Hours: 3-0
Advanced Written Italian

Deepens the student's ability to write in Italian. Specific texts will be used to exemplify different styles to be practiced in the written assignments.

Prerequisites: 250B or permission of the department.

ITAL 407 Units: 1.5 Hours: 3-0
In Search of the True Culprit: Italian Culture and Society in Detective Fiction

The literary, historical, and sociological significance of detective fiction written by major Italian authors, especially Leonardo Sciascia and Dacia Maraini. The analysis of Sciascia's presentation and treatment of the Mafia and Maraini's feminist concerns will constitute the primary focus of this course.

Note: May be taken twice for credit in different topics with permission of the department.

Pre- or corequisites: 350 or 351 if given in Italian; second-year standing if given in English.

ITAL 470 Units: 1.5, formerly 3 Hours: 3-0
Formerly: 403**Dante's *Divine Comedy* (in English)**

A study of all three parts of the *Divine Comedy*: the *Inferno*, the *Purgatorio*, and the *Paradiso*, and their relationship to Courtly Love, mythology, theology, and medieval thought in general.

Note: Credit will be granted for only one of 470, 403.

Prerequisites: Second-year standing.

ITAL 472A Units: 1.5 Hours: 3-0
Formerly: half of 472**Boccaccio's *Decameron* (in English)**

A study of the human comedy Boccaccio creates in his *Decameron* and its relationship with the changing world of late medieval Italy.

Note: Credit will be granted for only one of 472A, 472.

Prerequisites: Second-year standing.

ITAL 472B Units: 1.5 Hours: 3-0**Formerly: half of 472****Francis Petrarch: His Life as Literature (in English)**

The life of Petrarch seen through his literary works. The primary focus will be on Petrarch's *Canzoniere* and his Letters, within the context of political turbulence in Italy and Avignon.

Note: Credit will be granted for only one of 472B, 472.

Prerequisites: Second-year standing.

ITAL 473 Units: 1.5 Hours: 3-0**Formerly: 370B****Renaissance Literature**

Major literary works of Renaissance Italy. Authors to be studied may include Lorenzo de' Medici, Poliziano, Machiavelli, Ariosto, Vittoria Colonna, Michelangelo, and Tasso.

Note: Credit will be granted for only one of 473, 370B.

Pre- or corequisites: 350 or 351.

ITAL 474 Units: 1.5 Hours: 3-0**Formerly: 370D****Italian Comic Theatre**

The development of the Italian comedy, from the *Mandragola* of Niccolò Machiavelli to the comedies of Carlo Goldoni, with particular emphasis given to the influence of the *Commedia dell'Arte* and of the hedonistic atmosphere of 18th century Venice on Goldoni and the role of women in his comedies.

Note: Credit will be granted for only one of 474, 370D.

May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

Pre- or corequisites: 350 or 351.

ITAL 478 Units: 1.5 Hours: 3-0**Formerly: 370C****Topics in Modern Italian Literature**

Major literary works of 20th century Italy. Authors to be studied may include Tozzi, Svevo, Pirandello, Pavese, Moravia, and Maraini.

Note: Credit will be granted for only one of 478, 370C.

May be taken more than once for credit in different topics with permission of the department to a maximum of 4.5 units.

Pre- or corequisites: 350 or 351.

ITAL 479A Units: 1.5 Hours: 3-0**Also: SPAN 479A****Women in the Hispanic and Italian World**

A study of major women authors, characters and themes relevant to women's issues in Hispanic and Italian literature.

Topic: "Contemporary Women's Writing for Children".

Note: Credit will be granted for both 479A and SPAN 479A only if taken in different topics. ITAL 479A may be taken twice in different topics with permission of the department.

Pre- or corequisites: 350 or 351 if given in Italian; second-year standing if given in English.

ITAL 485 Units: 1.5 Hours: 3-1**Topics in Italian Film**

An introduction to major accomplishments in Italian film, from the start of the talkies during Fascist times to contemporary cinema with special emphasis on directors such as De Sica, Rossellini, Fellini and Wertmüller. May be given in Italian or English.

Notes: - Students should contact the department to determine the language of instruction.

- May be taken twice for credit in different topics with permission of the department.

Pre- or corequisites: 350 or 351 if given in Italian; second-year standing if given in English.

330 COURSE LISTINGS

ITAL 495 Units: 1.5 or 3.0 Hours: 3-0 Directed Reading Course

A specified reading project for fourth-year students to be determined by the student and the instructor, and the Chair of the department; written assignments will be required.

Note: May be taken more than once for credit in different topics with permission of the department.

LAS

Latin American Studies Latin American Studies Program Faculty of Humanities

The following courses are open to all students: no knowledge of Spanish is required.

LAS 300 Units: 1.5 Hours: 3-0 Special Topics in Latin American Studies (in English)

Offers a multidisciplinary perspective on Latin America by focusing on a particular topic. Students will have the opportunity to pursue a related interest. Readings, discussions, and work submitted will be in English.

Topic: "A Multidisciplinary Study of Community Empowerment".

Note: May be taken more than once for credit in different topics.

Prerequisites: Second-year standing.

LAS 499 Units: 1.5 Honours Graduating Essay

Directed readings and research for Honours students conducive to writing a research essay of 7,500 to 10,000 words in English or Spanish. This essay can be an expansion of the essay written for LAS 300.

LATI

Latin Department of Greek and Roman Studies Faculty of Humanities

Students without previous knowledge of Latin will register for LATI 101. Those students who have taken high school Latin should consult the department before enrolling in any Latin course. LATI 202 is the prerequisite for LATI 301, 307, 308, 309, 310 and 350, three of which will be offered annually, circumstances permitting. Courses at the 400 level have a prerequisite of at least 3 units of Latin at the 300 level or above, or permission of the department.

LATI 101 Units: 1.5 Hours: 3-1 Formerly: part of 100 Introductory Latin I

No previous knowledge of Latin is required. An introduction to the basic grammatical patterns of the language; reading of simple passages of Latin.

Note: Credit will be granted for only one of 101, 100.

LATI 102 Units: 1.5 Hours: 3-1 Formerly: part of 100 Introductory Latin II

A continuation of 101, completing the survey of basic Latin grammar, and designed to improve students' ability to read the language.

Note: Credit will be granted for only one of 102, 100.

Prerequisites: 101.

LATI 201 Units: 1.5 Hours: 3-1 Formerly: part of 200 Advanced Latin Grammar

Review of grammar covered in 101 and 102, followed by study of more advanced grammatical constructions. Readings will provide a transition from simplified language to genuine literary Latin.

Note: Credit will be granted for only one of 201, 200.

Prerequisites: 102 or permission of the department.

LATI 202 Units: 1.5 Hours: 3-0 Formerly: part of 200 Introduction to Latin Literature

Reading of selected Latin authors in prose and poetry, accompanied by a review of grammar.

Note: Credit will be granted for only one of 202, 200.

Prerequisites: 201 or permission of the department.

LATI 301 Units: 1.5 Hours: 3-0 Formerly: part of 390A and 390B Vergil

Selected readings in Latin from one or more of Vergil's *Eclogues*, *Georgics*, and *Aeneid*.

Notes: - Credit will be granted for only one of 301, 390A, 390B.

- This is a variable content course which may be taken more than once for credit in different topics with permission of the instructor.

Prerequisites: 202 or permission of the department.

LATI 307 Units: 1.5 Hours: 3-0 Historians of the Republic

Readings may be taken from one or both of Sallust and Livy.

Prerequisites: 202 or permission of the department.

LATI 308 Units: 1.5 Hours: 3-0 Cicero

Readings in Latin from the writings of one of Rome's major intellectual figures and a participant in the political struggles of the late Republic. Texts may include Cicero's orations, letters, and philosophical works.

Prerequisites: 202 or permission of the department.

LATI 309 Units: 1.5 Hours: 3-0 Ovid

Readings from Ovid's *Metamorphoses* or other poems.

Prerequisites: 202 or permission of the department.

LATI 310 Units: 1.5 Hours: 3-0 Roman Love Poetry

Readings may be taken from some or all of the following: Catullus, Propertius, Tibullus, Ovid's *Amores*.

Note: Credit will be granted for only one of 310, 401.

Prerequisites: 202 or permission of the department.

LATI 350 Units: 1.5 Hours: 3-0 Also: MEDI 350 Formerly: 250 Medieval Latin

Readings will be structured around a topic in post-classical Latin literature. Possible topics include: Latin literature of Late Antiquity, medieval epic, Latin lyric of the 12th century, medieval Latin comedy.

Note: Credit will be granted for only one of 350, 250, MEDI 350.

Prerequisites: 202 or permission of the department.

LATI 402 Units: 1.5 Hours: 3-0 Roman Drama

A study of Roman comedy and/or tragedy, with close attention to the Latin texts. Readings may be taken from one or more of the following: Plautus, Terence, Seneca.

Prerequisites: Completion of at least 3 units of Latin at the 300-level or above, or permission of the department.

LATI 404 Units: 1.5 Hours: 3-0 Formerly: part of 490A Roman Satire

A study of the genre of verse satire, which the Romans regarded as their own invention. Readings from Horace, Persius and Juvenal.

Note: Credit will be granted for only one of 404, 490A.

Prerequisites: Completion of at least 3 units of Latin at the 300-level or above, or permission of the department.

LATI 406 Units: 1.5 Hours: 3-0 Roman Epic

Selected readings in Latin from one or more poems within the tradition of ancient Roman epic, other than Vergil's *Aeneid*.

Prerequisites: Completion of at least 3 units of Latin at the 300-level or above, or permission of the department.

LATI 407 Units: 1.5 Hours: 3-0 Imperial Roman Historians and Biographers

Readings from one or more Roman historians and/or biographers who wrote after Sallust and Livy, such as Tacitus, Suetonius, the *Historia Augusta*, and Ammianus Marcellinus.

Prerequisites: Completion of at least 3 units of Latin at the 300-level or above, or permission of the department.

LATI 408 Units: 1.5 Hours: 3-0 Roman Novel

A study of the genre of the novel in ancient Rome. Readings may include Petronius and Apuleius.

Prerequisites: Completion of at least 3 units of Latin at the 300-level or above, or permission of the department.

LATI 410 Units: 1.5 Hours: 3-0 Horace

Readings from one or more of Horace's *Epodes*, *Odes*, and *Epistles*.

Prerequisites: Completion of at least 3 units of Latin at the 300-level or above, or permission of the department.

LAW

Law Faculty of Law

LAW 100 Units: 3.0 The Constitutional Law Process

The basic framework of the Canadian constitutional system. Illustrates that the constitution is the skeletal framework within which the legal system functions. The function of a constitution, the main characteristics of constitutions and Constitutional Law, entrenchment, amendment, the nature and structure of the BNA Act, the division of powers, concurrency in a federal state, the sources of Canadian Constitutional Law, executive power, legislative authority, delegation, the role of the judiciary, civil liberties, developing issues in Constitutional Law.

Note: Full year course: 75 hours.

LAW 102 Units: 2.0 The Criminal Law Process

An introduction to Criminal Law and its process as a means of sanctioning prohibited conduct. Attention is directed to the following matters:

1. The reporting of crime including some discussion of the common characteristics of offenders and offences.

2. The role of the police and the prosecutor in the pretrial portion of the process including such matters as arrest, search and seizure, and the discovery of evidence.

3. The aims and purposes of the Criminal Law and the role of the lawyer in the Criminal Law process.

4. The substantive Criminal Law including the ingredients of criminal offences and the application of the various defences which are available.

5. Theories of punishment and practices of disposition and sentencing of offenders.

Students may be asked to spend up to ten hours in a field experience either in the courts, with police, or in corrections. Students are required to keep a journal in connection with this part of the course.

Note: Full year course: 60 hours.

LAW 104 Units: 1.5 Hours: 4-0 **Law, Legislation and Policy**

Considers the development and interpretation of legislation. The former includes an introduction to institutions, players and procedures involved in the creation and enactment of legislation. The second and the most significant part of the course involves an examination of judicial approaches to interpretation of statutes and subordinate legislation including principles and presumptions of legislative interpretation and judicial challenges to the validity of subordinate legislation.

LAW 106 Units: 1.0 **The Legal Process**

The Legal Process seeks a perspective of the processes of decision making throughout the legal system by examining its major institutions and the function of substantive and procedural law within them. Attempts to provide first-year students with a transactional "overview" of their new discipline in its totality. Provides a background for courses in the second- and third-year program. Introduces students to the institutional structure of the Canadian legal system and, at the same time, provides an analysis of the role of law in society. Presents a variety of components, namely historical, institutional, procedural and philosophical. Topics include the role of law in society, the function of the legal profession, the development of the legal system, the reception of English Law in Canada, the contemporary legal system in British Columbia, the structure of the courts, problems of fact finding and evidence stare decisis, sources of law, the legislative process, administrative tribunals, an introduction to jurisprudential concepts, future trends with respect to the role of law in society, including law reform, legal services, the legal profession, access to the law.

Note: Full year course: 30 hours.

Grading: COM, N, F.

LAW 108 Units: 6.0 **The Private Law Process**

These courses concentrate upon some of the basic rules or processes which regulate the relationships between private citizens. There is an attempt to integrate and interrelate many of the basic concepts normally covered in Contracts, Property, and Torts.

108A (2 units) Contracts (full year).

108B (2 units) Property (full year).

108C (2 units) Torts (full year).

Note: Full year course: 200 hours.

LAW 110 Units: 1.5 **Legal Research and Writing**

Acquaints the first-year student with the variety of materials in the Law Library and provides a knowl-

edge of basic legal research techniques. The use of various research tools, including the computer, is considered. Through a variety of written assignments, the students will become familiar with accepted principles pertaining to proper citation in legal writing and will develop a degree of proficiency in legal writing and research.

Note: Full year course: 45 hours.

LAW 301 Units: 2.0 Hours: 4-0 **The Administrative Law Process**

An investigation of the nature and function of the administrative process with particular reference to the development of tribunals and agencies with a wide variety of disparate functions and interactions with private life. Similarly, investigates the way in which tribunals and courts interact, with specific reference to the judicial arsenal available for the control of administrative behaviour.

LAW 302 Units: 1.5 Hours: 3-0 **Criminal Law II**

Builds naturally upon the first-year course in the Criminal Law Process with specific reference to defences and offences. In-depth study of such matters as conspiracy, attempts, counselling, as well as the substantive offences of homicide, fraud, and contempt of court. Major defences, including double jeopardy, insanity, automatism and self defence will be scrutinized.

LAW 303 Units: 1.5 Hours: 3-0 **Criminal Procedure**

The criminal law is highly procedural in nature; it is frequently in this realm that cases are lost or won. Focus is on the strategy and tactics of criminal procedure, and with its underlying values and goals. Topics considered include arrest and detention, search and seizure, jurisdiction, elections, pretrial motions, jury trials and ethics. Particular attention is paid to how both the Charter of Rights and Freedoms and Parliament continue to reshape this evolving area of law.

LAW 304 Units: 3.0-7.5 Hours: 6-0 **Criminal Law Term**

Provides students with a comprehensive understanding of the criminal process from its inception through the trial process and the corrections system. An intensive immersion program which will consider criminal procedure, sentencing and corrections, substantive criminal law, trial process and the law of evidence. Through a flexibly-designed program, students will consider all the major issues confronting the administration of criminal law.

Note: Only part-time students may enrol for less than 5.5 units. Part-time students are required to consult with the professor before registration in LAW 304 in order to make necessary accommodation arrangements and they are encouraged to complete LAW 302 Criminal Law II and LAW 303 Criminal Procedure before enrolment in LAW 304.

Prerequisites: 309.

LAW 305 Units: 1.5 Hours: 3-0 **Law, Theory and Practices of Sentencing**

Introduces students to the law, theory and practices of sentencing. Provides a brief overview of the historical development of punishment and sentencing, followed by an analysis of the theoretical basis for understanding the aims, purposes and justifications for punishment. Involves a detailed examination of the various sentencing options and the basic principles and rules of sentencing, including the rules governing sentencing hearings.

LAW 307 Units: 1.5 or 2.0 Hours: 4-0 **Civil Procedure**

An inquiry into the functions of a modern procedural system with specific reference to the development of a process which considers the extent to which the

specific system under study aids in the achievement of just, speedy and economic resolutions of justiciable conflicts on their merits. Students will be introduced to the basic structure of a civil action and major items for consideration throughout the development of civil litigation. In the result, such matters as the expenses of litigation, jurisdiction, initial process, pleadings, amendment, joinder, discovery, disposition without trial and alternatives to adjudication will be discussed.

307B (2) Concentration in Drafting.

Note: 1.5 units or 2 units depending upon whether the course includes a concentration in drafting.

LAW 309 Units: 2.0 Hours: 4-0 **The Law of Evidence**

The objective structure and content of the law governing proof of facts in both civil and criminal trials, as well as before administrative tribunals. Rules of evidence respecting burdens of proof and presumptions, competence and compellability of witnesses, corroboration, hearsay, character, opinion evidence and a variety of other topics will be critically examined in the light of objectives of the legal process.

LAW 310 Units: 1.5 Hours: 3-0 **Restitution**

Acquaints the student with the existence and utility of the body of doctrine based upon the principle of preventing "unjust enrichment" and focuses upon the four major grounds upon which a right to restitutionary relief arises: (1) benefits conferred by mistake; (2) benefits conferred in the course of an ineffective transaction; (3) benefits conferred as a result of wrongdoing; and (4) benefits conferred in a non-officious context.

LAW 311 Units: 1.0 Hours: 2-0 **Regulation of Financial Institutions**

The role played by Canadian banks, insurance companies, and trust and loan companies as financial intermediaries and the need for a supervisory framework to protect both the soundness and safety of these institutions and the security of their customers. Topics will include jurisdictional issues, foreign banking, consumer insurance, institutional failures, and multi-national financial service agreements. Focus will be concentrated on the governing legislation, current financial statements, and contemporary issues presented in the business press.

LAW 312 Units: 1.5 Hours: 3-0 **Debtor and Creditor Relations**

Legal aspects of the collection of judgments; use and problems of mechanic's liens; fraudulent transactions, both under provincial and federal law; creditor's arrangements; debtor assistance programs; and bankruptcy.

LAW 313 Units: 1.5 Hours: 3-0 **Securities Regulation**

An overview of the law and policy aspects of securities regulation including the initial distribution of securities, the regulation of secondary market trading, takeover and issuer bid regulation, and the regulation of securities market intermediaries.

LAW 314 Units: 1.0 or 1.5 Hours: 2-0 or 3-0 **Commercial and Consumer Law**

The commercial and consumer law relating to the sale of goods and services, including an examination of the *Sale of Goods Act* and the *Business Practices and Consumer Protection Act*. Students are also introduced to the *Vienna Convention on the International Sale of Goods*. Formerly called Sale of Goods (1.0 to 1.5 units).

LAW 315 Units: 2.0 or 2.5 Hours: 4-0
Business Associations

Analyzes and discusses various legal forms for carrying on trade. Recognizes that the corporation is one of immense commercial and legal significance as an organizational form and will hence stress legislation and materials respecting the modern company. Students will, however, be exposed to the sole proprietorship, partnership and related agency principles.

LAW 316 Units: 2.0 Hours: 4-0
Secured Transactions and Negotiable Instruments

After a brief history of chattel security law, focuses upon the law of secured transactions in personal property at both the consumer level and at the corporate level under the Personal Property Security Acts. Introduces the student to Bank Act security and to the law of negotiable instruments.

LAW 317 Units: 2.0 Hours: 4-0
Real Property Transactions

Adopts a transactional perspective and analyzes the development of a real property transaction from its inception to post-completion problems. Specific reference to listing the property for sale and the responsibilities and obligations of the agent under the Real Estate Act, specific matters relating to the interim agreement, financing of the purchase and assessment of title, as well as preparation of the file for closing. Brief consideration will be given to condominium law and landlord and tenant relations.

LAW 318 Units: 1.5 or 2.0 Hours: 3-0 or 4-0
Remedies

Highlights the interaction between the various substantive areas of private law: torts, property, contract and restitution. Additionally, the interaction between the common law and equity systems will be developed conceptually and historically. Topics include questions regarding damages, specific remedies, restitution, as well as analysis for alternative methods of remedial action through compensation schemes.

LAW 319 Units: 1.5 Hours: 3-0
Trusts

The trust as a mode of disposition of property for the benefit of successive or single beneficiaries, and the contrast is made with absolute dispositions. Comparison is made with other concepts of obligation and property holding. The creation, administration, variation and termination of express trusts are examined, and also the theory and applicability of resulting and constructive trusts.

LAW 320 Units: 1.5 Hours: 3-0
Succession and Estate Planning

The study of testate and intestate succession. The principles of the law of wills, both common law and statutory, and the statutory provisions for the devolution of intestate estates, will be examined. The drafting of wills is a feature of this course. Estate planning involves a general examination of the disposition of assets in life and on death against the background of income, inheritance and gift taxes.

LAW 321 Units: 1.5 Hours: 3-0
Competition Law

Traces the development of competition law from the common law doctrines of restraint of trade through the areas of trademarks and statutory regulation of competitive practices contained in anticompetes and competition law, with an examination of the policy and theory underlying government regulation of restrictive trade practices.

LAW 322 Units: 1.5 Hours: 3-0
Family Law

The institution of the family, both in its social and legal contexts. Specific reference will be had to law relating to marriage, divorce, custody, matrimonial property and the role of the lawyer in the resolution of family problems. Ideally suited to interdisciplinary team teaching in order that the course may helpfully illustrate the impact of legal decision making on the social unit of the family.

LAW 323 Units: 1.5 Hours: 3-0
Refugee Law

The interplay between refugee law and human rights law; the nature of persecution; the meaning of "torture"; gender-based claims; the claims of military deserters and conscientious objectors; internal flight alternative; the exclusion of human rights abusers and criminals from refugee protection; eligibility to make a refugee claim; assessing credibility of refugee claimants; proceedings before the Refugee Protection Division; Pre-Removal Risk Assessments; applications for judicial review; comparative approaches to refugee protection.

LAW 324 Units: 1.0 or 1.5 Hours: 2-0
Children and the Law

The impact of law and legal institutions on children and their relations in society, considering such questions as adoption, affiliation, child protection, juvenile delinquency, custody and access. Attempts to bring the knowledge and expertise of specific, related disciplines to bear upon the development of law and the legal institutions in this area.

LAW 326A Units: 1.5-2.0 Hours: 3-0 or 4-0
The Individual Employment Relationship

The law relating to the individual employment relationship. Covers the legal background and contemporary context of employment, the formation of the employment relationship, the rights and obligations of employers and employees under the contract of employment and protective legislation, the termination of employment and enforcement mechanisms. Although British Columbia is the focus, there is a comparative dimension.

LAW 326B Units: 1.5-2.0 Hours: 3-0 or 4-0
Labour Law

An introduction to labour law focusing on the decisions of courts, arbitrators and administrators in a collective bargaining setting based on legislation. Collective bargaining for public servants and essential services employees under specific legislative regimes. The tension between industrial pluralism and human rights in collective bargaining will be examined.

Note: Credit will be granted for only one of 326B, 326.

LAW 327 Units: 1.5 Hours: 3-0
Jurisprudence

A wide variety of topics may be considered in order to develop a theoretical framework for the purpose and function of law in society. Various schools of jurisprudential thought will be analyzed, including the Natural Law school, the Positivist school, Pure Theory school, the Sociological school, the American and Scandinavian Realist schools as well as Historical and Anthropological Jurisprudence.

LAW 328 Units: 1.5 Hours: 3-0
Also: ES 419
Formerly: ES 450
Green Legal Theory

A seminar that addresses a theoretical basis for environmental law and policy; individual research, presentation and contribution to a collected work on the theme is required. Open to upper-year students in

the Faculty of Law and students with at least fourth-year standing in the Environmental Studies Program.

Notes: - Credit will be granted for only one of 328, ES 419, 450.

- Law students should consult with the instructor prior to enrolment. Environmental Studies students require the permission of the Director of Environmental Studies. Limited enrolment.

LAW 329 Units: 1.5 Hours: 3-0
Environmental Law

This is a foundational course for students interested in environmental law and policy. Students will acquire an overview of recent developments and debates within this area. Topics addressed include federalism and the environment, common law rights and remedies, public participation and judicial review, market mechanisms for environmental protection, endangered species, and trade and the environment. A key focus concerns the extent to which environmental law reflects, or fails to reflect, evolving social and other values.

LAW 330 Units: 1.5 Hours: 3-0
International Law

Public International Law is concerned with the legal relations of states and the individuals who compose them. Explores the way in which sovereign powers choose to govern their interrelationships and analyzes problems which confront them. Topics will include an examination of the international legal system, modes of international law creation and law enforcement as well as the process of international adjudication.

LAW 331 Units: 1.0 or 1.5 Hours: 3-0
International Ocean Law

Introduction to UN Convention on the Law of the Sea as a "constitution of the seas." Canadian perspective of how States regulate, enforce and manage uses of the oceans, including vessel navigation, marine resource exploitation and conservation. Contemporary topics include piracy, high seas driftnet fishing, the Northwest Passage and the "Line of Death."

LAW 332 Units: 1.5 Hours: 3-0
International Trade Law

International trade constitutes a crucial 30% of Canadian economic activity. Explores the major legal and policy aspects of the international trade regime in which the Canadian economy operates. The principal emphasis is upon the General Agreement on Tariffs and Trade (GATT) and Canada's international obligations thereunder, as well as Canada's trade relationship with the United States. A central feature is the attention paid to US trade law, its operation and impact upon Canada.

LAW 333 Units: 1.5 Hours: 3-0
Social Welfare Law

Helps students develop an understanding of the role of law, lawyers, and the legal system in addressing the problem of economic disadvantage. Topics include the origin and development of the Canadian welfare state, case studies of the issues of work, housing and income security, and the practice of poverty law as a strategy for change.

LAW 336 Units: 1.0 or 1.5 Hours: 3-0
Collective Agreements: Negotiation and Arbitration

A study of the negotiation and administration of collective agreements in the private sector. Topics will include labour negotiation theory, bargaining structure, grievance resolution, contract interpretation, individual rights and the role of the Labour Relations Board.

Prerequisites: 326B.

LAW 337 Units: 1.0 or 1.5 Hours: 3-0
Dispute Resolution: Theory and Practice

Examines the forms and functions of major disputing processes - mediation, negotiation and adjudication. These are the processes which are critical to lawyers and other persons concerned with preventing or resolving disputes. Both court adjudication and alternative dispute resolution (ADR) will be studied from the theoretical, critical and practical perspectives. Examines and develops the skills used in various dispute resolution procedures.

LAW 338 Units: 1.5 Hours: 3-0
Mediation and Lawyers

An in-depth and critical examination of the use of the mediation process to resolve a wide variety of substantive disputes involving business, family, criminal, environmental, international, and public policy issues. Provides students with an opportunity to review and evaluate contemporary perspectives on the mediation process and to develop skills that successful mediators employ in helping parties resolve their disputes. Builds on the concepts studied in LAW 337.

Prerequisites: 337.

LAW 339 Units: 1.5 Hours: 3-0
Legal Theory Workshop

An exploration of the interdisciplinary nature of legal studies, considering the contributions of 20th century social theory to legal thought. Topics include analyses of law and legal systems from sociological, economic and philosophical perspectives.

LAW 340 Units: 1.5 Hours: 3-0
Indigenous Lands, Rights and Governance

The major legal issues concerning Indigenous peoples (Indian, Inuit and Métis) in Canada. Explores the development of Canadian case law relative to these groups and its simultaneous preservation and dispossession of Indigenous people's rights. Comparisons will be drawn from other countries dealing with Indigenous Rights. Examines aspects of legal pluralism, and assesses a variety of normative and political justifications for aboriginal rights.

LAW 341 Units: 1.5 Hours: 3-0
Historical Foundations of Aboriginal Title and Government

An introduction to the issues of aboriginal title and self-government in their historical context. The focus is upon common law, constitutional and statutory law in relation to aboriginal title and rights, but reference is also made to the treaty process, reserve lands and hunting and fishing. Although the course deals with all parts of Canada, the emphasis is upon British Columbia.

LAW 342 Units: 1.5 Hours: 3-0
Immigration and Citizenship Law

The laws regulating the admission and removal of foreign nationals to and from Canada; gaining access to Canada permanently - family class, skilled workers, business classes, humanitarian classes; the various Provincial Nominee Programs and the Canada-Québec Accord; temporary admission as a visitor or student and temporary worker; the impact of NAFTA; the processes for excluding and removing foreign nationals on grounds of health, security or criminality; the procedural and substantive criteria that determine citizenship.

LAW 343 Units: 0.5-2.0 Hours: 3-0
Contemporary Issues in Law

Contemporary and problematic legal issues will be examined in the light of existing legal rules, social and related implications, the legal process, and possible reform.

Note: Unit value may vary from 0.5 to 2 units per term. May be taken more than once for credit.

LAW 344 Units: 1.5 Hours: 3-0
Insurance Law

The theory and elements of the practice of insurance law, with reference to the most common forms of both first party and third party insurance: property, life and motor vehicle insurance.

LAW 345 Units: 2.0 Hours: 4-0
Taxation

The basic principles of income tax law including such issues as taxable income, residence income from employment, business or property, and capital gains. Deals in a general way with policy underlying certain aspects of the Income Tax Act and provides an introduction to certain specific provisions of that Act, concentrating primarily on personal income tax law.

LAW 346A Units: 1.0 or 1.5 Hours: 2-0 or 3-0
Advanced Taxation: Corporations

Builds upon the concepts studied in Taxation (345) and is concerned primarily with the Canadian income tax treatment of Canadian corporations and their shareholders.

Note: Credit will be granted for only one of 346A, 346.

Prerequisites: 315, 345.

LAW 346B Units: 1.0 or 1.5 Hours: 2-0 or 3-0
Advanced Taxation: International Taxation

Builds upon the concepts studied in Taxation (345) and is concerned primarily with the international tax system as it functions in respect of Canadian income tax treatment of non-residents (both individuals and corporations) on Canadian source income and tax treatment of foreign source income of Canadian residents. Includes the study of Canada's tax treaties, taxation of Canadian corporations on income of foreign subsidiaries and branches, and other aspects of international taxation.

Prerequisites: 345.

LAW 347 Units: 1.5 Hours: 3-0
Intellectual Property

A study of the concept of intellectual property and the principles and policies of selected areas of intellectual property law, primarily: (a) registered trade marks and related common law provisions and (b) copyright in its categories of "literary," "dramatic," "musical," and "artistic" works and with a focus upon new technologies such as photocopying, videotaping and computer programming. Includes a brief introduction to the law and policies of patents, industrial designs and confidential information. Where appropriate, attention is drawn to the interrelationship and boundary issues between the categories that together comprise the subject of intellectual property.

LAW 348 Units: 1.5 Hours: 3-0
Managing Intellectual Property

A consideration of legal and business strategies in protecting, managing and marketing of technologies of global significance under the rubric of intellectual property. Primary attention is given to computer software in the context of patent, copyright and trade secret law, including confidentiality and non-competition agreements in the market place. General patent law and its application to pharmaceutical and bio-technological commodities is included.

LAW 349 Units: 1.5-3.0 Hours: 3-0
Business Law Clinic

Using a clinical approach, students will apply knowledge gained in LAW 315 Business Associations as they assist small business owners and those who are considering going into business to assess their legal requirements. By working with the Clinic Counsel and with the mentors from the Victoria Bar, students develop practical legal skills and examine the role of the legal profession in the small business environment.

Note: May be taken twice for credit to a maximum of 3 units with the approval of the Associate Dean and the instructor.

Pre- or corequisites: 315.

Grading: COM, N, F.

LAW 350 Units: 3.0-7.5 Hours: 6-0
Clinical Term

Clinical legal education is predicated upon the assumption of a recognized role within the legal system by the law student. The experience gained from the participation in the role becomes the focus for reflection and examinations of substantive legal rules, procedural and strategical positions, and introspective critical analysis of the role of the lawyer in the legal process. This requires a carefully supervised program with manifold opportunities for one to one instructor student supervision and regular group sessions. Programs envisaged would take place in a community law office.

350A - (3.0-7.5) Community Law-Legal Aid Clinic

Note: Only part-time students may enrol for less than 7.5 units. Part-time students are required to consult with the professor before registering for LAW 350 in order to make necessary accommodation arrangements.

Prerequisites: 309.

Grading: COM, N, F.

LAW 352 Units: 3.0-8.0
Exchange Law Term

With the permission of the Dean, or his or her designate, where the Faculty of Law has entered into an exchange program or agreement with another law faculty in Canada or elsewhere, a student may be allowed to enrol in this term, for up to 8 units towards his or her LLB degree at the University of Victoria.

Note: The terms and conditions of a student's enrolment in an exchange term, the number of credits for which the student may be enrolled, and the requirements for successful completion of term are governed by the regulations adopted by the Faculty for this program.

Grading: COM, N, F.

LAW 353 Units: 1.0-2.0 Hours: 3-0
Environmental Law Centre Clinic

An opportunity to study the theory and engage in the practice of public interest environmental lawyering in a supervised clinical setting. Students enrolled in the Clinic provide legal information and assistance to environmental NGOs, community groups and First Nations. They also develop public interest lawyering skills including advocacy through media, client counselling, and case development and management. The class meets for a weekly seminar to discuss ongoing projects and related readings, and to exercise skills. At the end of term, every student will submit for evaluation a major written product prepared for a designated clinic client.

Note: May be taken twice for credit to a maximum of 4 units with the approval of the Associate Dean.

Grading: COM, N, F.

LAW 353A Units: 2.0 Hours: 0-2-2
Environmental Law Centre Clinic - Intensive Stream

Intensive public interest environmental law clinical program in which students are supervised as they assist conservation, community and First Nations organizations with legal representation, advocacy services and advice. Students receive training in client interviewing and counselling, negotiation, file management, professional responsibility and litigation practice and specialized tutorials tailored to each project's specific issues.

334 COURSE LISTINGS

Note: Students are required to enrol in this course twice, in both fall and spring terms of a single academic year.

Corequisites: 353 in both terms in which the student is enrolled in 353A.

Pre- or corequisites: 329.

Grading: COM, N, F.

LAW 354 Units: 1.5 Hours: 3-0 **Forest Law and Policy**

Assesses the record of reform in a variety of areas (including forest tenures, practices, stumpage, cut regulation and land use planning) against the overarching metric of sustainability. A disciplinary approach is used. Considers emerging topics such as forest certification and First Nations forestry.

LAW 355 Units: 2.0 Hours: 4-0 **Legal Skills**

Uses materials from substantive law to examine and develop the skills of the lawyer in interviewing, counselling and negotiating.

Grading: COM, N, F.

LAW 356 Units: 2.0 Hours: 4-0 **Advocacy**

Involves a critical analysis of the trial process including the demonstration and evaluation of various techniques of advocacy and their relationship to the law of evidence and procedure. In particular, the objectives and techniques of pretrial motions, examinations for discovery, examination and cross examination of witnesses, exhibits, and the presentation of legal argument will be considered.

Prerequisites: 309.

Grading: COM, N, F.

LAW 357 Units: 1.5 Hours: 3-0 **Sexual Orientation and the Law**

Explores how the law treats gay, lesbian, bisexual, two spirited, transgendered and queer persons differently than heterosexuals either because of its substantive contents or because of its applications in practice by courts and tribunals. Legal issues will be considered in their historical, social, and political contexts. Some comparative analysis will be included. Particular topics to be considered in depth will be selected by the instructor in consultation with students.

LAW 358 Units: 1.5 Hours: 3-0 **Race, Ethnicity, Culture and the Law**

Examines the interaction between law, race and ethnicity in contemporary Canadian society employing a broad range of perspectives to analyze and debate critically the activities, policies and interactions of legal and social institutions. The continuing existence of personal and institutional racism, its effects on minority individuals and groups, and resistance to it within minority ethnic and cultural communities will also be considered. Topics include: race theory; multiculturalism and nationalism; immigration and refugee policy; intersections of race and gender; employment equity; policing and race; race and ethnicity in the administration of justice; race and the legal profession; and, First Nations justice.

LAW 359 Units: 1.5 Hours: 3-0 **Civil Liberties and the Charter**

Examines the relationship between government and the individual. The major emphasis will be upon the development and protection of civil liberties and human rights in Canada. Reference may also be made to Human Rights Legislation and International Agreements.

LAW 360 Units: 1.5 Hours: 3-0 **The Legal Profession**

Designed to provide students with insights and perspectives into the organization and operation of the

legal profession as a vital institution in the legal process. The class will be asked to consider the legal profession in its social context, its formal organization, its ethical procedures, and the role of the lawyer throughout the legal process. It appears to many that the role of the profession in general is changing. A consideration of this issue is focused upon the legal profession.

LAW 361 Units: 1.5 Hours: 3-0 **Historical Foundations of the Common Law**

The development of English legal systems have had a profound impact on Canada as well. Beginning with 11th century European developments, considers a number of topics, such as Anglo-Saxon England and the Norman Conquest, the development of common law and equity, criminal law and 19th century developments, ending with some analysis of the "reception" of English law in the colonies.

LAW 362 Units: 1.5 Hours: 3-0 **Colonial Legal History: Law, State, Society and Culture in Canada and Australia**

Uses a website for both teaching and communications linking students at UVic, UBC and Australian National University. Offers the study of legal history as a means of understanding the relationships between law, state, society and culture in Canada in comparison and contrast with Australia. These two modern liberal democratic states which previously comprised clusters of British settler colonies, established at different times, for different purposes, during the late 18th and through the 19th century provide a rich setting for examining the growth of colonial legal culture, tensions between imperial governance and settler demand and the competing pressures for centralization and pluralism in law and the administration of justice. The colonies of Upper Canada, Vancouver's Island/British Columbia, New South Wales, and South Australia are the subjects of the most detailed study.

LAW 363 Units: 1.5 Hours: 3-0 **Conflict of Laws**

Seeks to illustrate problems arising out of the interaction of laws and legal systems. Such important questions as choice of law, recognition of foreign judgments, doctrines of domicile and renvoi will be investigated in order to develop an understanding of the choices and values inherent in decision making in this area.

LAW 364 Units: 1.5 Hours: 3-0 **Law, Governance and Development**

In the era of globalization public law reform has become an increasingly important aspect of development. How can developing democracies and post-conflict societies deal effectively with corruption and abuse of power, and establish political stability and sustainable development? Examines the nature and prospects of law and governance in the developing world, focusing mainly on the Commonwealth states of Asia and Africa.

LAW 365 Units: 1.0-4.0 Hours: 2-0 **Legal Mooting**

A student may be awarded credit in the second and third years of the student's program to a maximum of 3 units in either year and 4 units in the student's entire program for supervised participation in moot programs approved by the Dean. Students may not engage in more than one moot competition in the same academic session.

Grading: COM, N, F.

LAW 366 Units: 1.0 or 1.5 Hours: 2-0 **Patent Law**

A study of the principles and practical implications of patent protection in Canada. Discussions will include the fundamental concepts of patentability, validity, in-

fringement and commercial exploitation of patentable technology, ultimately leading to a focus on the Canadian patent growth area of pharmaceutical and biotechnological product and process protection. There will also be a brief comparative view of the United States' and Japanese systems in contrast to the Canadian patent system.

LAW 367 Units: 1.5 Hours: 3-0 **Telecommunications, Entertainment and Media**

A consideration of Canadian telecommunications, entertainment and media law and policy including constitutional and regulatory issues from historical and current perspectives. A number of selected topics will be examined including the convergence of the traditionally distinct "broadcast" and "non-broadcast" functions with each other and with the Internet, promotion of competition as opposed to regulation, the relationship with international trade and globalism and the application of intellectual property, particularly copyright, to the media of communication.

LAW 368 Units: 1.5 Hours: 3-0 **Indigenous Women and the Law**

Examines the unique historical and contemporary place of Indigenous women within the constructs of Canadian law and society. Takes an interdisciplinary approach. Topics canvassed are marital property, colonialism, government, membership, human rights, criminal justice, sexuality, employment and children.

LAW 369 Units: 1.5 Hours: 3-0 **Feminist Legal Theories**

Explores critiques of law and legal reasoning from several feminist perspectives. Topics include feminist critiques of liberal legal theory, anti-racist feminism and legal analysis, feminist epistemologies and legal reasoning, and feminist theories regarding women's relationships to law and to the state.

LAW 370 Units: 1.5 Hours: 3-0 **Law and Society in Southeast Asia**

Introduces, in comparative and socio-legal perspective, the laws and legal systems of SE Asia. The main emphasis is on Indonesia, Malaysia, Singapore, Thailand and Vietnam. Deals comparatively with the principal legal issues of interest in the region, namely legal sources, traditions and institutions; legal pluralism and family law; constitutional reform; and the use of law for economic development.

LAW 371 Units: 1.5 Hours: 0-3 **Global Issues**

Designed to help students develop an understanding of what constitutes a global issue, and how such issues change the nature of state borders. Examines the interrelationships between, and the global significance of, such subjects as democracy, human rights, the rule of law, peace, environmental integrity, trade, economic development and human security.

Note: Open to Law and eligible Dispute Resolution Program students.

LAW 372 Units: 1.5 Hours: 3-0 **Also: DR 503**

Public Policy, Law and Dispute Resolution

Examines a range of issues of governance and justice. Focuses on the interaction of political, legal and administrative institutions and processes as they respond to such pressures as the demand for enhanced representation, public participation and direct democracy, access to justice and alternative dispute resolution, aboriginal self-government, fiscal restraint, public accountability and ethics.

Note: Credit will be granted for only one of 372, DR 503.

LAW 373 Units: 1.5 Hours: 3-0
International Human Rights and Dispute Resolution

Examines the extent to which international law serves as an effective vehicle for the protection of human rights. Explores the nature of civil and political rights and social and economic rights, the rights of women, of Indigenous peoples and ethnic and cultural minorities, and of children. In addition the role of nongovernmental organizations, and the relation between international and domestic legal orders are examined.

LAW 374 Units: 1.5 Hours: 3-0
Law of the European Union

Introduces students to the legal system of the European Union, the law making and judicial processes, and a number of discrete areas where European Union law is particularly advanced, including external relations, competition, human and social rights, environmental law, and free movement of goods, services, capital and persons. While historical and political context will be reviewed, emphasis will be on the founding Treaties, legal structure and instruments, case law, and process.

LAW 375 Units: 1.5 Hours: 3-0
Law, Constitutionalism and Cultural Difference

Explores the justifications and institutional options for cultural accommodation in law, legal interpretation, and constitutional structure. Theoretical arguments for and against cultural accommodation, and an examination of how those arguments might be translated into institutional form will be considered. Contexts include the constitutions of culturally diverse societies, Indigenous self-government, separate schools, and the international protection of human rights.

LAW 376 Units: 1.5 Hours: 3-0
International Environmental Law

Develops a practical and theoretical understanding of the development and current state of international environmental law (IEL). Treats IEL as a diverse form of regime-based global governance that embodies both regulations and a complex array of institutional arrangements. Provides a general background to the field, an understanding of diverse sectoral regimes, and a theoretical approach that can inform and crosscut these regimes.

LAW 377 Units: 1.5 Hours: 3-0
International Commercial Law and Arbitration

Introduces students to international commercial law and arbitration, including arbitral agreements, applicable law, the enforcement of arbitral awards and arbitrations involving state parties. Particular attention is paid to the international regulation of corporate conduct and critically examining the role international commercial law and arbitration plays in the process of globalization.

LAW 378 Units: 1.5 Hours: 3-0
Equality, Human Rights, and Social Justice Law

Examines the role of law and of legal conceptions of equality in struggles by equity seeking groups and individuals for social justice in Canada. Topics covered include the relation of social movements to law and social change. Charter equality rights and strategic litigation, the institutional and jurisprudential frameworks of domestic human rights law, and critical theoretical debates pertaining to anti-discrimination law.

LAW 379 Units: 1.5 Hours: 3-0
Law and Religion

Explores historical, contemporary, and conceptual relationships between law and religion. Takes an interdisciplinary approach, engaging legal, theoretical, and historical sources. Considers topics such as the role of religion in the development of the Western le-

gal tradition, constitutional protection of religion, religion and equality, religion and legal pluralism, religion and public decision-making, and contemporary controversies in law and religion. Primary focus on Canadian setting with some attention to other national traditions and international issues.

LAW 381 Units: 1.5 Hours: 3-0
Animals, Culture and the Law

Introduction to posthumanist studies and their legal applications. Canvasses multiple theoretical approaches supporting animal advocacy and investigates their application to a number of current legal and cultural controversies regarding human-animal relations. Examines the cultural meanings of the terms "human", "animal" and "species". Links with differences such as race, gender, culture and class are explored. Current legal proposals to change animals' property status also considered.

LAW 388 Units: 1.5 Hours: 3-0
Advanced Legal Research and Writing

Builds upon the research and writing skills learned in the first year. Students will explore a wide range of research sources, both legal and nonlegal, including computer assisted legal research. Students will analyze various types of legal writing. The importance of context, organization and audience in legal writing will be stressed. Parts, sections or clauses of written documents will be analyzed, evaluated, criticized, edited and rewritten to improve and develop the students' analytical and writing skills.

LAW 389 Units: 1.0-2.0
Appeal - Review of Current Law and Law Reform

UVic Law's legal journal offers students the opportunity to participate, as members of the editorial board, in the production of a legal review. Students involved are responsible for running all aspects of the journal. In addition, each student is to prepare and submit a paper for possible publication. The editorial board is chosen by a committee. Applications for editorial board membership are accepted during the spring balloting period. Despite the absence of formal prerequisites, Appeal encourages interested students in their first year to become involved with the journal through volunteer work.

Note: With the approval of the Dean or the Dean's nominee: (1) a student may be given credit for this course twice to a maximum of 4 units, and (2) in exceptional circumstances the course may be taken for only 1 unit. Maximum enrolment: 10.

Grading: COM, N, F.

LAW 390 Units: 0
Major Paper Requirement

In order to complete the Major Research Paper requirement for the LLB degree, a student must enrol in LAW 390. A student must obtain (written) permission of a full-time faculty member who has agreed to supervise the student's Major Research Paper in the context of an existing course within the Faculty. The grade assigned to the Major Research Paper will be the grade of record for LAW 390. However, LAW 390 is a non-credit course. Credit for the Major Research Paper is given only in the context of the course in which the Major Research Paper is completed.

LAW 391 Units: 1.0-2.0 Hours: 2-0
Supervised Group Project

Upper-year students may undertake a program of supervised group study as a basis for working through some common interest in law. Groups will ordinarily have a maximum of twelve members. They will be formed on the students' initiative but will require the agreement of a faculty member to act as the project supervisor. Students who are contemplating the formation of a group are responsible for designing a project proposal and securing a faculty supervisor.

They should discuss their plans with the Dean or Associate Dean as early as possible in the academic year prior to the year in which the project will be undertaken so that the necessary planning can be done and approval secured. All group projects require the written approval of the Dean and may be allowed to extend over two terms. In exceptional circumstances and with the written approval of the Dean, group members may enrol in the course for differing credit values depending on the level of their participation in the project provided that the unit value for each student is determined prior to his or her enrolment in the course.

Note: May be taken more than once for credit to a maximum of 4 units with permission of the Associate Dean.

LAW 399 Units: 1.0-4.0
Supervised Research and Writing

During either of the second or third years of a student's program, a student may undertake a substantial research and writing project on a legal subject approved by a member of the Faculty of Law who agrees to supervise the project. With the approval of the Dean or the Dean's nominee: (1) a student may be awarded credit for two separate supervised research papers provided that the total credit does not exceed 4 units and each paper is started and completed in separate terms; (2) this course may be extended over two terms; and (3) this course is to be taken for 1 unit only.

LING**Linguistics**
Department of Linguistics
Faculty of Humanities

*Courses marked * are acceptable for either the BA or the BSc degree.*

LING 099 Units: 0 Hours: 3-0
English as a Second Language

A non-credit course in composition skills for students whose native language is not English - see page 30 for regulations governing such students. Students who do not pass this course will be required to repeat the course in the following term.

Note: 3 fee units. May be repeated for a total of four terms.

Prerequisites: Qualifying score on LPI.

Grading: COM, N, F.

LING 100A Units: 1.5 Hours: 3-0
Formerly: half of 100**Introduction to Linguistics I**

An introduction to the subject matter of language and linguistics. Topics studied will include the nature of language through an overview of sound systems, word structures, writing systems, meaning and lexical sets, and sentence structure.

Note: Credit will be granted for only one of 100A, 100, 360, 362. Knowledge of a language other than English not necessary.

LING 100B Units: 1.5 Hours: 3-0
Formerly: half of 100
Introduction to Linguistics II

A more detailed examination of the topics covered in 100A as applied to the study of language in society, and language and mind. Ancillary topics may include trade languages, languages of British Columbia, dialectology, language evolution, deaf communication, and language acquisition.

Note: Credit will be granted for only one of 100B, 100, 360, 362.

Prerequisites: 100A or equivalent.

LING 110 Units: 1.5 Hours: 3-0
Language and Thought

Does the language we speak control or influence the way we think? Explores the nature and origins of language; the psycholinguistic evidence for relationships between cognitive and linguistic structures; possible interactions between language processes and thought processes; the role of perceptual categories and folk science in cognitive mapping.

LING 159 Units: 1.5 Hours: 3-0
First Nations Language I

Provides instruction in a First Nations language at the introductory level.

Note: *May be taken more than once for credit with permission of a faculty adviser. Except by permission of the department, may be taken only by students in the Developmental Standard Term Certificate program in Education or the Certificate Program in Aboriginal Language Revitalization. May not be counted towards an Honours, Major, General, or Minor program in Linguistics or Applied Linguistics, or towards a Diploma in Applied Linguistics.*

Grading: COM, N, F.

LING 172 Units: 1.5 Hours: 3-0
Introduction to the Languages of British Columbia

An examination of the Indigenous languages of British Columbia, focusing on unique features. Also considered are techniques for language study from written materials and with elders, and the revitalization of local languages.

LING 180A Units: 1.5 Hours: 3-0
Formerly: part of 180
Human Effects of Aboriginal Language Shift and Loss

Provides an introduction to the human dynamics associated with Aboriginal language shift and language loss, including the profound psychological, intellectual and spiritual effects on individuals, families, communities and cultures.

Notes: - *Credit will be granted for only one of 180A, 180.*

- *Registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization.*

LING 180B Units: 1.5 Hours: 3-0
Formerly: part of 180
Issues, Principles and Best Practices in Language Revitalization

Introduces contemporary issues, principles and best practices in the revival, maintenance and revitalization of Indigenous languages in Canada and around the world; explores factors influencing language maintenance, loss and revival and their social and political contexts.

Notes: - *Credit will be granted for only one of 180B, 180.*

- *Registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization.*

LING 181 Units: 1.5
Introductory Linguistics for Language Revitalization

An introduction to topics in the study of language and linguistics that provide a foundation for understanding language revitalization. Topics include the nature of sound systems and how they relate to orthographies, word structures and dictionaries, sentence structures and understanding texts, meaning and vocabulary, linguistic aspects of language acquisition and historical change. Helps develop understanding of the languages targeted for revitalization, and provides exposure to linguistic concepts and reference materials.

Note: *Offered in a Summer Institute format and registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization.*

LING 182 Units: 1.5
Language Learning and Teaching in Situations of Language Loss

An analysis of principles of language learning and language acquisition in situations of language loss, and an examination of appropriate ways in which a range of formal and informal approaches to language teaching can be utilized in aboriginal community settings. Topics include forms of language acquisition, teaching and learning strategies, how strategies are related to community needs and goals, and the role of community and community members in teaching and learning.

Note: *Offered in a Summer Institute format and registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization.*

LING 183A Units: 1.5 Hours: 3-0
Formerly: part of 183
Field Methods for Language Preservation and Revitalization: Documentation and Recording

An examination of planning strategies, protocols, and methods of data collection, analysis, and organization appropriate for field activities associated with language preservation and revitalization. Focus on: elicitation methodologies; audio recording; digital file management; strategies for community involvement, protocols, ethical and intellectual property issues.

Notes: - *Credit will be granted for only one of 183A, 183.*

- *Registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization.*

LING 183B Units: 1.5 Hours: 3-0
Formerly: part of 183
Field Methods for Language Preservation and Revitalization: Project Development

An examination of project planning and development appropriate for field activities associated with language preservation and revitalization. Topics include interview and language-data recording methods, language documentation and database development, building an archive, approaches to sharing information, media production, publishing and media production models. Strategies for community involvement, project planning, protocols and ethical intellectual property issues are implemented through projects.

Notes: - *Credit will be granted for only one of 183B, 183.*

- *Registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization.*

LING 184 Units: 1.5
Aboriginal Language Materials Development

Preparation and evaluation of curriculum and classroom materials for teaching Aboriginal languages. Theory and application of curriculum development to immersion/language programs: designs, organizational patterns, materials, and media, change strategies, and evaluation. Micro-teaching will provide practice in the teaching methods under study.

Note: *Registration in this course is normally limited to students in the Certificate Program in Aboriginal Language Revitalization. Normally offered off-campus.*

LING 185 Units: 1.5 or 3.0
Aboriginal Language Revitalization Practicum

An intensive 70 or 140 hour work/study under the mentorship of an Elder or fluent speaker to increase fluency and/or to develop understanding of local language preservation and revitalization issues and strategies. Choice of mentor requires faculty approval. Practicum will focus on local language revital-

ization program planning and collaboration with local language workers.

Subject to the "Guidelines for Ethical Conduct" and "Regulations Concerning Practica."

Note: *Registration in this course is normally limited to students in the Certificate Program in Aboriginal Language Revitalization. Normally offered off-campus.*

Grading: INP, COM, N, F.

LING 186 Units: 1.5
Language in First Nations Culture

An intensive examination of the ways in which language is embedded in the cultural heritage and social context of a selected community, with a focus on oral history, including legends, song, dance, and cultural practices, methods, and protocols, along with the impacts and implications of social change on language.

Note: *Normally delivered in community settings to both students in the Certificate Program in Aboriginal Language Revitalization and non-credit participants with a focus on the language and culture of the community.*

LING 187 Units: 1.5
Special Topics in Language Revitalization

An intensive study of some aspect of language preservation and/or revitalization. Content may vary.

Note: *Registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization. May be taken more than once for elective credit in the Certificate in Aboriginal Language Revitalization with approval of the academic adviser. Normally offered off-campus.*

LING 195 Units: 1.5 Hours: 3-0
Grammar in Society

An examination of the ideal of "good grammar" and its role in society. Topics include: origins and sources of traditional ideas of "good grammar," challenges to traditional views, the role of arbiters of grammar, grammar and the changing media, (sub)cultures and grammar, grammar and the marketplace.

LING 200 Units: 1.5 Hours: 3-0
Formerly: 250 and 251
Introduction to Phonetics and Phonology

Introduction to the phonetic properties of speech sounds and their organization into sound systems. Practice in recognizing, transcribing, and describing sounds. Basic principles and methods of phonological analysis and theory.

Note: *Credit will be granted for only two of 200, 250, 251.*

Prerequisites: 100A.

LING 203 Units: 1.5 Hours: 3-0
Formerly: 252; 210B; parts of 210 and 230
Introduction to Morphology and Syntax

Introduction to word structure (morphology) and sentence structure (syntax). Practice in analyzing words and sentences; introduction of elements of morphological and syntactic theories.

Note: *Credit will be granted for only one of 203, 210, 210B, 252.*

Pre- or corequisites: 100A.

LING 259 Units: 1.5 Hours: 3-0
First Nations Language II

Provides instruction in a First Nations language at the second-year level.

Note: *May be taken more than once for credit with permission of a faculty adviser. Except by permission of the department, may be taken only by students in the Developmental Standard Term Certificate program in Education or the Certificate Program in Aboriginal Language Revitalization. May not be counted towards an Honours, Major, General, or Minor program in*

Linguistics or Applied Linguistics, or towards a Diploma in Applied Linguistics.

Prerequisites: 159.

Grading: COM, N, F.

LING 260 Units: 1.5 Hours: 3-0

Also: PAAS 289

Formerly: JAPA 260

Introduction to the Japanese Language and Linguistics

Introduces the synchronic and diachronic descriptions of Japanese. Subjects covered may include: phonology, morphology, syntax, semantics, historical changes, poetics, dialectology, orthography, the sociolinguistic and psycholinguistic aspects of Japanese, the relationship between Japanese language, thought, and culture, and the history of Japanese linguistics.

Notes: - Credit will be granted for only one of 260, JAPA 260, PAAS 289.

- Previous knowledge of Japanese not necessary.

LING 261 Units: 1.5 Hours: 3-0

Also: PAAS 279

Formerly: CHIN 261

Introduction to Chinese Language and Linguistics

Introduces the synchronic and diachronic descriptions of Chinese. Subjects covered may include phonology, morphology, syntax, semantics, historical changes, poetics, dialectology, orthography, the sociolinguistic and psycholinguistic aspects of Chinese, the relationship between the Chinese language, thought, and culture, and the history of Chinese linguistics.

Notes: - Credit will be granted for only one of 261, CHIN 261, PAAS 279.

- Previous knowledge of Chinese not necessary.

LING 290 Units: 1.5 Hours: 3-0

Writing Systems of the World

Concerns the four origins of writing and subsequent evolution, the differences among logographic, syllabic and alphabetic systems, and the characteristics of a good writing system. Brief consideration is given to spelling conventions and calligraphy.

LING 300 Units: 1.5 Hours: 3-0

Formerly: part of 383

Auditory and Perceptual Phonetics

A study of the perception of speech sounds from an auditory, articulatory, and acoustic point of view. Expands on the phonetic content of LING 200 to cover advanced speech sound recognition and production, and introduces students to topics from the speech perception and neurophonetics research literature.

Note: Credit will be granted for only one of 300, 383.

Prerequisites: 200.

LING 325 Units: 1.5 Hours: 3-0

Lexical Semantics

An introduction to the linguistic analysis of word meaning, its representation, and its effects on syntax. Topics may include sense relations among words (antonymy, hyponymy, synonymy), lexicalization patterns, lexical aspect, thematic roles and argument structure.

Prerequisites: 100A.

LING 326 Units: 1.5 Hours: 3-0

Formerly: part of 226 and 426

Meaning in Language

Investigates topics in linguistic theories of sentence meaning, including relations between sentences (entailment, presupposition, conversational implicature), tense, aspect, modality, quantification and pronominalization.

Note: Credit will be granted for only one of 326, 226, 426.

Prerequisites: 100A.

LING 330 Units: 1.5 Hours: 3-0

Formerly: part of 230

Linguistic Typology

A cross-linguistic survey of syntactic and morphological structures and current approaches to language universals and typology.

Note: Credit will be granted for only one of 330, 230.

Pre- or corequisites: 200, 203.

LING 341 Units: 1.5 Hours: 3-0

Also: SLAV 341

Seminar in a Slavic Language

An exploration of the history and structure of a Slavic language not offered otherwise in the Department of Germanic and Slavic Studies. Depending upon demand, a different language will be treated in each given year. Languages offered at present are: Polish and Ukrainian.

Notes: - Credit will be granted for only one of 341, SLAV 341.

- May be taken more than once for credit (in different languages) for a maximum of 3 units.

Prerequisites: A previous course in Linguistics or permission of the department.

LING 359 Units: 1.5 Hours: 3-0

First Nations Language III

Provides instruction in a First Nations language at the third-year level.

Note: May be taken more than once for credit with permission of a faculty adviser. Except by permission of the department, may be taken only by students in the Developmental Standard Term Certificate program in Education or the Certificate Program in Aboriginal Language Revitalization. May not be counted towards an Honours, Major, General, or Minor program in Linguistics or Applied Linguistics, or towards a Diploma in Applied Linguistics.

Prerequisites: 259.

LING 361 Units: 1.5, formerly 3 Hours: 3-0

Anthropological Linguistics

Cultural linguistics, presented in a general, cognitive model that can serve as an ethnographic tool and encompass the great range of linguistic phenomena that anthropologists commonly encounter in fieldwork.

LING 364 Units: 1.5 Hours: 3-0

Languages in the Pacific Area

A survey of languages spoken on the islands of the Pacific Ocean (Indonesia, Philippines, Melanesia, Micronesia and Polynesia), their genetic relationships and area groupings; specific languages and families are selected for more detailed discussion, illustrating issues of relevance in linguistic theory and analysis, applied linguistics and sociolinguistics.

Note: Credit will be granted for only one of 364, PACI 364.

Prerequisites: None; 100B recommended.

LING 370A Units: 1.5 Hours: 3-0

Also: PSYC 370A

Formerly: 370

Psycholinguistics

Offered in collaboration with the department of Psychology. The psychology of language, examining the process of comprehension and production, including language and cognition, conversational discourse, and inference and semantics, among other topics.

Note: Credit will be granted for only one of 370A, 370, PSYC 370, PSYC 370A.

LING 370B Units: 1.5 Hours: 3-0

Also: PSYC 370B

Formerly: 369

Developmental Psycholinguistics

Offered in collaboration with the department of Psychology. The biological bases of language; the stage by stage acquisition of the phonology, morphology, syntax, and semantics of the child's first language; the child's developing metalinguistic abilities; and the child's growing awareness of the form and function of speech acts, as well as the discourse rules governing conversations.

Note: Credit will be granted for only one of 370B, 369, PSYC 369, PSYC 370B.

LING 372 Units: 1.5 Hours: 3-0

Native Languages of British Columbia

Survey of the semantic, phonological, morphological, and syntactic structure of languages belonging to five different language families of British Columbia, and hypotheses of their history.

Prerequisites: 200 and 203; or 251 and 252.

LING 373 Units: 1.5 Hours: 3-0

Second Language Acquisition

An examination of the process of acquiring a second or additional language. Topics include the nature of learner language, individual differences in language acquisition, the role of input and interaction, similarities and differences in L1 and L2 acquisition, instructed acquisition and the relationship between acquisition research and second language teaching.

Prerequisites: A previous course in Linguistics or registration in the Diploma in Applied Linguistics.

LING 374 Units: 1.5 Hours: 3-0

Approaches and Methods in Language Teaching

An introduction to approaches, methods, and techniques in language teaching. Addresses issues such as curriculum development, lesson planning, instructional strategies for teaching different language skills including listening, speaking, reading, writing, grammar and vocabulary, and the use of classroom materials for language teaching. Active classroom observation is a required component of this course.

Contains an element of Practicum and is thus subject to the "Guidelines for Ethical Conduct" and "Regulations Concerning Practica" (page 141).

Prerequisites: A previous course in Linguistics or registration in the Diploma in Applied Linguistics.

LING 375 Units: 1.5 Hours: 3-0

Issues in Applied Linguistics

Current issues in applied linguistics with theoretical and practical significance for second and foreign language teaching. Topics will vary, but will normally include language assessment, interactive and sociocultural approaches to language teaching and learning, form-focused instruction and literacy, classroom discourse and pragmatics.

Prerequisites: 373, 374.

LING 376 Units: 1.5 Hours: 2-1

Seminar and Practicum in Applied Linguistics

Contemporary issues in second language teaching and acquisition. Participation in seminars and successful completion of the practicum, including assignments by the sponsor teacher and the supervising instructor, and the student's practicum report, is required. Subject to the "Guidelines for Ethical Conduct" and "Regulations Concerning Practica" (page 141).

Note: Registration is limited to Applied Linguistics students or by permission of the department. Students with credit in 374 prior to 2004-2005 must consult the instructor to arrange for second language classroom observation.

Prerequisites: 373.

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Pre- or corequisites: 375.

Grading: INP; letter grade.

LING 377 Units: 1.5 Hours: 3-0 Minority Language Issues

Political, social, economic, and historical issues involved in loss of ancestral languages, for immigrants and for aboriginal societies around the globe. Language revitalization and language planning are addressed through the study of historical and contemporary programs for language revitalization among First Nations of the Americas, the Pacific, Europe and Africa. The influences of contemporary language policy and educational concerns are also examined.

Note: Open to students who have credit in LING 377 taken between 1979-81.

LING 378 Units: 1.5 Hours: 3-0 Contrastive Linguistics

An introduction to the contrastive study of languages with respect to their phonological, morphological, syntactic and semantic systems. Special attention is also given to factors related to language learning situations, with reference to transfer and interference from the mother tongue. The language selected to be compared with English will vary from year to year.

Note: May be taken more than once for credit in different target languages.

Prerequisites: A previous course in Linguistics.

LING 380 Units: 1.5 Hours: 2-2 Acoustic Phonetics

A study of the acoustical properties of speech sounds including the basic physical principles involved in the generation and propagation of sound energy and the phenomenon of resonance; students are introduced to experimental instruments and trained in the use of the sound spectrograph for the analysis of speech sounds.

Prerequisites: 200, 250 or equivalent.

LING 381 Units: 1.5 Hours: 3-0 Physiology of Speech Production

The physiology of the human speech production and hearing mechanisms including aspects of the respiratory, laryngeal, pharyngeal, and supralaryngeal articulatory systems, speech-sound processing by the ear, and neurological control systems.

Prerequisites: 200, 250 or equivalent.

LING 382 Units: 1.5 Hours: 3-0 Experimental Phonetics

An expansion on topics covered in LING 380. Emphasis is placed on the design of phonetic and phonological experiments using electronic systems and introducing computer technology for speech analysis.

Prerequisites: 380.

LING 386 Units: 1.5 Hours: 3-0 Intonation, Rhythm, Stress and Tone

Detailed analysis of the stress and intonation patterns of English and their relationship to grammatical functions; phonetic descriptions of rhythm and voice quality are practised and used to analyze speech in various languages.

Pre- or corequisites: 200 or 250.

LING 387 Units: 1.5 Hours: 3-0 Task-based Second Language Instruction

Introduces task-based language instruction in second language learning. Examines recent theory and research and considers key issues relevant to this approach. Emphasis will be on the pedagogical implications and implementation of task-based instruction in the classroom.

Prerequisites: 373.

LING 388 Units: 1.5 Hours: 3-0 An Introduction to the Grammar of English Usage

A basic functional treatment of the grammar of English, with special emphasis on standard Canadian English usage. The parts of speech and their functional relations will be examined.

LING 389 Units: 1.5 Hours: 3-0 Literacy Considerations in Second Language Reading and Writing

Examines key issues related to the acquisition of second language reading and writing and the application of theory to classroom practice as it relates to the teaching of these skills.

Prerequisites: 373.

LING 390 Units: 1.5 Hours: 3-0 The Growth of Modern English

The linguistic history of the English language from its Proto-Indo-European origins to the 18th century. Topics include the causes of language change, the development of the phonological, morphosyntactic and lexical systems of English, and the significance of social and regional dialects.

Note: Credit will be granted for only one of 390, ENGL 390, ENGL 440.

Prerequisites: A previous course in Linguistics or registration in the Diploma in Applied Linguistics.

LING 392 Units: 1.5 Hours: 3-0 Canadian English and Dialectology

An examination of the methods used to research and analyze regional and social dialects, with a focus on research on Canadian English. The distinctive features of Canadian English vocabulary, grammar and pronunciation will be examined along with an overview of the historical factors that have given rise to those features.

Prerequisites: A previous course in Linguistics or registration in the Diploma in Applied Linguistics.

LING 395 Units: 1.5 Hours: 3-0 Sociolinguistics

A study of language in its social context, covering aspects of linguistic variation within and across speech communities. Topics may include language and class, gender, age, situation and ethnicity; languages in contact (pidgin and creole languages), codeswitching and standardization; rules of conversation and respectful address; societal features of language change.

Prerequisites: A previous course in Linguistics.

LING 396 Units: 1.5 Hours: 3-0 Also: PAAS 399 Formerly: JAPA 396

Sociolinguistic Issues in Japanese

Examines a wide range of sociolinguistic topics, including non-verbal communication and types of Japanese spoken outside of Japan. Attention will be given to linguistic, dialectal, and stylistic variation in speech communities, and to sociolinguistic considerations such as class, gender, and social setting.

Note: Credit will be granted for only one of 396, JAPA 396, PAAS 399.

LING 397 Units: 1.5 Hours: 3-0 Issues in Cross-Cultural Communication

Explores how "we" view ourselves and others, as well as how others view us, enabling students to develop understanding of principles and problems involved in entering into communication with individuals from different backgrounds. Students develop an appreciation of linguistic interactions and the skills necessary to eliminate the barriers created by linguistic and supra-linguistic misunderstandings.

LING 398 Units: 1.5 Hours: 3-0 Language and Gender

A study of the relationship between gender and language use, including the constructs of language and gender in non-English speaking cultures, the history of gender-specific language in English, gender and the language of power and solidarity, the pragmatics of "politically correct" language, and issues in verbal and non-verbal communication relating to gender socialization.

Note: A previous course in Linguistics is desirable.

LING 401 Units: 1.5 Hours: 3-0 Formerly: 201 Salish

An introduction to the linguistic structures of the Salish family of languages, one of the major language families in British Columbia. May focus on a particular Salish language, and will include discussion of oral and written literature and related cultural topics. Language revitalization among Salish language communities will be discussed.

Note: Credit will be granted for only one of 401, 201.

May be taken more than once for credit to a maximum of 3 units, with permission of the department.

Prerequisites: Third-year standing.

LING 403 Units: 1.5 Hours: 3-0 Dene (Athabaskan)

An introduction to the linguistic structures of the Dene (Athabaskan) family of languages, one of the major language families of British Columbia. Offers a survey of Dene language structures, and includes discussion of oral and written literature and related cultural topics. Language revitalization among Dene language communities will be discussed.

Note: May be taken more than once for credit to a maximum of 3 units, with permission of the department.

Prerequisites: Third-year standing.

LING 405 Units: 1.5 Hours: 3-0 Wakashan

An introduction to the linguistic structures of the Wakashan family of languages, one of the major language families in British Columbia. May focus on a particular Wakashan language, and will include discussion of oral and written literature and related cultural topics. Language revitalization among Wakashan language communities will be discussed.

Note: May be taken more than once for credit to a maximum of 3 units, with permission of the department.

Prerequisites: Third-year standing.

LING 409 Units: 1.5 Hours: 3-0 Formerly: 407, 408 Morphology

Issues and current theoretical models used to account for the generation of words. Topics will include identification and classification of morphemes, inflectional and derivational morphology, the nature of lexical representations, and other components of grammar. Topics focus on morphophonology or morphosyntax depending on the instructor.

Notes: - Credit will be granted for only one of 409, 407, 408.

- Students with credit in 407 or 408 require permission of the department.

- May be taken more than once for credit with permission of the department.

Prerequisites: 200 and 203; or 251 and 252.

LING 410A Units: 1.5 Hours: 3-0
Syntax

Emphasizes syntactic analysis and argumentation in the description of the major structures of English using an extended phrase structure model.

Prerequisites: 203; or 230, 251 and 252.

LING 410B Units: 1.5 Hours: 3-0
Advanced Syntactic Analysis

Surveys current issues in syntactic theory with particular emphasis on contemporary theories and cross-linguistic analysis.

Prerequisites: 410A.

LING 420 Units: 1.5 Hours: 3-0
Historical and Comparative Linguistics

Introduces historical and comparative linguistics with a focus on the principles of language change through time, and the methods used to study it. Examples are taken from both Indo-European and non-Indo-European languages.

Prerequisites: 200 and 203, or 230 and 251.

LING 431 Units: 1.5 Hours: 3-0
History of First Nations Language Research in British Columbia

Perspectives on the history of research concerning First Nations languages of BC. Focuses on community-based initiatives in the context of the impact of church, government, and university policies and personnel.

Prerequisites: A previous course in Linguistics and third-year standing.

LING 438 Units: 1.5 Hours: 3-0
Second Language Phonology

Examines the phonetic and phonological systems of interlanguage; explores contemporary theories of L2 phonological acquisition; develops skills in phonological description and analysis.

Note: Credit will be granted for only one of 438, 440 (if taken prior to 2010 Winter).

Prerequisites: 200.

LING 440 Units: 1.5 Hours: 3-0
Generative Phonology

Description of sound systems using procedures and theoretical bases of generative phonology. Intended for students who have had an introduction to phonology and who wish to learn language description using distinctive sound features, notational conventions, and rule interaction formalisms.

Prerequisites: 200.

LING 441 Units: 1.5 Hours: 3-0
Advanced Phonological Analysis

Surveys current issues in the analysis of phonological phenomena with particular emphasis on contemporary theories, including generative (rule-based and constraint-based) as well as non-generative approaches, and on cross-linguistic properties.

Prerequisites: 440.

LING 449 Units: 1.5 Hours: 3-0
Directed Readings in Linguistics

Note: Open only to Major and Honours students with a minimum GPA of 6.5 in Linguistics courses, or by permission of the department.

LING 450 Units: 1.5 Hours: 3-0
Seminar in Languages

Grammatical investigation of a language other than English. The language focus and approach will vary depending on the instructor, and may involve contrastive analysis with another language.

Note: May be taken more than once for credit in different topics to a maximum of 3 units, with permission of the department.

Prerequisites: 200 and 203; or 230, 251 and 252; or permission of the department.

LING 459 Units: 1.5 Hours: 3-0
First Nations Language IV

Provides instruction in a First Nations language at the fourth-year level.

Note: May be taken more than once for credit with permission of a faculty adviser. Except by permission of the department, may be taken only by students in the Developmental Standard Term Certificate program in Education or the Certificate Program in Aboriginal Language Revitalization. May not be counted towards an Honours, Major, General, or Minor program in Linguistics or Applied Linguistics, or towards a Diploma in Applied Linguistics.

Prerequisites: 359.

LING 460 Units: 1.5 Hours: 3-0
Also: PAAS 489**Advanced Japanese Syntax**

Surveys current issues in Japanese syntax (and its interfaces with phonology and semantics) and syntactic theory, with a particular emphasis on principles and parameters for cross-linguistic variation and universals.

Note: Credit will be granted for only one of 460, PAAS 489.

Prerequisites: 203 or 260 or JAPA 260 or PAAS 289.

LING 461 Units: 1.5 Hours: 2-2
Linguistic Field Methods

An introduction to the methods of data analysis, organization, and collection required in the field situation. Language chosen for illustration may vary from year to year. The department has a particular interest in North American Indigenous languages.

Note: May be taken more than once for credit in a different language, with permission of the department.

Pre- or corequisites: 440, 410A.

LING 482 Units: 1.5 Hours: 3-0
Formerly: part of 481**Computational Linguistics: An Introduction**

An introduction to computational methods and concepts in natural language processing and analysis. The principle objective is to develop the knowledge to apply these methods and concepts in other areas of linguistics.

Note: Credit will be granted for only one of 482, 481.

LING 483 Units: 1.5 Hours: 3-0
Formerly: part of 481**Computational Linguistics: Quantitative Methods**

An introduction to quantitative methods in the study of natural language, including the application of probability theory in models of linguistic processes and statistical methods in the analysis of linguistic data. Emphasis is on developing the knowledge to evaluate reports of research wherein quantitative methods have been employed.

Note: Credit will be granted for only one of 483, 481.

Prerequisites: 482. A previous course related to phonetics or dialectology recommended.

LING 484 Units: 1.5 Hours: 3-0
Computational Linguistics: Grammars

Computational methods and concepts applied to natural language grammars. The focus is on how sentence analysis processes based on different theories of grammar model the computational resources of the human language processing system.

Prerequisites: 203 or 252; and 481 or 482.

LING 495 Units: 1.5 Hours: 3-0
Language Variation and Change

An introduction to linguistic variation and its social significance, especially the quantitative study of phonological and grammatical features and their correlations with age, sex, ethnicity and other social variables. Includes field methods, quantitative methods for correlating linguistic and social variables and practice in dialect analysis based on data from the speech community.

Prerequisites: 200, 203.

LING 499 Units: 3.0 Hours: 3-0
Honours Thesis

The Honours thesis is to be based on supervised research carried out by the student during the final year. The recommended style and format of the Honours thesis are the same as those stipulated for graduate theses.

MATH**Mathematics**

Department of Mathematics and Statistics
Faculty of Science

MATH 100 Units: 1.5 Hours: 3-0-1
Calculus I

Review of analytic geometry; functions and graphs; limits; derivatives; techniques and applications of differentiation; antiderivatives; the definite integral and area; logarithmic and exponential functions; trigonometric functions; Newton's, Simpson's and trapezoidal methods.

Notes: - Credit will be granted for only one of 100, 102.

- See notes 1, 2, 3, and 4 on page 190.

Prerequisites: Minimum grade of B in one of Principles of Mathematics 12, Pre-calculus 12, or equivalent; or 120; or a PASS on the MATH 100 pretest.

MATH 101 Units: 1.5 Hours: 3-0-1
Calculus II

Volumes; arc length and surface area; techniques of integration with applications; polar coordinates and area; l'Hôpital's rule; Taylor's formula; improper integrals; series and tests for convergence; power series and Taylor series; complex numbers.

Note: See note 4 on page 190.

Prerequisites: 100 or equivalent.

MATH 102 Units: 1.5 Hours: 3-0
Calculus for Students in the Social and Biological Sciences

Calculus of one variable with applications to the social and biological sciences. Exponential growth.

Notes: - Credit will be granted for only one of 102, 100.

- See note 4 on page 190.

Prerequisites: Principles of Mathematics 12 or Pre-calculus 12 or equivalent; or 120.

MATH 110 Units: 1.5 Hours: 3-0
Formerly: 133**Matrix Algebra for Engineers**

Complex numbers, matrices and basic matrix operations, vectors, linear equations, determinants, eigenvalues and eigenvectors, linear dependence and independence, orthogonality.

Note: Credit will be granted for only one of 110, 133, 211, 233A.

Prerequisites: Admission to BEng or BSENG program.

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MATH 120 Units: 1.5 Hours: 3-0-1 Formerly: MATH 012 Precalculus Mathematics

The essential topics prerequisite for MATH 100 and 102. Elementary functions with emphasis on the general nature of functions; polynomial, rational, exponential, logarithmic, and trigonometric functions. Conic sections, plane analytic geometry.

Notes: - Not open for credit to students with credit in any of 012, 100 or 102, and not intended for students who are proficient with the topics covered in *Principles of Mathematics 12* or *Pre-calculus 12*.

- See note 4 on page 190.

Prerequisites: *Principles of Mathematics 11* or *Pre-calculus 11* or equivalent.

MATH 122 Units: 1.5 Hours: 3-0 Formerly: 224 Logic and Foundations

Logic and quantifiers, basic set theory, mathematical induction and recursive definitions, divide and conquer recurrence relations, properties of integers, counting, functions and relations, countable and uncountable sets, asymptotic notation.

Notes: - Credit will be granted for only one of 122, 224, CENG 245.

- Not open for credit to students with credit in any of 222, 422 or 423.

- Students with 90% or higher in *Principles of Mathematics 12* or *Pre-calculus 12* are encouraged to request permission to register.

Prerequisites: 100 or 102 or 151 or permission of the department.

MATH 151 Units: 1.5 Hours: 3-0 Finite Mathematics

Geometric approach to linear programming, linear systems, Gauss-Jordan elimination, matrices, compound interest and annuities, permutations and combinations, basic laws of probability, conditional probability, independence, tree diagrams and Bayes formula, random variables and their probability distributions (including binomial and hypergeometric), expectation, applications of discrete probability and Markov chains.

Note: Not open for credit to students with credit in 352.

Prerequisites: One of *Principles of Mathematics 11* or *12*, *Pre-calculus 11* or *12*, *Foundations of Mathematics 12*, or 1.5 units of credit in MATH courses numbered 100 or higher.

MATH 161 Units: 1.5 Hours: 3-0 Formerly: 160A Mathematics for Elementary School Teachers I

Number systems and their properties, the set of real numbers and its subsets, the interpretation of numerical operations with applications including combinations and permutations, standard computation algorithms, basic statistics, including simple sampling and design issues. Problem solving is emphasized throughout.

Note: Credit will be granted for only one of 161, 160, 160A, and no more than 1.5 units of credit in MATH courses numbered 100 or higher, excluding 120. Intended for prospective Elementary Education students.

Prerequisites: One of *Principles of Mathematics 11* or *12*, *Pre-calculus 11* or *12*, *Foundations of Mathematics 12*.

MATH 162 Units: 1.5 Hours: 3-0 Formerly: 160B Mathematics for Elementary School Teachers II

Mental computation and estimation, non-standard computation algorithms, basic set theory, probability, basic algebra and functions, two- and three-dimen-

sional objects, symmetry, similarity, compass and straight-edge constructions, transformational geometry, measurement topics, including length, area and volume. Problem solving is emphasized throughout.

Note: Credit will be granted for only one of 162, 160, 160B and no more than 3.0 units of credit in MATH courses numbered 100 or higher excluding 120.

Prerequisites: 161 (or 160A) or permission of the department.

MATH 199 Units: 1.5 Hours: 3-0 Formerly: 299 Problem-Solving Seminar

A seminar on solving non-routine challenging mathematical problems that require insight, creativity and ingenuity. Strongly recommended to students who wish to participate in Putnam Mathematics Competitions.

Note: Credit will be granted for only one of 199, 299.

Prerequisites: Permission of the department.

MATH 200 Units: 1.5 Hours: 3-0-1 Calculus of Several Variables

Vectors and vector functions; solid analytic geometry; partial differentiation; directional derivatives and the gradient vector; Lagrange multipliers; multiple integration with applications; cylindrical and spherical coordinates; surface area; line integrals; Green's Theorem. The section of this course for engineering students will also cover the following topics: surface integrals and the divergence theorem.

Note: Credit will be granted for only one of 200, 202, 205. If all of 202, 200, and 201 are taken, credit will be granted for only 200 and 201.

Prerequisites: 101.

MATH 201 Units: 1.5 Hours: 3-0-1 Introduction to Differential Equations

First order equations, linear second order equations and 2-dimensional systems of linear equations with constant coefficients, elementary qualitative methods, numerical Euler and Runge-Kutta methods, Laplace transform, applications.

Note: Credit will be granted for only one of 201, 202. If all of 200, 201, and 202 are taken, credit will be granted for only 200 and 201.

Prerequisites: 101.

MATH 202 Units: 1.5 Hours: 3-0-1 Intermediate Calculus for CSC and EOS

Vectors, curves, and surfaces in space; partial differentiation; directional derivatives and the gradient vector; Taylor's theorem for a function of two variables; introduction to differential equations.

Note: Credit will be granted for only one of 202 and any of 200, 201, or 205. If all of 202, 200, and 201 are taken, credit will be granted for only 200 and 201.

Prerequisites: 101.

MATH 205 Units: 1.5 Hours: 3-0-1 Multivariable Calculus

Vectors in two and three dimensions, vector-valued functions, functions of several variables, multivariate differential calculus, multiple integrals.

Note: Credit will be granted for only one of 205, 200, 202.

Prerequisites: 101.

MATH 208 Units: 1.5 Hours: 3-0 Formerly: 140 Mathematics for Economics and Econometrics

Matrix algebra: basic operations, linear equations, determinants and cofactors, linear independence, solution to linear systems, quadratic forms; partial derivatives, constrained and unconstrained optimization; applications to economics and econometrics.

Note: Credit will be granted for only one of 208, 103, 140, 240. Credit will not be granted for 208 if students have credit for both one of 200, 202, or 205 and one of 110, 133, 211, 233A.

Prerequisites: 100 or 102; and ECON 103, 104; or permission of the department.

MATH 211 Units: 1.5 Hours: 3-0 Formerly: 233A Matrix Algebra I

Matrices: simultaneous equations; determinants; vectors in 2-, 3- and n-tuple space; inner product; linear independence and rank; change of coordinates; rotation of axes in 2- and 3-dimensional Euclidean space; orthogonal matrices; eigenvalues and eigenvectors.

Note: Credit will be granted for only one of 211, 110, 133, 233A.

Prerequisites: At least 3.0 units of MATH courses; or a minimum grade of A in one of 120, *Principles of Mathematics 12*, *Pre-calculus 12*, or equivalent.

MATH 212 Units: 1.5 Hours: 3-0 Formerly: 233C Introduction to Algebra

Definitions and examples of groups, rings, fields, and integral domains; rational numbers, real numbers, and complex numbers; polynomials and their factorization; permutations. Additional topics chosen from Boolean algebras and lattices, and transfinite arithmetic.

Note: Credit will be granted for only one of 212, 233C.

Prerequisites: 122.

MATH 222 Units: 1.5 Hours: 3-0 Formerly: 324 Discrete and Combinatorial Mathematics

Graph theory, counting, combinatorial arguments and proofs, inclusion-exclusion, partial orders and equivalence relations, deriving and solving recurrence relations, generating functions.

Note: Not open for credit to students registered in or with credit in any of 324, 422, or 423.

Prerequisites: 122 or permission of the department.

MATH 236 Units: 1.5 Hours: 3-0 Formerly: 160B Introduction to Real Analysis

Axiomatic and metric properties of the real numbers. Sequences and limits. Completeness, compactness, Bolzano-Weierstrass and Heine-Borel theorems. Infinite series. Continuous and uniformly continuous functions.

Prerequisites: 101 and 122; or permission of the department.

MATH 242 Units: 1.5 Hours: 3-0 Mathematics of Finance

Simple interest; compound interest; simple discount; simple annuities; general and other annuities; amortization methods; Canadian mortgages; sinking funds; bond prices and bond yields; net present value; capitalized cost; contingent payments; introduction to the basic concept of life annuities and life insurance.

Note: Credit will be granted for only one of 242, 152.

Prerequisites: 102 and 151, or 101 and some knowledge of probability.

MATH 300 Units: 1.5 Hours: 3-0 Formerly: 330A Advanced Calculus

Advanced topics in multidimensional calculus. Multidimensional Taylor's theorem, implicit and inverse function theorems. Surface integrals and the theorems of vector calculus. Sequences and series in Euclidean n-space. Sequences and series of functions and uniform convergence. Fourier series.

Note: Credit will be granted for only one of 300, 330A, 334. Not open for credit to students registered in or with credit in one of 334, 336 or 434.

Prerequisites: 200 or 205; one of 110, 133, 211, 233A.

MATH 301 Units: 1.5 Hours: 3-0
Formerly: 330B
Complex Variables

Theory of functions of a complex variable, analytic functions, elementary functions, integration, power series, residue theory.

Note: Credit will be granted for only one of 301, 330B, 338, 438.

Prerequisites: One of 300, 330A, 334, 336.

MATH 311 Units: 1.5 Hours: 3-0
Formerly: 333C
Linear Algebra

Vector spaces and linear transformations, the canonical forms, inner product spaces and the spectral theorem.

Note: Credit will be granted for only one of 311, 333C.

Prerequisites: 212 or 233C; one of 110, 133, 211, 233A.

MATH 312 Units: 1.5 Hours: 3-0
Formerly: 333A
Abstract Algebra I

Groups, rings and fields, including quotient structures.

Note: Credit will be granted for only one of 312, 333A.

Prerequisites: One of 110, 133, 211, 233A; 212 or 233C; or permission of the department.

MATH 322 Units: 1.5 Hours: 3-0
Intermediate Combinatorics

A study of combinatorial objects, with topics chosen from: representations and generation of permutations and combinations; Gray codes, Latin squares, factorizations of graphs, block designs and finite geometries, partially ordered sets and lattices, Boolean algebras, introduction to error correcting codes.

Prerequisites: 222; or one of 211, 233A, and one of 122, 151; or permission of the department.

MATH 336 Units: 1.5 Hours: 3-0
Formerly: 434
Real Analysis I

Continuous and uniformly continuous functions, the Riemann integral, sequences and series of functions, uniform convergence, abstract metric spaces, inner product spaces, differentiation in Euclidean n -space, Riesz representation theorem.

Notes: - Credit will be granted for only one of 336, 434.

- Primarily for Honours students.

Prerequisites: 300 or 334.

MATH 342 Units: 1.5 Hours: 3-0
Formerly: 325
Intermediate Ordinary Differential Equations

Informal discussion of the Picard-Lindelöf and Peano existence theorems, series solutions near ordinary and regular singular points, Frobenius method, systems of first order linear equations, complex and repeated eigenvalues, nonhomogeneous linear systems, advanced numerical methods (implicit, multi-step), stability and bifurcation theory, other qualitative methods.

Note: Credit will be granted for only one of 342, 323, 323A, 325.

Prerequisites: 200 and 201; one of 110, 133, 211, 233A; or equivalent.

Pre- or corequisites: One of 300, 330A, 334, 336.

MATH 346 Units: 1.5 Hours: 3-0
Formerly: 326

Introduction to Partial Differential Equations

Partial differential equations in physics (wave, heat and Laplace equations), solution by separation of variables, method of characteristics for first-order partial differential equations, boundary value problems, orthogonal functions, Fourier series, transform methods (Laplace and Fourier transforms), numerical methods.

Note: Credit will be granted for only one of 346, 323B, 326.

Prerequisites: One of 323, 323A, 325, 342.

MATH 348 Units: 1.5 Hours: 3-0
Numerical Methods with Applications to Finance and Economics

Selected topics in numerical analysis, with applications to finance and economics. Topics chosen from: rounding errors, root finding, systems of linear equations (direct and iterative methods), interpolation and approximation, numerical integration and differentiation, Monte Carlo methods, finite difference methods, binomial methods, convex optimization, dynamic and stochastic optimization.

Note: Credit will be granted for only one of 348, CSC 340, CSC 349A.

Prerequisites: 200 and 201; one of 110, 133, 211, 233A; one of 151, 352, ECON 245 or 1.5 units of STAT credit; or permission of the department.

MATH 352 Units: 1.5 Hours: 3-0
Introduction to Probability

Probability spaces, combinatorial analysis, inclusion-exclusion, conditional probability, independence, random variables, expectation, discrete and continuous distributions, limit theorems. Additional topics may include: probabilistic method, Markov chains.

Prerequisites: 200 or 205; 122 or 151.

MATH 360 Units: 1.5 Hours: 3-0
Mathematics for Education and Liberal Arts

A survey of mathematical techniques and methods with a focus on analytical skills and problem solving. Topics will be chosen from the following areas: number theory, Euclidean and non-Euclidean geometry, symmetries of polygons, probability, recurrences, strategy and games, the mathematics of social choice theory, and statistics.

Note: Not open for credit to students in any honours, major, minor or general program offered by the Department of Mathematics and Statistics. May not be used for credit in any degree program in the Faculty of Science or the Faculty of Engineering.

Prerequisites: At least 3 units, and no more than 6 units, of courses from the Department of Mathematics and Statistics, excluding MATH 120. At least 1.5 units must be MATH courses; or permission of the department.

MATH 362 Units: 1.5 Hours: 3-0
Elementary Number Theory

Divisibility, primes, congruences, arithmetic functions, primitive roots, quadratic residues, basic representation and decimals, and a selection from the following topics: Pythagorean triples, representation as sums of squares, infinite descent, rational and irrational numbers, distribution of primes.

Note: For Mathematics Majors and Honours students, and for students planning to teach mathematics in secondary schools.

Prerequisites: 122 or 212 or 233C; 3.0 units of 200-level courses offered by the Department of Mathematics and Statistics.

MATH 365 Units: 1.5 Hours: 3-0
A First Course in Topology

Basic concepts in topology, including examples in Euclidean space, metric spaces, and topological spaces. Additional topics in geometric or differential topology.

Prerequisites: One of 236, 300, 330A, 334, 336; 312 or 333A.

MATH 366 Units: 1.5 Hours: 3-0
Formerly: 368A
Geometry

Theorems on triangles and circles, Euclidean constructions, tiling and polyhedra, isometries, similarities, inversion, projective lines and points, axiomatic and non-Euclidean geometries.

Note: Credit will be granted for only one of 366, 368A.

Prerequisites: At least 6 units of MATH courses or permission of the department.

MATH 375 Units: 1.5 Hours: 3-0

Also: PHIL 375
Philosophy of Mathematics

An introduction to problems in the philosophy of mathematics. Topics include the nature of mathematical objects (are they human constructions, or do they exist independently of us?), the status of the infinite in mathematics, the relationship between mathematics and natural science/physical reality.

Note: Credit will be granted for only one of 375, PHIL 375.

Prerequisites: One of 122, 360, PHIL 203, PHIL 304A, PHIL 370.

MATH 377 Units: 1.5 Hours: 3-0
Mathematical Modelling

The formulation, analysis and interpretation of mathematical models in various areas of application. Both continuous and discrete deterministic and stochastic models will be employed. Mathematical techniques used may include: differential and difference equations, matrix analysis, optimization, simple stochastic processes, decision theory, game theory and numerical methods. The phenomena modelled may vary from year to year.

Prerequisites: 200 or 205; 201; one of 110, 133, 211, 233A; one of STAT 252, 254, 255, 260.

MATH 379 Units: 1.5 Hours: 3-0
Nonlinear Dynamical Systems and Chaos

An introduction to dynamical systems aimed at mathematics students and mathematically-inclined students from the sciences and engineering. Topics include: existence theory, geometric analysis, stability theory, bifurcation theory and chaos for differential equations with emphasis directed to applications in science. Assignments may involve the use of simple mathematical software.

Prerequisites: 200 or 205; 201; one of 110, 133, 211, 233A, either with a grade of B or higher, or with credit also for one of 236, 300, 330A or 334.

MATH 399 Units: 1.5 Hours: 3-0
Advanced Problem-Solving Seminar

A second seminar course on solving non-routine mathematical problems. Strongly recommended to students who wish to participate in Putnam Mathematics Competitions.

Prerequisites: 199, 299 or permission of the department.

MATH 401 Units: 1.5 Hours: 3-0
Complex Analysis

Topics chosen from: conformal mappings, the Riemann mapping theorem, the maximum principle, infinite products, Picard's theorem, normal families, H-spaces, approximation by rational functions, the

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Riemann zeta function, analytic continuation and Riemann surfaces.

Prerequisites: 336 and one of 301, 330B, 338, 438.

MATH 412 Units: 1.5 Hours: 3-0

Formerly: 433C

Abstract Algebra II

Field theory, composition series of groups, Galois theory.

Note: Credit will be granted for only one of 412, 433C.

Prerequisites: 311 or 333C; 312 or 333A.

MATH 413 Units: 1.5 Hours: 3-0

Formerly: 433D

Applied Algebra

A survey of the applications of algebraic structures in computer science, applied mathematics, and electrical engineering. Topics may include: cryptography, switching circuits, finite state machines, state diagrams, machine homomorphism, group and matrix codes, Polya-Burnside enumeration, Latin squares, primality testing.

Note: Credit will be granted for only one of 413, 433D.

Prerequisites: 312 or 333A.

MATH 415 Units: 1.5 Hours: 3-0

History of Mathematics

Survey of the development of Mathematics from its earliest beginnings through to the present.

Pre- or corequisites: One of 312, 333A, 362, 366, 368A; or permission of the department.

MATH 422 Units: 1.5 Hours: 3-0

Combinatorial Mathematics

Permutations and combinations, generating functions, recurrence relations, inclusion-exclusion principle. Mobius inversion, Polya's enumeration theorem. Ramsey's theorem, systems of distinctive representatives, combinatorial designs, algorithmic aspects of combinatorics.

Prerequisites: 212 or 233C; 222; and at least 1.5 units of MATH courses numbered 300 or higher; or permission of the department.

MATH 423 Units: 1.5 Hours: 3-0

Graph Theory

An introduction to the combinatorial, algorithmic and algebraic aspects of graph theory.

Prerequisites: 222 and at least 3 units of 300-level MATH courses, or permission of the department.

MATH 435 Units: 1.5 Hours: 3-0

Real Analysis II

Lebesgue measure and integration, L_p spaces, Stone-Weierstrass theorem, Arzela-Ascoli theorem. Hilbert space and Fourier series.

Prerequisites: 336 or 434 or permission of the department.

MATH 436 Units: 1.5 Hours: 3-0

Calculus on Manifolds

Differentiable manifolds. Differential forms. Stokes theorem and a selection of results from classical vector calculus.

Prerequisites: 336; or 236 and one of 300, 330A.

MATH 442 Units: 1.5 Hours: 3-0

Formerly: 445A

Advanced Ordinary Differential Equations

Rigorous existence and uniqueness theory; qualitative theory of systems of ordinary differential equations including Poincaré and Liapunov stability; periodic orbits; Poincaré-Bendixson theory; bifurcations; stable, unstable and centre manifold theorems. Additional topics may include: averaging and perturbation methods, chaos, Melnikov method, Hamiltonian systems.

Note: Credit will be granted for only one of 442, 445A.

Prerequisites: 300 or 334; and 325 or 342; or permission of the department.

MATH 446 Units: 1.5 Hours: 3-0

Formerly: 445B

Advanced Partial Differential Equations

The Cauchy-Kovalevskaya theorem, geometric theory of first order partial differential equations, well-posed problems, elliptic equations, semigroups.

Note: Credit will be granted for only one of 446, 445B.

Prerequisites: 336 or 434 or permission of the department.

MATH 447 Units: 1.5 Hours: 3-0

Nonlinear Programming

Introduction to theory and algorithm of nonlinear programming. Topics may include: unconstrained optimization theory and iterative methods; Lagrange multipliers and Karush-Kuhn-Tucker theorem for constrained optimization problems; convex programming and duality, penalty function methods.

Note: Credit will be granted for only one of 447, 491A, 492 if either 491A or 492 were taken in this topic.

Prerequisites: One of 110, 133, 211, 233A; one of 236, 300, 330A, 334, 336; or permission of the department.

MATH 451 Units: 1.5 Hours: 3-0

Probability

Language of formal probability, laws of large numbers and applications (Weierstrass approximation), central limit theorem, Borel-Cantelli laws, large deviations estimates, Chernoff bounds, number-theoretic applications, coupling of random variables, the probabilistic method (first and second moment methods), combinatorial applications. Additional topics may include: Martingales in discrete probability and applications.

Prerequisites: One of 236, 300, 330A, 334; 352 or STAT 350.

MATH 452 Units: 1.5 Hours: 3-0

Stochastic Processes

Introduction to the branch of probability theory which deals with the mathematical analysis of systems that evolve in time while undergoing chance fluctuations. Main topics include random walks, Markov chains, Poisson processes, birth and death processes, renewal theory. Examples illustrate wide applicability of stochastic processes in many branches of science and technology.

Prerequisites: 352 or STAT 350.

MATH 462 Units: 1.5 Hours: 3-0

Topics in Number Theory

A selection of topics which may include compositions and partitions, geometry of numbers, rational approximation, distribution of primes, order of magnitude of arithmetic functions, proofs of the Prime Number Theorem and of Dirichlet's Theorem on primes in arithmetic progressions, continued fractions.

Prerequisites: 362.

MATH 463 Units: 1.5 Hours: 3-0

Algebraic Number Theory

An introduction to algebraic number theory: rings of integers, prime factorization, finiteness of ideal class group, Dirichlet unit theorem, splitting of primes, structure of inertia groups, elliptic curves.

Note: Credit will be granted for only one of 463, 563.

Prerequisites: 362, 412; or permission of the department.

MATH 465 Units: 1.5 Hours: 3-0

Topics in Topology

Topics chosen from point set topology, introduction to algebraic topology, classification of surfaces, homology theory, and homotopy theory.

Note: May be taken more than once for credit in different topics with permission of the department. May be offered only in alternate years.

Prerequisites: 365; one of 236, 300, 330A, 334; and permission of the department.

MATH 467 Units: 1.5 Hours: 3-0

Differential Geometry

Local theory: curvature, torsion, geodesics, vector fields, intrinsic geometry, spaces of constant curvature. Elements of global theory.

Note: Credit will be granted for only one of 467, 491B (if taken in the same topic).

Prerequisites: 365 or permission of the department.

MATH 475 Units: 1.5 Hours: 3-0

Topics in Mathematical Biology

Possible topics include population modelling, infectious disease dynamics, models of neuronal networks and models of gene regulatory networks.

Notes: - Primarily for third- and fourth-year students in mathematics, statistics or biology.

- Credit will be granted for only one of 475, 575. May be taken more than once in different topics with permission of the department.

Prerequisites: Permission of the department.

MATH 477 Units: 1.5 Hours: 3-0

Stochastic Financial Modelling

Brief review of financial concepts (hedging, arbitrage, options etc.), Martingales, drift and volatility, the binomial model, Brownian motion, the Black-Scholes option pricing formula and some of its extensions.

Prerequisites: 452, and ECON 435 or permission of the department.

MATH 490 Units: 1.5 or 3.0

Directed Studies in Mathematics

Note: Students must consult the department before registering. May be taken more than once for credit in different topics with permission of the department.

MATH 492 Units: 1.5 Hours: 3-0

Formerly: 491A

Topics in Applied Mathematics

Possible topics include population modelling, neural networks, stochastic processes, discrete optimization, actuarial mathematics, calculus of variations, and fluid mechanics.

Notes: - Restricted to third- or fourth-year students who meet the prerequisites specified for the topic to be offered. May be taken more than once for credit in different topics with permission of the department.

- Credit will be granted for only one of 492, 491A (if taken in the same topic).

MATH 493 Units: 1.5 Hours: 3-0

Formerly: 491B

Topics in Pure Mathematics

Possible topics include advanced complex analysis, functional analysis, introduction to manifolds, and mathematical logic.

Notes: - Restricted to third- or fourth-year students who meet the prerequisites specified for the topic to be offered. May be taken more than once for credit in different topics with permission of the department.

- Credit will be granted for only one of 493, 491B (if taken in the same topic).



ME**Music Education****Department of Curriculum and Instruction
Faculty of Education**

Instrumental courses are normally subject to enrolment limits because of space and equipment needs. Departmental permission is required for non-Education students. Courses offered by the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, EPHE, IA, IET, ME.

ME 101 Units: 1.5 Hours: 3-0
Introduction to Music Education

Orientation to the profession; introduction to the role of music in education and society. For students who are considering pursuing a BMus in Secondary Music Education or a BEd with a teaching area in Secondary Music Education.

ME 120 Units: 1.0 Hours: 3-0
Instrumental Jazz I

A study of techniques for teaching instrumental jazz through performance, beginning improvisation, and listening.

ME 121 Units: 1.0 Hours: 2-0
Vocal Jazz I

A study of techniques for teaching vocal jazz through performance and experience. A survey course covering repertoire, history, conducting, style, sound systems, rhythm sections, national standards. Emphasis is on participation and listening.

ME 122 Units: 1.0 Hours: 1-1
World Music Workshop

A study of aural techniques in a selection of world music styles through performance, improvisation, and listening.

ME 180 Units: 1.0 Hours: 0-3
Ensembles

Large Ensembles, including Don Wright University of Victoria Symphonic Winds.

Note: May be taken more than once for credit to a maximum of 4 units.

ME 201 Units: 1.5 Hours: 3-0
Music Education Seminar I

A study of the historical, philosophical, sociological, psychological and curricular foundations of music education.

Pre- or corequisites: 101.

ME 205 Units: 1.5 Hours: 3-0
**Formerly: 105
Music Fundamentals**

Introduction to the language of music including sight reading, ear training and analysis. Normally followed by 206.

Note: Credit will be granted for only one of 205, 105, MUS 100, MUS 101A, MUS 101B. Students with exceptionally strong music backgrounds may not be required to take this course.

ME 206 Units: 1.5 Hours: 3-0
Formerly: 106**Music in the Elementary School Introductory**

An introduction to the foundations of music education, the elementary music curriculum, and methods currently used in BC elementary schools.

Note: Credit will be granted for only one of 206, 104, 106, 204, 304, ED-A 705, ED-A 706.

Pre- or corequisites: 205 or MUS 101A, B, and 170.

ME 207 Units: 1.5 Hours: 3-0
Music in the Elementary School Curriculum

A study of programs and materials for elementary schools. Some school experience will be required.

Note: Credit will be granted for only one of 207, 403.

Prerequisites: 101.

Grading: INC; letter grade.

ME 208 Units: 1.5 Hours: 1.5-1.5
Studio Piano Class I

Development of piano keyboard skills: technique, simple harmonic analysis, sight reading, transposition and accompaniment patterns. For those with little or no piano background.

Note: Those with basic piano skills should register in ME 308.

ME 209A Units: 1.5 Hours: 3-0
Music Education Special Topics I

Students will be exposed to jazz pedagogy in music education. Topics will include instrumental and vocal jazz pedagogy. Emphasis will be on practical experience.

Prerequisites: 101.

ME 209B Units: 1.5 Hours: 3-0
Music Education Special Topics II

Students will be exposed to a variety of topics within music education. Topics may include: world music ensemble, multicultural music, musical theatre, music for exceptional learners, creativity in the music classroom, and technology in music education. Emphasis will be on practical experience.

Prerequisites: 101.

ME 216 Units: 2.0 Hours: 3-0
Instrumental/Choral Techniques

Practical ensemble experience for introductory level band and secondary choral with emphasis on beginning band methods and choral literature for the junior/senior secondary school choir.

ME 219 Units: 1.5 Hours: 3-0
Choral Techniques

Practical choral techniques and literature for elementary schools conducting and methodology. A piano component may be included.

ME 220 Units: 1.0 Hours: 3-0
Instrumental Jazz II

Expanding the skills and knowledge acquired in 120.

Prerequisites: 120.

ME 221 Units: 1.0 Hours: 1-1
Vocal Jazz II

Practical experience through participation. Emphasis is on repertoire, conducting, improvisation in the large and small vocal jazz ensemble.

Prerequisites: 121.

ME 303 Units: 1.5 Hours: 1.5-1.5
Instrumental Techniques and Repertoire**303A - Studio Guitar Class: I****303B - Studio Recorder Class****303C - Studio Ukulele Class****303E - Studio Guitar Class: II**

Note: A student may take up to a maximum of 6 units in the above areas; however, the maximum number of units accepted for credit on the student's degree program will be at the discretion of the department.

ME 306 Units: 3.0 Hours: 3-0
Music in the Elementary School Advanced

A survey of texts and materials and methods of instruction for use in the elementary classroom. Sequential planning involving listening, singing, instru-

mental playing, and movement activities. A school experience component is normally included.

Prerequisites: 206.

ME 307 Units: 1.5 Hours: 3-0
Music in the Middle School Curriculum

A study of programs and materials for middle schools. Some school experience will be required.

Note: Credit will be granted for only one of 307, 301.

Prerequisites: 201 and 207 and admission to the Music Teaching Area or Bachelor of Music in Secondary Education.

Grading: INC; letter grade.

ME 308 Units: 1.5 Hours: 1.5-1.5
Studio Piano Class II

Continuation of development of piano keyboard skills: technique, harmonic analysis, sight reading, transposition, accompaniments, composition and improvisation.

Note: For those with some piano background (e.g., 208 or equivalent).

ME 309A Units: 1.0 Hours: 3-0
Instrumental Techniques

Practical ensemble experience for introductory level instrumental (band/strings) in middle and secondary school classes. Emphasis will be on beginning instrumental methods and techniques.

Note: Credit will be granted for only one of 309A, 216.

Prerequisites: 201 and admission to the Music Teaching Area or Bachelor of Music in Secondary Education.

ME 309B Units: 1.0 Hours: 3-0
Choral Techniques for Middle and Secondary Schools

Practical ensemble experience for introductory level choral in middle and secondary school classes. Emphasis will be on beginning choral methods and techniques.

Note: Credit will be granted for only one of 309B, 216.

Prerequisites: 201 and admission to the Music Teaching Area or Bachelor of Music in Secondary Education.

ME 310 Units: 1.5 Hours: 3-0
Formerly: 207**Learning to Listen to Music**

What to listen for and how to listen to music of diverse styles and genres.

Note: Credit will be granted for only one of 310, 207 (if taken before 2007).

ME 316 Units: 1.0 Hours: 2-0
Instrumental Clinic

Practical ensemble experience; teaching techniques; conducting, ensemble evaluation procedures and materials at the middle/secondary level.

ME 319 Units: 1.5 Hours: 3-0
Vocal Techniques

Vocal production and care of the vocal instrument; development of healthy singing techniques; relevant repertoire.

ME 350 Units: 1.5 Hours: 3-0
Kodály - Pedagogy I

An overview of the Kodály concept, strategies and techniques for developing rhythmic and tonal skills, concepts, and musical attitudes; includes study of early childhood repertoire; songs, games, and dances related to the primary curriculum (years K-3).

Note: Credit will be granted for only one of 350, 400A.

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ME 400 Units: 1.5 Hours: 3-0
Study of Specific Methodology
 Advanced courses for those in the teaching area or concentration.

400C - Experimental Music in Schools
Prerequisites: 205, or MUS 101A and 101B, or permission of the department.

ME 402 Units: 1.5 Hours: 1-3
Technology in Music Education
 Using computers, audio recording equipment, and a variety of professional music software, students will develop skills and techniques in composing, song-writing, audio manipulation, film soundtrack design, and audio production. Examines possibilities for using music technology in educational settings.

Note: Credit will be granted for only one of 402, 400D in a degree program.

ME 407 Units: 1.5 Hours: 1-2
Music in the Secondary School Curriculum
 A study of programs and materials for secondary schools. Some school experience will be required.
Note: Credit will be granted for only one of 407, 401.
Prerequisites: 307.
Grading: INC; letter grade.

ME 409 Units: 1.5 Hours: 3-0
Instrumental and Choral Clinic
 Practical ensemble experience in secondary instrumental (band/strings), and choir. Teaching techniques, conducting, repertoire, and evaluation procedures will be addressed.
Note: Credit will be granted for only one of 409, 316.
Prerequisites: 309A, 309B, and admission to the Music Teaching Area or Bachelor of Music in Secondary Education.

MECH

Mechanical Engineering Department of Mechanical Engineering Faculty of Engineering

Courses offered by the Faculty of Engineering are also found under the following course codes: CENG (Computer Engineering), CSC (Computer Science), ELEC (Electrical Engineering), ENGR (Engineering) and SENG (Software Engineering).

MECH 200 Units: 1.5 Hours: 3-1.5*
Engineering Drawing
 Engineering drawing: sketching, orthographic projections, multiple views, sectional views, isometric and perspective projections, dimensions and tolerances, and working drawings. Computer Aided Design: wire-frame, surface and solid modelling. Machine Shop Practice: micrometers and verniers, drilling, turning, and milling.

Notes: - *Indicates a 3 hour laboratory taken by students on alternate weeks.
 - Credit will be granted for only one of 200, ELEC 200, ENGR 150.
Prerequisites: CSC 110 or 111, and MATH 110 or 133 or 211 or 233A.

MECH 220 Units: 1.5 Hours: 3-1.5*-1
Mechanics of Solids I
 Review of bending moment and shear force diagrams for beams. Introduction of stress and strain; axial loading, torsion, pure bending and transverse loading. Stress and strain transformation in two dimensions. Mohr's circle. Beam deflection, stability of columns.

*Indicates a 3 hour laboratory taken by students on alternate weeks.

Prerequisites: 141 or ENGR 141.
Pre- or corequisites: MATH 200.

MECH 240 Units: 1.5 Hours: 3-0-1
Thermodynamics
 Properties and states of simple substances, P-v-T processes, equations of state, ideal gas law, first law of thermodynamics, control volume and control mass analyses, first law thermal efficiency, simple steady flow devices, heat engines, refrigerators, heat pumps, Carnot cycle, entropy, principle of increase of entropy, second law of thermodynamics, reversibility.
Prerequisites: MATH 101.

MECH 242 Units: 1.5 Hours: 3-0-1
Dynamics
 Kinematics and dynamics of rigid bodies; analysis of planar rigid body motion using translating and rotating axes; two-dimensional rigid body dynamics using force/acceleration, work/energy and impulse/momentum methods; applications to one degree of freedom planar mechanisms and vibrations; introduction to three-dimensional rigid body dynamics.
Prerequisites: 141 or ENGR 141, and MATH 101.

MECH 285 Units: 1.5 Hours: 3-1.5*-1
Properties of Engineering Materials
 Atomic structure, arrangement and movement; microstructural development and heat treatment; physical properties of ferrous and nonferrous metals, semiconductors, ceramics, polymers and composites; corrosion and mechanical properties.
 *Indicates a 3 hour laboratory taken by students on alternate weeks. Not open to students with credit in 325.
Prerequisites: CHEM 101, 102, or 150.

MECH 295 Units: 1.5 Hours: 3-0-1
Engineering Fundamentals II
 Ideal gas laws; work and heat; conservation of energy; thermodynamic properties of pure substances; equations of state; applications to open and closed systems; second law of thermodynamics; non-conservation of entropy; energy conversion systems; heat transfer by conduction, convection and radiation.
Note: Credit will be granted for only one of 295, ENGR 270.
Prerequisites: MATH 101.

MECH 320 Units: 1.5 Hours: 3-1.5*-1
Mechanics of Solids II
 Theory of stress and infinitesimal strain in three dimensions, stress and strain tensors and equilibrium equations. Theory of elasticity in Cartesian polar coordinates and its application to curved beams, torsion of prismatic bars, thick walled cylinders, axisymmetrical loaded disks, and plate theory. Introduction to fracture mechanics and to finite element analysis of frames and trusses.
 *Indicates a 3 hour laboratory taken by students on alternate weeks. Not open to students with credit in 280.
Prerequisites: 220.

MECH 330 Units: 1.5 Hours: 3-1.5*-1
Machine Dynamics
 Balancing of rigid rotors; single plane and two-plane balancing; analytical and experimental field balancing methods. Balancing of reciprocating machines; single cylinder shaking forces, multicylinder engines and compressors of different configurations. Vibration of single-mass systems; free vibration characteristics, harmonic forcing, frequency response functions, applications to vibration isolation and transmissibility, shaft whirl, and vibration transducers. Fourier series solutions for periodic forcing. Multi-mass systems; frequencies and modes for undamped systems, ma-

trix methods, orthogonality of modes and iteration methods. Beam and shaft vibration; Euler equation, frequencies and modes for classical boundary conditions, critical speeds of shafts.

*Indicates a 3 hour laboratory taken by students on alternate weeks.

Prerequisites: 242, MATH 201.

MECH 335 Units: 1.5 Hours: 3-1.5-1
Theory of Mechanisms
 Types of mechanisms. Analysis of the kinematics of closed loop linkages using graphical, vector and complex number methods. Follower motion synthesis and design of cam profiles. Gear terminology and the analysis of gear trains. Analysis of static and dynamic loading of mechanisms; flywheel design. Introduction to linkage synthesis, spatial open loop mechanisms with applications to manipulators.
Prerequisites: 242.

MECH 345 Units: 1.5 Hours: 3-1.5*-1
Mechanics of Fluids
 Properties of fluids. Basic flow analysis techniques. Basic concepts: velocity field, stress, flow patterns, classification of fluid motion. Fluid statics: pressure distribution; hydrostatic forces on submerged surfaces; buoyancy and stability. Integral analysis of fluid motion: conservation of mass, momentum balance, energy balance. Laminar and turbulent flow in pipes and pipe systems. Flow measurement. Laminar and turbulent boundary layers, flow around bodies and drag.
 *Indicates a 3 hour laboratory taken by students on alternate weeks.
Prerequisites: MATH 200.

MECH 350 Units: 1.5 Hours: 2-3-1
Engineering Design
 Design methodology; recognizing and defining open ended engineering problems, generating creative solutions, modelling, analysis, synthesis, computing and testing. Students complete a series of design oriented projects in small teams.
Note: Credit will be granted for only one of 350, 260.
Prerequisites: 200 or ENGR 150 or ELEC 200.

MECH 360 Units: 1.5 Hours: 3-0-1
Design of Mechanical Elements
 Quantitative design methods; review of stress analysis, load determination and static failure theories; fatigue failure arising from time-varying loads; design of specific machine elements: shafts, bearings, gears, screws and fasteners, clutches and brakes; life cycle design methods.
Prerequisites: 220.

MECH 380 Units: 1.5 Hours: 3-1.5*-1
 Formerly: 435
Automatic Control Engineering
 Modelling dynamic systems (linear systems and feedback control). Transfer function based analysis and design (transfer functions, root-locus, stability, transient responses). Frequency characteristics design methods (frequency responses, stability, gain and phase margins, system compensation). State-space design methods (state transition matrix, state feedback and shaping dynamic responses; linear observers).
Notes: - *Indicates a 3 hour laboratory taken by students on alternate weeks.
 - Credit will be granted for only one of 380, 435.
Pre- or corequisites: 330.

MECH 390 Units: 1.5 Hours: 3-1.5*-1
Energy Conversion
 Thermal power generation, vapour and gas cycles, refrigeration and heat pumps. Compressible flow. Non reacting gas mixtures and psychometrics. Re-

acting mixtures, combustion. Exergy (ability to produce work) and second law analysis.

**Indicates a 3 hour laboratory taken by students on alternate weeks.*

Prerequisites: 240.

MECH 395 Units: 1.5 Hours: 3-1.5*-1 Heat Transfer

Heat transfer modes. Analysis of steady and transient conduction in solids. Principles of convection: heat transfer under laminar and turbulent flow over flat plates and around bodies; convective heat transfer inside pipes. Thermal radiation physics and radiation between multiple black and gray surfaces.

**Indicates a 3 hour laboratory taken by students on alternate weeks.*

Prerequisites: 345, 390.

MECH 400 Units: 1.5 Hours: 1.5-1.5-3 Design Project

Complete design of a product or a system; specification of function, analysis, selection of materials, strength calculations, preparation of working drawings, cost analysis and tenders, preparation of final design report and symposium presentation of final design. Weekly seminar series featuring topics related to design, safety, marketing and management.

Prerequisites: 350, 360.

MECH 410 Units: 1.5 Hours: 3-1.5*-0 Computer Aided Design

Basic elements of CAD and relevance to current industrial practice. Input and output devices for geometric modelling systems. Representation of curves and curved surfaces. Graphical programming languages, and development of interactive 3D computer graphics programs. Numerical optimization and its application to parameter design.

**Indicates a 3 hour laboratory taken by students on alternate weeks.*

Prerequisites: 200 or ENGR 150 or ELEC 200; MATH 200.

MECH 411 Units: 1.5 Hours: 3-0 Planning and Control of Production Systems

Introduction to manufacture and production systems; process engineering and process planning; group technology; forecasting; inventory control; aggregate production planning; material requirements planning; production scheduling; applications of linear programming and artificial intelligence in production process organization.

Prerequisites: STAT 254 or 260.

MECH 420 Units: 1.5 Hours: 3-0-1 Finite Element Applications

Formulation and application of the finite element method for modelling mechanical systems, including stress and vibration problems; stiffness method, stiffness and mass matrices, generalized force, numerical procedures; development of simple programs and exposure to general purpose packages.

Prerequisites: 320, 330.

MECH 421 Units: 1.5 Hours: 3-0 Mechanical Vibrations

Multi-mass linear systems; flexibility and stiffness matrices, natural frequencies, mode shapes and orthogonal properties, damped or undamped response to arbitrary force. Linear continuous systems; axial and torsional vibration of rods, shafts and beams with attached mass or stiffness. Non-linear vibrations; basic methods for solution. Random vibration; elements for describing random response, Fourier transforms and frequency response functions.

Prerequisites: 330.

MECH 423 Units: 1.5 Hours: 3-0 Engineering Ceramics

Structures of ceramics, glasses and glass ceramics; properties and applications of oxides, silicates, carbides, borides and nitrides; powder processing, shape forming and sintering; mechanical properties and toughening mechanisms; design concepts for brittle ceramics and Weibull analysis; ceramic capacitors and ferroelectrics; piezoelectric and electrooptic sensors; ceramic matrix composites; ceramic fiber reinforcements for composites.

Prerequisites: 285.

MECH 430 Units: 1.5 Hours: 3-1 Robotics

Structure and specifications of robot manipulators; homogeneous transformations; kinematic equations and motion trajectories; dynamic models of robotic manipulators; position and force control; use of robots in industrial applications.

Prerequisites: 335.

MECH 443 Units: 1.5 Hours: 3-0 Advanced Thermodynamics

Thermodynamic potentials: Maxwell relations, stability criteria. Barometric formula: applications to clouds, solar chimney, etc. Phase mixtures: chemical potential, osmosis, phase equilibrium, Gibbs phase rule, phase diagrams, fugacity and activity. Reacting mixtures: law of mass action and applications, enthalpy and entropy constants, heat of reaction, combustion, flames, adiabatic flame temperature, reaction rates. Thermodynamics of fuel cells: efficiency, causes of losses, comparison with heat engines.

Prerequisites: 390.

MECH 445 Units: 1.5 Hours: 3-0 Cryogenic Engineering

Cryogenics: definition and applications. Properties of materials at low temperatures, storage systems for liquid cryogenics, refrigeration and liquefaction cycles. Bulk and mobile storage systems for hydrogen and natural gas. Overview of gas expansion cycles - Linde, Claude, hybrid - with a focus on natural gas and hydrogen liquefaction. Regenerative cycles, magnetic refrigeration, regenerator analysis.

Prerequisites: 390, 395.

MECH 447 Units: 1.5 Hours: 3-0 Energy Systems

Characteristics of energy systems: evolution, energy currencies, energy sources, dynamics of energy systems. The role of storage: characteristics of storage technologies, analysis of storage impacts. Review of thermodynamic fundamentals and development of exergy balance expression. Efficiency metrics, technoeconomics, issues associated with the delivery of energy services such as sustainability, emissions, cost and energy intensity.

Prerequisites: 390, 395.

MECH 449 Units: 1.5 Hours: 3-0 Fuel Cell Technology

Overview and status of various fuel cell technologies. Fundamentals: fuel cell thermodynamics; electrode kinetics; performance and efficiency; transport processes. Proton Exchange Membrane Fuel Cells (PEMFCs). Solid Oxide Fuel Cells (SOFCs). Fuelling issues. Fuel cell systems and applications.

Prerequisites: 240, 345.

MECH 450 Units: 1.5 Hours: 3-0 Special Topics

Presents material in an emerging field or one not covered in regular offerings. Some topics may require laboratory work as well as lectures.

Notes: - Offered as MECH 450A, 450B, 450C, 450D, 450E, 450F.

- May be taken more than once for credit in different topics with permission of the department.

Prerequisites: Set by department depending upon topic.

MECH 455 Units: 1.5 Hours: 3-1.5-1 Instrumentation

Overview of fundamental issues associated with measurement systems; response of 0th, 1st, and 2nd order systems, components in a measurement system, effects of digitization, sampling, aliasing, noise, quantization error. Frequency Response Function, voltage conversion, loading effects, and filtering. Sensors and transducers for common physical measurements, including Optical techniques and sensors. Laboratories incorporate all elements of the lectures, with students designing and building complete measurement systems with digital acquisition.

Prerequisites: ELEC 365.

MECH 458 Units: 1.5 Hours: 3-1* Mechatronics

Introduction to mechatronic systems; modelling of mixed mechatronic systems; microcontroller programming and interfacing; data acquisition; sensors and actuators; control architectures and case studies in mechatronics systems.

Notes: - **Indicates a 2 hour laboratory taken by students on alternate weeks.*

- Credit will be granted for only one of 458, 355, 486/405.

Prerequisites: CSC 110 or 111; ELEC 216 or PHYS 216.

MECH 459 Units: 1.5 Hours: 3-0-1 Fundamentals of Hybrid Vehicles

Advance of hybrid electric vehicle (HEV) technology; power plants, electric propulsion systems, transmissions, and onboard energy storage systems; fuel cell vehicles; vehicle performance modelling and simulation using advanced vehicle powertrain modelling tools; design and optimization of HEV powertrain system; and HEV design case studies.

MECH 460 Units: 1.5 Hours: 3-1.5*-1 Computer Aided Manufacture

Introduction to machining operations, features of numerically controlled machine tools, and types of CNC programming. Manual part programming with G-codes, canned cycles, subprograms, custom macros, and simulation program. NC machine tools and control and machine tool kinematics. CNC machining of curved surfaces with ball-mill and end-mill cutters; matching of tool and surface geometry. Curved surface machining strategies and case studies. Rapid prototyping. Machining mechanics and dynamics.

**Indicates a 3 hour laboratory taken by students on alternate weeks.*

Prerequisites: 200 or ENGR 150 or ELEC 200, and MATH 200.

MECH 462 Units: 1.5 Hours: 3-0 Small Business Organization

Finance, accounting, auditing, taxation, marketing, market research; organizational psychology, personnel selection; engineering economy, equivalent uniform annual cash flow, present worth, cost benefit ratio.

Prerequisites: ENGR 280.

MECH 465 Units: 1.5 Hours: 3-1 Machine Vision and Sensors

Theory and application of a wide range of sensors currently employed in modern industrial environments. General sensor technologies examined include laser, optical, inductive, piezo-electric and ultrasonic. In-depth coverage of machine vision, particularly software for part recognition, inspection

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and measurement that utilize gray scale image processing algorithms. Also examined are the roles of sensors in computer-integrated and flexible manufacturing, transportation and smart structures in aeronautical and civil applications.

Prerequisites: 200 or ENGR 150 or ELEC 200, and MATH 200.

MECH 466 Units: 1.5 Hours: 3-0.7*-1 **Microelectromechanical Systems**

Principles of MEMS theory, design and fabrication. Topics include: scaling law principles: micro-mechanical structures for sensing and actuation; electrostatic, micro-thermal, piezoresistive, piezoelectric and micro-magnetic devices; micro-fluidics; micro-optics; micro-assembly and packaging. Case studies of MEMS device operation and micro-fabrication.

*Indicates four 2-hour labs.

Prerequisites: PHYS 216 or ELEC 216.

MECH 471 Units: 1.5 Hours: 3-0 **Fracture, Fatigue and Mechanical Reliability**

Linear elastic and elasto-plastic fracture mechanics. Classical fatigue analysis, crack propagation, and low cycle fatigue. Plasticity induced closure and crack growth under variable amplitude loading. Damage tolerance analysis. Stochastic, closure-lognormal crack propagation. Durability analysis. Maintenance and inspection optimization. Industrially significant applications are highlighted throughout the course.

Prerequisites: 320.

MECH 473 Units: 1.5 Hours: 3-0 **Ferrous and Non-Ferrous Metals**

Mechanical, thermal, electrical, photonic and magnetic properties of materials, the iron-carbon and iron-cementite phase diagrams; nucleation and growth of microstructural constituents; the martensite phase transformation; time-temperature-transformation (TTT) curves; properties affected by quenching, tempering and annealing; alloy additions; structural, high strength and speciality steels; welding; tools and stainless steels; cast irons; superalloys; copper, aluminum, magnesium and titanium alloys; metal matrix composites.

Prerequisites: 285.

MECH 475 Units: 1.5 Hours: 3-1 **Aircraft Design**

Flight vehicle conceptual and preliminary design. Market analysis. Mission requirements, sizing, trade-offs. Aircraft general arrangement, fuselage, wing, empennage, landing gear design. Weight and balance. Stability and control. Drag polar. Aircraft structural arrangement, maneuvering envelope. Project.

Prerequisites: 242, 345.

MECH 485 Units: 1.5 Hours: 3-0 **Mechanism and Manipulator Synthesis**

Synthesis of mechanisms for function generation and rigid body guidance. Graphical, analytical, and optimization based methods of synthesis. Mechanism cognates, Chebyshev spacing, Burmister curves. Manipulator joint layout synthesis for spatial positioning and orientation. Application to serial, parallel and hybrid configurations. Conditions of singularity and uncertainty.

Prerequisites: 335.

MECH 492 Units: 1.5 Hours: 3-0 **Transport Phenomena**

Thermomechanics: introduction, kinematics, motion, stress, thermodynamics, fundamental principles. Constitutive equations of mixtures: Newtonian fluids, binary mixtures, field equations. Mass transport: diffusivity, mechanisms of mass transport, examples of concentration distribution in solids, and binary and ternary fluid mixtures.

Prerequisites: 345, 395.

MECH 493 Units: 1.5 Hours: 3-0-0 **Design of Thermo-Fluid Systems**

An advanced design course in thermofluids systems. Groups of three or four students select project topics that involve the design of thermofluids systems such as power generation and refrigeration cycles, pump and piping systems, heat exchangers and heat exchanger networks, and air-conditioning and heating systems. Alternatively, students can propose their own projects in other areas of thermofluid systems.

Prerequisites: 345, 390, 392, 395.

MECH 494 Units: 1.5 Hours: 3-1.5*-1 **Formerly: 392**

Thermofluids and Introduction to Mass Transfer
Thermofluids and Introduction to Mass Transfer Kinematics: motion, velocity, acceleration, transport theorem. Conservation of mass, balance of momentum, balance of energy, and entropy inequality. Stress tensor, incompressibility. Differential forms and boundary conditions. Dimensional Analysis. Potential Flow. Mass Transport in binary systems: introduction to mixtures, kinematics, diffusivity, Fick's law. Examples of mass transport: diffusivity, diffusion in fluid mixtures.

Notes: - *Indicates a 3 hour laboratory taken by students on alternate weeks.

- Credit will be granted for only one of 494, 392.

Prerequisites: 240, 345.

MECH 495 Units: 1.5 Hours: 3-1 **Computational Fluid Dynamics and Heat Transfer**

Methods of predictions and historical perspective; governing differential equations of heat transfer and fluid flow; finite difference methods; discretization schemes; application to heat conduction problems; introduction to control volume formulation for fluid flow and to turbulence modelling; accuracy and convergence considerations. Individual term projects using a CFD program.

Prerequisites: 345, 395.

MECH 498 Units: 3.0 Hours: 2-18 **Honours Thesis**

The honours thesis provides an opportunity for selected students to carry out a major design or research project under the supervision of a faculty member. The project will require independent study of the current technical literature, and independent research or design work. Each student will present a complete report at the end of the term, and make an oral presentation of the findings.

Note: May only be taken once. Credit will be granted for only one of 498, 499.

Prerequisites: Approval of the department. Available only for students who have completed all third-year courses with a minimum GPA of 6.0.

Grading: INP, letter grade.

MECH 499 Units: 1.5 Hours: 1-9 **Technical Project**

The technical project provides an opportunity for each student to carry out a design or research project associated with one or more of the higher level courses, under the supervision of a faculty member. The nature of the project selected should be such as to require independent study of current technical literature. When feasible, the design should be assessed in the laboratory. Each student must present a complete report at the end of the term.

Note: May be taken only once. Credit will be granted for only one of 498, 499.

Prerequisites: Permission of the department.

MEDI

Medieval Studies **Medieval Studies Program** **Faculty of Humanities**

MEDI 200 Units: 1.5 Hours: 3-0 **Myths and Legends of the Middle Ages**

An introduction to selected myths and legends of the medieval world as represented in literature, art and architecture in one or more of the following traditions: Greco-Roman, Jewish, Christian, Islamic, Germanic, Celtic. Special attention given to material found in multiple traditions (e.g., stories of heroes such as Alexander, Arthur, or Morgan le Fay). May include medieval myths or the Middle Ages in film.

MEDI 210 Units: 1.5 Hours: 3-0 **Voices from the Middle Ages**

Medieval writers speak to us in many voices, and in many modes: male and female, ecclesiastical and secular, serious and comic or fantastic, prose and verse. A selection of medieval texts will be studied in English translation.

Topic: The Many Lives of King Arthur

Note: May be taken more than once for credit in different topics to a maximum of 3 units.

MEDI 303 Units: 1.5 Hours: 3-0 **The Medieval World**

An interdisciplinary introduction to the Middle Ages through a comparative overview of medieval cultures and civilizations until about CE 1500, with a focus on the formation of medieval Christian Europe and its relations with Judaism, Byzantine Christianity, and Islam. Both material and intellectual culture (e.g., architecture, art, music, literature) will be studied.

Prerequisites: Second-year standing or permission of the Program.

MEDI 304 Units: 1.5 Hours: 3-0 **Encountering the Middle Ages**

An introduction to the interdisciplinary study of the medieval world and thus to Medieval Studies, through direct encounters with primary sources (objects, images, texts, music). Intended to develop skills in critical thinking and research. Normally includes a project linked to the topic of the annual Medieval Studies Workshop. Emphasizes the question of evidence in relation to interdisciplinary principles, methods and problems, involving where possible cross-cultural comparison.

Topic: Sea, Swamps and Saints in Medieval East Anglia

Note: 303 recommended.

Prerequisites: Second-year standing or permission of the Program.

MEDI 350 Units: 1.5 Hours: 3-0 **Also: LATI 350** **Formerly: MEDI 250** **Medieval Latin**

Readings will be structured around a topic in post-classical Latin literature. Possible topics include: Latin literature of Late Antiquity, medieval epic, Latin lyric of the 12th century, medieval Latin comedy.

Note: Credit will be granted for only one of 350, 250, LATI 250, LATI 350.

Prerequisites: LATI 202 formerly LATI 200 or equivalent.

MEDI 360 Units: 1.5 Hours: 3-0 **Selected Topics in Medieval Culture**

An interdisciplinary investigation of a selected topic in the evolution of medieval culture, with an emphasis to be placed on artistic, intellectual, or spiritual life of the time.

Topic: Islam and the Cultures of the Mediterranean 950-1350 CE.

Note: May be taken more than once in different topics to a maximum of 6 units.

Prerequisites: Second-year standing or permission of the Program.

MEDI 401 Units: 1.5 Hours: 3-0
Seminar in Medieval Culture

An interdisciplinary investigation of a selected topic in the evolution of medieval culture, with an emphasis to be placed on the artistic, intellectual, or spiritual life of the time.

Note: May be taken more than once for credit in different topics to a maximum of 6 units. 303 and 304 suggested.

Prerequisites: Second-year standing or permission of the Program.

MEDI 402 Units: 1.5 Hours: 3-0
Cross-Cultural Encounters and Exchanges

An interdisciplinary investigation of significant cross-cultural encounters and exchanges in the medieval world, especially between East and West or northern European and Mediterranean cultures. Possible topics include: the Crusades; the Viking expansions; multi-culturalism in Spain or Sicily; relations between eastern and western Christendoms; international trading relations; inter-relations of the medieval world and the Mongol Empire; the transmission of Arabic science and learning.

Note: May be taken more than once for credit in different topics to a maximum of 6 units.

Prerequisites: Second-year standing or permission of the Program.

MEDI 441 Units: 1.5 Hours: 3-0
Formerly: Also FREN 441
Medieval Arthurian Romance

Origins and evolution of Medieval Arthurian romance through an examination of representative texts. History and art will be used to give a context to the literary works.

Note: Credit will be granted for only one of 441, FREN 441.

MEDI 442 Units: 1.5 Hours: 3-0
Also: FRAN 432
Common Grounds in European Medieval Literature (in English)

Transcendence of national boundaries in literature and scholarship: Latin and French as universal languages. Readings: modern English translations of Latin, Old French and Old/Middle English texts representing common foundations in various genres. Students enrolled in MEDI 442 must submit all written assignments in English; students enrolled in FRAN 432 must submit all written assignments in French.

Note: Credit will be granted for only one of 442, FRAN 432, FREN 442.

MEDI 451 Units: 1.5 Hours: 3-0
Formerly: part of 450
Reading, Writing and the Book in the Medieval World

A selective overview of the historical development of medieval media and communications practices and technology focusing especially on the manuscript book. Topics will normally include some of the following: the spread and consequences of literacy, orality and literacy, text and image, the formation of textual communities, the processes and sites of manuscript production, transmission and dissemination (monastic scriptoria, universities, workshops, libraries), paleography, codicology and the shift from script to print.

Note: Credit will be granted for only one of 451, 450.

Prerequisites: Third-year standing or permission of the Program.

MEDI 452 Units: 1.5 Hours: 3-0
Special Topics in Medieval Manuscript Studies

A variable content course in which special topics relating to medieval manuscripts are pursued.

Note: May be taken more than once for credit in different topics to a maximum of 6 units with permission of the Director of Medieval Studies.

Prerequisites: Third-year standing or permission of the Program.

MEDI 490 Units: 1.5 or 3.0
Directed Studies

Note: Available to Medieval Studies majors in their final year. May be taken more than once for credit to a maximum of 3 units.

Prerequisites: Permission of the Program.

MEDI 499 Units: 1.5 Hours: 3-0
Honours Graduating Essay

The graduating essay or project will be completed under the guidance of a faculty member.

Prerequisites: Honours standing in fourth-year.

MEDS

Medical Science

Division of Medical Sciences

MEDS 301 Units: 1.5 Hours: 3-0
Introduction to Pharmacology

A general survey of the mechanisms of action and therapeutic application of drugs in the management of human disease. Topics will include how drugs work in the systems of the body, the actions of herbals and evidence for their use and future directions in pharmacology.

Note: Students enrolled in the Island Medical Program must receive permission of the Division Head before registering for this course.

Prerequisites: One of BIOL 150B, 190B, PSYC 215A, EPHE 241B; or permission of the division.

MEDS 410 Units: 1.5 Hours: 3-3
Functional Human Neuroanatomy

Examines the neuroanatomy of the brain and spinal cord, using specific case studies to elucidate our current understanding of brain-function relationships. The coursework is supplemented by an intensive laboratory component.

Prerequisites: Permission of the division.

MEDS 487 Units: 1.5 or 3.0 Hours: 3-0
Special Topics in Medical Sciences

Topics of current interest in medical science.

This year: Neurogenesis, Sensory Processing, Histology and Neuroanatomy.

Note: May be taken more than once for credit in different topics with permission of the division. There may be prerequisites depending on the special topic offered.

Prerequisites: Permission of the division.

MEDS 490 Units: 1.5 or 3.0 Hours: 3-0
Directed Studies in Medical Sciences

Research projects or directed readings.

Note: May be taken more than once for credit in different topics up to a maximum of 3 units.

MEST

Mediterranean Studies

Department of Hispanic and Italian Studies

Faculty of Humanities

MEST 300 Units: 1.5 (0.5 per module) Hours: 3-0

The Mediterranean Region from the Perspective of Spain and Italy (in English)

Module I, Module II, and Module III.

A study of the Mediterranean Region from the point of view of two nations which at certain periods in history controlled empires that contributed to the Western idea of a common Mediterranean Culture. The Mediterranean Sea and the Atlantic Ocean studied as determining factors in the evolution and interaction of these two cultures. The significance of the interplay between Spain and Italy analyzed, particularly between 1492-1650 and in the 20th century during their fascist periods. Modules may include "Literary Masterpieces," "Culture and Customs," "The Influence of Religious Thought," "Empires in the Mediterranean and Beyond" and "Cinema."

Note: Consists of 3 modules of 4 weeks each. May be taken more than once for credit in different topics to a maximum of 3 units, but students who have already taken any module in the course must obtain permission of the department before enrolling. Students wishing to take fewer than 3 modules must register through the department.

Prerequisites: Second-year standing.

MEST 308 Units: 1.5 (0.5 per module) Hours: 3-0

Fascism in the Hispanic and Italian World (in English)

Module I, Module II, and Module III.

Modules may include "Fascism in Mussolini's Italy," "Fascism in Franco's Spain," "Fascists and Nazis Transplanted to South America" and "Exile."

Note: Consists of 3 modules of 4 weeks each. May be taken more than once for credit in different topics to a maximum of 3 units, but students who have already taken any module in the course must obtain permission of the department before enrolling. Students wishing to take fewer than 3 modules must register through the department.

Prerequisites: Second-year standing.

MEST 310 Units: 1.5 (0.5 per module) Hours: 3-0

The Portrayal of the Family in Mediterranean Culture (In English)

Module I, Module II, and Module III.

The significance of the family examined through its portrayals in the culture, religion, literature and art of Spain and Italy. Module headings may include "Portrayals of Motherhood," "Portrayals of the Paterfamilias," "Portrayals of Childhood," "The Church Family," "The Family and Beyond."

Note: Consists of 3 modules of 4 weeks each. May be taken more than once for credit in different topics to a maximum of 3 units, but students who have already taken any module in the course must obtain permission of the department before enrolling. Students wishing to take fewer than 3 modules must register through the department.

Prerequisites: Second-year standing.

MICR**Microbiology**

Department of Biochemistry and Microbiology

Faculty of Science

MICR 200A Units: 1.5 Hours: 3-2
Formerly: part of 200

Introductory Microbiology I

A broad introduction to the field of microbiology. Prokaryotic and eukaryotic cell structure and function; physiology and growth of microorganisms; control of microbial growth; viruses; molecular taxonomy of microorganisms.

Note: Credit will be granted for only one of 200A, 200.

Prerequisites: Second-year standing or permission of the department.

MICR 200B Units: 1.5 Hours: 3-2
Formerly: part of 200

Introductory Microbiology II

A broad introduction to the field of microbiology. Microbial genetics and genomics; genetic engineering, biotechnology, and industrial microbiology; environmental and applied microbiology; immunology; infectious diseases.

Note: Credit will be granted for only one of 200B, 200.

Prerequisites: 200A.

MICR 302 Units: 1.5 Hours: 3-0
Molecular Microbiology

Genetic, genomic, biochemical and molecular approaches to studying the structure and function of microbial cells. Use of microbial systems as laboratory tools, and as model organisms for investigating biological processes. Emphasis on the application of experimental techniques to scientific problem solving.

Prerequisites: 200A and 200B, or 200; one of BIOC 200, 299, 300A; or permission of the department.

MICR 303 Units: 1.5 Hours: 3-0
Formerly: 403

Immunology

The generation of antibody diversity; immune effector mechanisms and their regulation; immunological principles as applied to research and medicine.

Note: Credit will be granted for only one of 303, 403.

Prerequisites: 200A and 200B, or 200.

Pre- or corequisites: one of BIOC 200, 299, 300A; or permission of the department.

MICR 402 Units: 1.5 Hours: 3-0
Virology

An advanced consideration of the molecular aspects of viruses. Emphasis will be placed on the animal viruses with respect to: infection process; replication cycle; interactions with the host cell; mechanisms of pathogenicity; vaccines. The course consists of lectures with additional literature reading and brief seminars by students.

Prerequisites: 200A and 200B, or 200; BIOC 300A and 300B, or 300; or permission of the department.

MICR 405 Units: 1.5 Hours: 3-0
Formerly: BIOC 405

Molecular Biotechnology

Advanced topics in microbiology examining developments and applications of biotechnology. Topics will vary from year to year but will include some of the following: recombinant DNA technologies, bioinformatics, fermentation processes, plant-microbe interactions, plant biotechnology, transgenics, proteomics, aquaculture and related topics in ocean microbiology. Seminars will be presented by visiting experts and several faculty members.

Note: Credit will be granted for only one of 405, BIOC 405.

Prerequisites: 200A and 200B, or 200; BIOC 300A and 300B, or 300.

MICR 408 Units: 1.5 Hours: 3-0
Formerly: part of 301

Microbial Pathogenesis

Bacterial pathogens; emphasis on molecular mechanisms of pathogenesis including antigenic variation, host cell parasitism, evasion of host immune defences, and mimicry of eukaryotic structures.

Note: Credit will be granted for only one of 408, 301.

Prerequisites: 302 or BIOL 361; 303 or BIOL 360; BIOC 300A and 300B, or BIOC 300; or permission of the department.

MICR 470 Units: 1.5
Directed Studies in Microbiology

Directed studies may not be taken more than once and are normally only available to students with a minimum cumulative GPA of 5.0 and fourth-year standing in the BIOC/MICR program.

MICR 499A Units: 1.5
Formerly: part of 499

Undergraduate Thesis I

The first stage of a research project conducted under the direction of a faculty member. Open to Honours students only.

Notes: - Credit will be granted for only one of 499A and 499B, 499, BIOC 499A and 499B, BIOC 499.

- 499A and 499B are "tied" courses and must be taken in consecutive terms except with permission of the department.

- Credit for 499A will be assigned only upon successful completion of 499B.

Prerequisites: Permission of the department.

Grading: INP, letter grade (assigned upon completion of 499B; if 499B is not completed, a grade of N will be assigned to 499A).

MICR 499B Units: 1.5
Formerly: part of 499

Undergraduate Thesis II

Continuation of a research project conducted under the direction of a faculty member. Open to Honours students only.

Notes: - Credit will be granted for only one of 499A and 499B, 499, BIOC 499A and 499B, BIOC 499.

- 499A and 499B are "tied" courses and must be taken in consecutive terms except with permission of the department.

- Credit for 499A will be assigned only upon successful completion of both courses.

Prerequisites: 499A.

MRNE**Marine Science**

Department of Biology
Faculty of Science

MRNE 400 Units: 1.5 or 3.0
Directed Studies

Directed studies under the supervision of a member of faculty. Involves a research project approved by the supervisor in the field of interest of the student, and will be designed to take maximum advantage of the laboratory and/or field opportunities offered by the Bamfield Marine Station.

Note: May be taken more than once for credit with permission of the department.

MRNE 401 Units: 3.0

Special Topics in Marine Biology

Offered, as opportunities arise, by distinguished scientists who are working at the Bamfield Marine Station. It is expected that the course will generally be of a specialized nature and be at a level appropriate to graduate or senior undergraduate students.

Please visit www.bms.bc.ca for a current list of Special Topics courses.

Note: May be taken more than once for credit with permission of the department.

MRNE 402 Units: 1.5

Special Topics in Marine Biology

Offered, as opportunities arise, by distinguished scientists who are working at the Bamfield Marine Station and are prepared to offer a course extending over a three week period. This course will be of a specialized nature.

Please visit www.bms.bc.ca for a current list of Special Topics courses.

Note: May be taken more than once for credit with permission of the department.

MRNE 410 Units: 3.0

Marine Invertebrate Zoology

A survey of marine invertebrate phyla, with emphasis on the benthic fauna in the vicinity of the Bamfield Marine Station. Includes lectures, laboratory periods, field collection, identification, and observation. Emphasis is placed on the study of living specimens in the laboratory and in the field.

MRNE 412 Units: 3.0

Biology of Marine Fishes

The taxonomic diversity, evolution, ecology and conservation of North Pacific fishes. Laboratory and field topics include fish identification, stable isotope methodologies, database design and statistical analyses, and collecting/fishing techniques. A student field research project is required.

Note: Credit will be granted for only one of 412, BIOL 335, 431, 431A.

Prerequisites: BIOL 215. BIOL 307 recommended.

MRNE 415 Units: 1.5

Structure and Function in Animals

Structure of marine animals, and their adaptations to the marine environment. Neurobiology, developmental biology, functional morphology and other topics.

Prerequisites: BIOL 215, 225, 230.

MRNE 420 Units: 3.0

Marine Phycology

A survey of the marine algae, with emphasis on the benthic forms, in the vicinity of the Bamfield Marine Station. Includes lectures, laboratory periods, field collection, identification, and observation. Emphasis is placed on the study of living specimens in the laboratory and in the field.

MRNE 425 Units: 1.5

Ecological Adaptations of Seaweeds

Morphological, physiological, genetic and reproductive adaptations of seaweeds to their natural and human-altered environments.

Prerequisites: BIOL 215, 225, 230.

MRNE 430 Units: 3.0

Marine Ecology

An analytical approach to biotic associations in the marine environment. Opportunities will be provided for study of the intertidal realm in exposed and protected areas and of beaches and estuaries in the vicinity of the Bamfield Marine Station; plankton studies and investigations of the subtidal and benthic environments by diving and dredging are envisaged.

Note: Credit will be granted for only one of 430, BIOL 406.

MRNE 435 Units: 3.0
Introduction to Biological Oceanography

An introduction to the biology of the oceans, with supporting coverage of relevant physics and chemistry. Emphasis will be placed on plankton biology, community structure and life histories, and influencing environmental factors. Collections will be made from sheltered inlets, through Barkley Sound to off-shore waters. Involves both field and laboratory studies of plankton organisms.

MRNE 436 Units: 3.0
Ecology and Evolution of Intertidal Organisms

Intertidal ecology and emerging topics in evolutionary theory. Field surveys and projects will focus on form and function of intertidal taxa and application of multivariate statistical techniques to large data sets.

Note: Credit will be granted for only one of 436, 401 (if taken in the same topic).

Prerequisites: BIOL 215, 307 recommended.

MRNE 437 Units: 1.5
Marine Population Ecology and Dynamics

An analytical approach to the study of marine ecology and marine populations. Intertidal and subtidal communities will be examined, with emphasis on the biota of the Barkley Sound region.

Prerequisites: BIOL 215, 225, 230.

MRNE 440 Units: 3.0
Biology of Marine Birds

A study of the interrelationship of birds and the marine environment; the systematics and ecological relationships, behaviour, life histories, movement and conservation of marine birds; census techniques and methods of studying marine birds in the field will be treated utilizing seabirds and marine-associated birds in the Barkley Sound region. Seabird identification, classification, morphology, plumages and molt will be examined in the laboratory.

Prerequisites: A course in Vertebrate Zoology or permission of the instructor.

MRNE 445 Units: 3.0
Biology of Marine Mammals

A survey course covering systematics and distribution of marine mammals, their sensory capabilities and physiology, with special emphasis on the Cetacea; includes lectures, laboratory periods and numerous field trips in the Barkley Sound region. Involves an independent field study.

Prerequisites: A course in Vertebrate Zoology.

MRNE 450 Units: 1.5
Principles of Aquaculture

An interdisciplinary introduction to the principles underlying the commercial cultivation of aquatic plants and animals emphasizing marine systems. Includes working site-visits to a range of commercial farms and research and development facilities.

Note: Credit will be granted for only one of 450, BIOL 407.

MRNE 454 Units: 1.5
Special Topics in Aquaculture

An examination of the culture techniques for selected groups of aquatic plants, animals or micro-organisms. Participants will be expected to complete a project which examines some aspect of applied science relevant to commercial culture.

Note: Credit will be granted for only one of 454, BIOL 407.

MRNE 480 Units: 1.5
Seminars and Papers in Marine Science

A weekly seminar covering current topics of interest in the marine sciences. Seminars will be presented by BMS researchers, graduate students, visiting scientists and students.

Prerequisites: BIOL 215, 225, 230.

MUS

Music
School of Music
Faculty of Fine Arts

Courses that include instrumental or vocal instruction are available only to students registered in the BMus program. Instruction for these courses will be provided by the faculty of the School of Music.

BMus students who fail to maintain a course load of at least 9 units (12 in the case of performance majors) will be required to withdraw from any course in the MUS 140-440 (or 145-445) series in which they are registered.

MUS 101A Units: 1.5 Hours: 3-0
Language of Music

The rudiments of music, musical notation and an introduction to strict counterpoint.

Prerequisites: Evidence of musicianship acceptable to the School.

MUS 101B Units: 1.5 Hours: 3-0
Language of Music

A continuation of 101A, introducing harmonic concepts and practices.

Prerequisites: 101A or permission of the School.

MUS 105 Units: 2.0 Hours: 2-0
Introduction to Composition

Designed to enhance one's understanding of and development in compositional systems, processes and techniques through written exercises and assignments related to 20th century musical idioms.

Note: Open to all music students; non-Music students by permission of the School.

MUS 111 Units: 1.5 Hours: 3-0
Elementary Materials of Music

An introduction to the rudiments of music, including pitch and rhythmic notation, basic harmonic language, and a study of the elementary principles of melodic writing and harmony.

Note: Credit will be granted for only one of 111, 100, 100A, 101A, 101B. Not for credit in the BMus program.

MUS 115 Units: 3.0 Hours: 3-0
Listening to Music

A course for the non-professional, designed to enhance understanding and appreciation of Western music. Assignments include listening to recordings and attendance at selected University concerts.

Note: Credit will be granted for only one of 115, 110, 110A, 110B, 120A, 120B, 220A, 220B. Not open to BMus students.

MUS 120A Units: 1.5 Hours: 3-1
History of Music I

An introductory survey of music and musical values in society through humanistic, cultural, historical and musical-analytical perspectives. These issues will be explored in the context of music from Antiquity to circa 1580.

Note: Credit will be granted for only one of 120A, 110, 110A.

MUS 120B Units: 1.5 Hours: 3-1
History of Music II

The development of Western art music from circa 1580 to circa 1770.

Note: Credit will be granted for only one of 120B, 110, 110A.

MUS 140 Units: 2.0 Hours: 0-1
Individual Tuition

Lessons in instrument or voice.

Prerequisites: Evidence of marked musical ability demonstrated by audition.

MUS 141 Units: 1.0 Hours: 0-5
Individual Tuition in a Secondary Instrument or Voice

Lessons in a secondary instrument or voice for exceptional students.

141A - Strings

141B - Woodwinds

141C - Brasses

141D - Percussion

141E - Voice

141F - Keyboards

Note: May be taken more than once in the same or a different performance area for credit in 1 unit per year to a maximum credit of 3 units. Available only with permission of the School.

MUS 142 Units: 1.5 Hours: 3-0
Lyric Diction

A study of the basic phonetics and accepted principles of lyric diction of the most commonly used languages in concert and operatic repertoire: Italian, French, German, English. Emphasis on performance.

MUS 170A Units: 0.5 Hours: 2-1
Formerly: MUS 170
Basic Musicianship IA

Beginning sight-singing, dictation and corresponding keyboard skills.

Notes: - All components must be completed in order to pass the course.

- Credit will be granted for only one of 170, 170A.

Corequisites: 101A.

MUS 170B Units: 0.5 Hours: 2-1
Formerly: MUS 170
Basic Musicianship IB

Continuation of MUS 170A.

Notes: - All components must be completed in order to pass the course.

- Credit will be granted for only one of 170, 170B.

Prerequisites: 170A.

Corequisites: 101B.

MUS 172 Units: 1.5 Hours: 1.5-0
Fundamentals of Collaborative Piano

Principles of ensemble playing for pianists. Basic skills in working with both instrumentalists and singers. Required for all first-year piano students. Piano students in the second through fourth years may also take this course (with permission of the School).

MUS 180 Units: 1.0 Hours: 0-4
Ensembles

Large Ensembles including University Orchestra, University Wind Symphony, University Chorus, Chamber Singers, Jazz Orchestra, and Jazz Ensemble.

MUS 181 Units: 1.0 Hours: 0-3
Chamber Music

Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera En-

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semble, Brass Choir, Vocal Jazz Ensemble and Accompanying.

MUS 188 Units: 1.0 Hours: 0-3 **Philomela Women's Choir**

A choral ensemble open to all university students including School of Music students. Subject to limited enrolment.

Prerequisites: Placement by audition with the instructor before the first class.

MUS 201A Units: 1.5 Hours: 3-0 **Language of Music**

The structural principles, harmonic and contrapuntal practices of tonal music of the late 18th century explored through analysis and composition.

Prerequisites: 101B or permission of the School.

MUS 201B Units: 1.5 Hours: 3-0 **Language of Music**

A continuation of 201A. The structural principles, harmonic and contrapuntal practices of tonal music of the 19th century explored through analysis and composition.

Prerequisites: 201A or permission of the School.

MUS 204 Units: 2.0 Hours: 1-1 **Music Composition for Non-Majors I**

Composition class for non-Majors.

Note: Attendance at the Master Class Seminar required.

Prerequisites: 105 or permission of the School.

MUS 205 Units: 3.0 Hours: 2-1 **Music Composition I**

Individual and class lessons with members of the Music Composition faculty. Compositions for solo and small ensembles. Attendance required at Composition Master Class Seminar.

Note: For Music Composition Majors.

Prerequisites: Admittance to Music Composition Major.

MUS 207 Units: 1.5 Hours: 3-0 **Music, Science and Computers**

An investigation into the historical relationships among music, science and technology, leading to current possibilities in computers and music. Focuses on the use of computers in music composition, analysis and synthesis of sound. Open to all students.

Note: No prerequisites, though some musical and/or mathematical background is extremely helpful.

MUS 208 Units: 1.5 Hours: 3-0 **Popular Music and Society**

The topic of the course will vary in different years, and may include music for the cinema, folk music, rock music, the blues, or a specific performer or group.

Note: May be taken more than once for credit to a maximum of 3 units. Not for credit in the BMus program.

MUS 209 Units: 1.5 Hours: 3-0 **Topics in Applied Music I**

Topics will vary and may include recording and production techniques, the art of performing, commercial music and other related subjects.

Note: May be taken more than once for credit. Not for credit in the BMus program.

MUS 217 Units: 1.5 Hours: 3-0 **Understanding Music in Concert**

Intended for the general listener. Designed to enhance the experience of live concert music. Preparation for attendance at selected School of Music concerts will include live presentation of specific works to

be performed as well as information regarding historical context and ideas about style and interpretation.

Note: May be taken more than once for credit. Not for credit in the BMus program.

MUS 220A Units: 1.5 Hours: 3-0 **History of Music III**

The development of Western music from circa 1770 to circa 1880.

Note: Credit will be granted for only one of 220A, 313A, 313B, 110, 110B.

MUS 220B Units: 1.5 Hours: 3-0 **History of Music IV**

The development of Western music from circa 1880 to present.

Note: Credit will be granted for only one of 220B, 313A, 313B, 110, 110B.

MUS 236 Units: 1.5 Hours: 1-1 **Keyboard**

Group instruction in piano. Students who already possess adequate keyboard skills are not permitted to register for this course.

Note: One or two terms: 2-2 or 1-1.

MUS 240 Units: 2.0 Hours: 0-1 **Individual Tuition**

Lessons in instrument or voice.

MUS 245 Units: 4.0 Hours: 1-1 **Seminar in Performance**

Individual tuition and weekly class including discussion of repertoire, pedagogy, and techniques of ensemble performance.

Note: For Performance Majors only.

Prerequisites: Recommendation of the School.

MUS 270A Units: 0.5 Hours: 2-1 **Formerly: MUS 270** **Basic Musicianship IIA**

A continuation of 170B.

Notes: - All components must be completed in order to pass the course.

- Credit will be granted for only one of 270A, 270.

Prerequisites: 170 A and B (or 170), and 101A and B.

Corequisites: 201A.

MUS 270B Units: 0.5 Hours: 2-1 **Formerly: MUS 270** **Basic Musicianship IIB**

A continuation of 270A.

Notes: - All components must be completed in order to pass the course.

- Credit will be granted for only one of 270, 270B.

Prerequisites: 270A.

Corequisites: 201B.

MUS 280 Units: 1.0 Hours: 0-4 **Ensembles**

Large Ensembles including University Orchestra, University Wind Symphony, University Chorus, Chamber Singers, Jazz Orchestra, and Jazz Ensemble.

MUS 281 Units: 1.0 Hours: 0-3 **Chamber Music**

Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera Ensemble, Brass Choir, Vocal Jazz Ensemble and Accompanying.

MUS 288 Units: 1.0 Hours: 0-3 **Philomela Women's Choir**

A choral ensemble open to all university students including School of Music students. Subject to limited enrolment.

Prerequisites: 188 and placement by audition with the instructor before the first class.

MUS 301A Units: 1.5 Hours: 3-0 **Language of Music**

Theory and practice of 20th century music: 1900-1945.

Prerequisites: 101B and 220B, or permission of the School.

MUS 301B Units: 1.5 Hours: 3-0 **Language of Music**

A continuation of 301A. History, theory and practice of 20th century music: 1945-present.

Prerequisites: 301A or permission of the School.

MUS 304 Units: 2.0 Hours: 1-1 **Music Composition for Non-Majors II**

Composition class for non-Majors.

Note: Attendance at the Master Class Seminar required.

Prerequisites: 204 or 205 or permission of the School.

MUS 305 Units: 3.0 Hours: 2-1 **Music Composition II**

Individual and class lessons with members of the Music Composition faculty. Compositions for solo, small and large ensembles.

Note: Attendance required at Master Class Seminar. For Music Composition majors.

Prerequisites: 205 or permission of the School.

MUS 306 Units: 1.5 Hours: 2-4 **Recording Techniques**

Introduction to the theory and practice of recording and audio technology, including microphones, tape machines, mixers and other studio components. Also introduces the use of computers in modern studio recording and processing. Practical work includes recording sessions and work in a studio.

Prerequisites: 207 or permission of the School.

MUS 307 Units: 1.5 Hours: 3-0 **Introduction to Computer Music**

Introduction to electroacoustic and computer music. Practical experience in a computer music studio, with synthesizers, samplers, MIDI, digital audio, and other computer music techniques.

Prerequisites: 207 or permission of the School.

MUS 308 Units: 1.5 Hours: 3-0 **Popular Music and Society II**

The topic of the course will vary in different years, and may include intensive studies of music for the cinema, folk music, rock music, the blues, or a specific performer or group.

Note: May be taken more than once for credit in different topics to a maximum of 3 units. Not for credit in the BMus program.

MUS 309 Units: 1.5 Hours: 3-0 **Topics in Applied Music II**

A continuation of 209. Topics may include song writing, film scoring, making and selling your own music and other related subjects.

Note: May be taken more than once for credit in different topics. Some topics may be eligible for credit in the BMus program. Students should consult the School.

MUS 315 Units: 1.5 Hours: 3-0 **Topics in Music and the Cinema**

Note: Students should consult the School for the specific topic to be considered. May be taken more than once for credit in different topics to a maximum of 3 units.

Prerequisites: 120A or permission of the School.

MUS 319 Units: 1.5 Hours: 3-0**Music and Culture of Cuba**

An introduction to the field of ethnomusicology as well as to Cuban music. This is a study of Cuba's folkloric, popular and religious music. Because Cuba's history and culture are so varied, the course includes a study of Spain, Europe and West Africa. In addition, it surveys the profound and far-reaching influence that Cuba has had on popular music around the world and examines the recent political and social history of Cuba.

Note: Credit will be granted for only one of 319 and 320 (if taken in the same topic).

Prerequisites: 101B or permission of the School.

MUS 320 Units: 1.5 Hours: 3-0

Formerly: 320A, 320B, 320C

Topics in World Music

Note: Students should consult the School for the specific topic to be considered. May be taken more than once for credit in different topics to a maximum of 3 units.

Prerequisites: 120A or permission of the School.

MUS 322 Units: 1.5 or 3.0 Hours: 3-0**A Composer's Style and Music**

A study of works of a major composer in the period from the 15th to 20th centuries. Emphasis will be placed on analysis, style and performance practice.

Note: May be taken more than once for credit in different topics.

Prerequisites: 101B and 120A or permission of the School.

MUS 323 Units: 1.5 or 3.0 Hours: 3-0**Forms and Genres in Music**

The study of a single musical form or genre; for example, opera, symphony, sonata.

Note: May be taken more than once for credit in different topics.

Prerequisites: 101B and 120A or permission of the School.

MUS 324 Units: 1.5 or 3.0 Hours: 3-0**Music in Canada**

The history of music in Canada from the time of Cartier (1534) to the present.

Prerequisites: 101B and 120A or permission of the School.

MUS 325 Units: 1.5 Hours: 3-0**The History of Jazz**

A survey of the development and growth of jazz with emphasis on the major stylistic periods, the principal soloists and composers, and the great recorded performances.

Note: Credit will be granted for only one of 325, 325A.

MUS 326 Units: 1.5 Hours: 3-0**Topics in the History of Jazz**

Note: Students should consult the School for the topic to be considered. May be taken more than once for credit in different topics. May not be available to students with credit in 323, History of Jazz, or 325.

MUS 327 Units: 1.5 Hours: 3-0**Music Criticism and Aesthetics**

Study of selected topics dealing with the aesthetics and the criticism of music.

Note: May be taken more than once for credit in different topics with permission of the School.

Prerequisites: 120A and 201B or permission of the School.

MUS 328A Units: 1.5 Hours: 3-0**Keyboard Literature: 1500-1820**

A survey of the basic literature of the keyboard from 1500 to 1820, with special attention to its place in Western music and culture.

Prerequisites: 101B and 120A or permission of the School.

MUS 328B Units: 1.5 Hours: 3-0**Keyboard Literature: 1820 to the Present**

A survey of the basic literature of the keyboard from 1820 to the present, with special attention to its place in Western music and culture.

Prerequisites: 101B and 120A or permission of the School.

MUS 329 Units: 1.5 Hours: 3-0**Women and Music**

Study of the role of women in the field of music.

Prerequisites: 101B and 120A or permission of the School.

MUS 330 Units: 1.5 Hours: 1-1**Strings**

Group instruction in playing orchestral string instruments.

MUS 331 Units: 1.5 Hours: 3-0**Brasses**

Group instruction in playing orchestral brass instruments.

MUS 332 Units: 1.5 Hours: 3-0**Woodwinds**

Group instruction in playing orchestral woodwind instruments.

MUS 333 Units: 1.5 Hours: 3-0**Percussion**

Group instruction in playing orchestral percussion instruments.

MUS 334 Units: 1.5 Hours: 2-2**Voice**

Group instruction in vocal production.

Note: Not for credit for students in the BMus program whose principal instrument is voice.

MUS 335 Units: 1.5 Hours: 2-0**Singing for the Stage**

Technical vocal instruction with application to theatre solos and ensembles. Includes preparation for auditions using fully-staged material. Although this is an introductory course, it is not a beginner's course. A background in theatre is recommended.

Note: Students in the BMus program whose principal instrument is voice must consult with their voice instructors before registering in this course.

MUS 336 Units: 1.5 Hours: 1-0**Strings: Techniques and Mentoring**

String techniques for string students, including an elementary strings mentoring component.

Note: May be taken more than once for credit to a maximum of 3 units.

MUS 340 Units: 2.0 Hours: 0-1**Individual Tuition**

Lessons in instrument or voice.

Prerequisites: 240.

MUS 345 Units: 6.0 Hours: 2-1**Seminar in Performance**

Individual tuition, integrated performance seminar, and weekly master class including discussion of repertoire, pedagogy, and techniques of performance.

Prerequisites: Recommendation of the School.

MUS 347A Units: 1.5 Hours: 0-3

Formerly: **MUS 347**

Introduction to Jazz Improvisation

Performance oriented, this course introduces the student to improvisation in the jazz idiom.

Note: Credit will be granted for only one of 347A, 347.

Prerequisites: 101B.

MUS 347B Units: 1.5 Hours: 1.5-0

Formerly: **MUS 347**

Introduction to Improvisation

An introduction to creative performance practice in contemporary concert music. Through active listening and response in ensembles, students will focus on the development of creativity in music performance. May include working with other disciplines in the Faculty of Fine Arts. Some works of the 20th/21st centuries will be studied.

Performance required.

Note: Credit will be granted for only one of 347B, 347. This is a year-long course.

Prerequisites: 101B.

MUS 350A Units: 1.5 Hours: 3-0**Orchestration**

Study of instrumentation and orchestration.

Prerequisites: 120A and 201B or permission of the School.

MUS 350B Units: 1.5 Hours: 3-0**Orchestration**

A continuation of 350A.

Prerequisites: 350A.

MUS 351 Units: 1.5 Hours: 2-1**Jazz Arranging**

The study of basic techniques applicable to arranging/orchestrating for Jazz ensembles.

Prerequisites: 201B and permission of the School.

MUS 352 Units: 1.5 Hours: 2-1**Introduction to Film Scoring and Sound Design**

Workshop assignments in composing and structuring original soundtracks and sound design for film and plays. The screenplay as a narrative guide for orchestration, timing and pace, and character development through musical devices will be explored through exercises.

Note: This course is an elective, open to both music and non-music students. Completion of 105 or 101A and B is highly recommended. Normally 352 should be taken in conjunction with one of the following courses: 204, 304, 404, 205, 305, 405.

Prerequisites: Second-year standing and permission of the instructor.

MUS 356A Units: 1.5 Hours: 3-0**Basic Conducting**

Fundamental conducting techniques as applied to instrumental and vocal music.

Prerequisites: 120A and 201B or permission of the School.

MUS 356B Units: 1.5 Hours: 3-0**Basic Conducting**

A continuation of 356A.

Prerequisites: 356A or permission of the School.

MUS 360 Units: 1.5 Hours: 1.5-0**Seminar in Chamber Music with Piano**

Principles of ensemble playing demonstrated through a wide range of repertoire from the Baroque era to the present.

Note: May be taken more than once for credit at the discretion of the School.

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Prerequisites: 172, and either 240 or 245, or the permission of the School.

MUS 361 Units: 1.5 Hours: 1.5-0 **Issues in Piano Pedagogy**

Selected issues and trends in piano pedagogy and interpretation.

Note: May be taken more than once for credit at the discretion of the School.

Prerequisites: 240 or 245, or the permission of the School.

MUS 362 Units: 1.5 Hours: 2-0 **Vocal Pedagogy**

A study of the principles of vocal pedagogy with reference to differences in the main national schools of singing. Physiology, principles of acoustics, and current trends in voice research will be addressed.

Note: Open to non-voice students with permission of the School.

MUS 364 Units: 1.5 Hours: 3-0 **Song Literature**

A study of the literature of solo song from 1600 to the present, incorporating musical and literary developments in Western culture.

Prerequisites: 101B, 120A, or permission of the School.

MUS 365 Units: 1.5 Hours: 3-0 **History of the Guitar**

A survey of the basic literature of the classical guitar from 1790 to the present, with special attention to the guitar's role in Western music and culture as an accompanying, ensemble and solo vehicle.

MUS 380 Units: 1.0 Hours: 0-4 **Ensembles**

Large Ensembles including University Orchestra, University Wind Symphony, University Chorus, Chamber Singers, Jazz Orchestra, and Jazz Ensemble.

MUS 381 Units: 1.0 Hours: 0-3 **Chamber Music**

Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera Ensemble, Brass Choir, Vocal Jazz Ensemble and Accompanying.

MUS 388 Units: 1.0 Hours: 0-3 **Philomela Women's Choir**

A choral ensemble open to all university students including School of Music students. Subject to limited enrolment.

Prerequisites: 288 and placement by audition with the instructor before the first class.

MUS 390 Units: 1.5 Hours: 3-0 **Special Studies**

With the consent of the School, a student who has demonstrated a capacity for independent work may undertake an individual project.

Note: May be taken more than once for credit in different topics.

MUS 391 Units: 1.5 Hours: 3-0 **Cross-Cultural and Historical Topics in Music**

Topics may include: issues in music history, world music, music and society or cross-disciplinary perspectives. No prerequisites. Open to music and non-music students.

Note: May be taken more than once for credit in different topics to a maximum of 3 units.

MUS 401A Units: 1.5 Hours: 3-0 **Topics in Analysis**

The study of a particular analytical approach (e.g., Rameau, Schenker) and its applications to a variety of musics.

Note: May be taken more than once for credit in different topics.

Prerequisites: 201B or permission of the School.

MUS 401B Units: 1.5 Hours: 3-0 **Baroque Counterpoint**

The contrapuntal language of J.S. Bach, his contemporaries and immediate predecessors, explored through writing and analysis.

Prerequisites: 201B or permission of the School.

MUS 401C Units: 1.5 Hours: 3-0 **Acoustics of Music**

The physics of musical sound and the acoustics of musical instruments. Timbre, scales, tuning and temperament. An introduction to psychoacoustical issues.

Prerequisites: 201B or permission of the School.

MUS 401D Units: 1.5 Hours: 3-0 **Jazz Theory**

Theoretical aspects of jazz, including its harmonic and formal characteristics.

Prerequisites: 201B or permission of the School.

MUS 404 Units: 2.0 Hours: 1-1 **Music Composition for Non-Majors III**

Composition class for non-Majors.

Note: Attendance at the Master Class Seminar required.

Prerequisites: 304 or 305 or permission of the School.

MUS 405 Units: 3.0 Hours: 2-1 **Music Composition III**

Individual lessons with members of the Music Composition faculty. Majors will complete and have performed a graduating work of advanced and significant scope.

Note: Attendance at Master Class Seminar required. For Music Composition Majors.

Prerequisites: 305 or permission of the School.

MUS 406A Units: 1.5 Hours: 2-2 **Advanced Recording Techniques**

Advanced study of the theory and practice of recording audio technology, studio techniques and procedures. Study includes: advanced stereo microphone techniques, introduction to surround sound, high resolution formats including SACD, DVD-A, DSD, electroacoustic measurements and multi-track recording, and theory. Practical work includes recording sessions, mixing and producing.

Prerequisites: 306.

MUS 406B Units: 1.5 Hours: 0-3 **Sound Recording Seminar**

Advanced study of sound recording and music production techniques using the production of a full length CD or DVD as a model. Topics will include techniques in audio post-production and editing with advanced equipment, music production, location recording, and readings of current research and technical papers. This course requires the completion of a full length CD or DVD project.

Prerequisites: 406A.

MUS 407 Units: 3.0 Hours: 0-3 **Computer Music Seminar**

Advanced work in computer music, including study of software synthesis and analysis of digitized signals,

interactive control of synthesizers, and computer-controlled systems.

Prerequisites: 307 and permission of the School.

MUS 421 Units: 1.5 Hours: 2.5-0 **Selected Topics in Music History**

Note: May be taken more than once for credit in different topics to a maximum of 3 units.

Prerequisites: 120A and B, 220A and B, and 201B.

MUS 425 Units: 1.5 Hours: 3-0 **Jazz History**

This one term course follows MUS 325, (*Introduction to Jazz History*) as an advanced Jazz history course. In-depth presentations including technical, social, and artistic impact will be explored from the Modal revolution to present as defined by the Afro American model, as well as the contributions and diversity of global jazz contributors from a wide geographic spectrum. Special attention will be focused on Canadian artists, and women in jazz.

Note: Credit will be granted for only one of 425, 325B.

Prerequisites: 325.

MUS 440 Units: 2.0 Hours: 0-1 **Individual Tuition**

Lessons in instrument or voice.

Note: May be taken a second time by students in a fifth year of study with permission of the Director of the School of Music. Such students may be required to participate in ensembles.

Prerequisites: 340.

MUS 445 Units: 6.0 Hours: 1-2 **Seminar in Performance**

Individual tuition, integrated performance seminar and weekly class including discussion of repertoire, pedagogy, and techniques of ensemble performance.

Note: For Performance Majors only.

Prerequisites: 345.

MUS 447 Units: 1.5 Hours: 3-0 **Jazz Improvisation**

This one term course is an advanced improvisation course which follows MUS 347A. Performance based, participants will explore advanced improvisation including tonal, bi-tonal and free harmonic models, odd meters, contemporary performance practice, and World Music models. Work will include transcriptions and regular concert attendance.

Prerequisites: 347 or 347A.

MUS 448 Units: 1.0 **Graduating Recital**

Note: For Performance Majors only.

Prerequisites: 345.

Grading: INC, COM, N, F.

MUS 456A Units: 1.5 Hours: 3-0 **Choral Conducting**

Prerequisites: 356B or permission of the School.

MUS 456B Units: 1.5 Hours: 3-0 **Instrumental Conducting**

Prerequisites: 356B or permission of the School.

MUS 462A Units: 1.5 Hours: 0-3 **Seminar in Performance of New Music**

This seminar/workshop provides intensive professional training for performers who work together with composers in the creation, performance and production of new music. Performers will prepare new works composed specifically for them by the composers registered simultaneously in MUS 462B. Training in contemporary notation and performance practices, extended techniques, instrumentation, analysis, conducting techniques, communication skills and concert

production. The final project is a festival. Open to third- and fourth-year music students.

Note: Taught together with 562A (Graduate Seminar in Performance of New Music).

Prerequisites: Third-year standing and 201B, or permission of the instructor.

MUS 462B Units: 1.5 Hours: 0-3
Seminar in Contemporary Composition and Performance

This seminar/workshop provides intensive professional training for performers who work together with composers in the creation, performance and production of new music. Composers will create new works composed specifically for the performers registered simultaneously in MUS 462A. Training in contemporary notation and performance practices, extended techniques, instrumentation, analysis, conducting techniques, communication skills and concert production. The final project is a festival. Open to third- and fourth-year music students.

Note: Taught together with 562B (Graduate Seminar in Contemporary Composition and Performance).

Prerequisites: Third-year standing and 201B, or permission of the instructor.

MUS 480 Units: 1.0 Hours: 0-4
Ensembles

Large Ensembles including University Orchestra, University Wind Symphony, University Chorus, Chamber Singers, Jazz Orchestra, and Jazz Ensemble.

Note: May be taken a second time by students in a fifth year of study with permission of the Dean of Fine Arts.

MUS 481 Units: 1.0 Hours: 0-3
Chamber Music

Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera Ensemble, Brass Choir, Vocal Jazz Ensemble and Accompanying.

Note: May be taken a second time by students in a fifth year of study with permission of the Dean of Fine Arts.

MUS 488 Units: 1.0 Hours: 0-3
Philomela Women's Choir

A choral ensemble open to all university students including School of Music students. Subject to limited enrolment.

Prerequisites: 388 and placement by audition with the instructor before the first class.

MUS 490 Units: 1.5 Hours: 3-0
Special Studies

With the consent of the School, a student who has demonstrated a capacity for independent work may undertake an individual project.

Note: May be taken more than once for credit.

MUS 499 Units: 3.0 Hours: 3-0
Graduating Projects in Music History

A graduating project consisting of a major essay, study of selected readings, and an oral defence.

Note: For Music History Majors only.

NURS

Nursing School of Nursing Faculty of Human and Social Development

All Nursing courses are open to Nursing students only unless otherwise noted in the course description.

When a course is oversubscribed, preference will be given to Nursing students who are closest to graduation.

tion. Contact the School of Nursing or refer to current timetable for course offerings.

NURS 325 Units: 1.5
Explorations of Nursing Knowledge and Practice

An introduction to socio-historical context and philosophical underpinnings informing nursing practice. Participants explore how they know about practice and how they enact their practice.

Note: Credit will be granted for only one of 325, 320.

NURS 341 Units: 1.5
Professional Practice IV: Nursing Inquiry

Builds on Professional Practice I, II, and III. Knowledge for the discipline of nursing is explored as well as various modes of nursing inquiry. Relationships between practice, theory, and research are explored.

Prerequisites: Continuing Students: Professional Practice III.

NURS 342 Units: 1.5
Health and Healing VI: Global Health Issues

Study of complex chronic and episodic global health challenges and issues. Emphasis is placed on the role of the nurse as care provider, community organizer/facilitator, educator and advocate within the context of the global society and the changing health care environment. Participants examine emerging health issues and trends further to develop their understanding of nursing practice.

Note: Open to Continuing students only, except with permission of the department.

NURS 345 Units: 3.0
Family Nursing

Building on existing knowledge of registered nurses, students have the opportunity to develop an understanding of health-promoting family nursing. Four major domains are explored theoretically and experientially: health, family, relational nursing practice and ethics.

Note: Credit will be granted for only one of 345, 330, 331.

NURS 350 Units: 1.5
Health and Healing VII: Promoting Community and Societal Health

The role of the nurse in promoting community and societal health. A companion course with Health and Healing VI. Participants will continue to develop competencies in relational practice with a focus on community and society as client. Topics include the political role of the nurse in working with communities explored from a social justice and equity perspective; community development and capacity building for community health promotion; transformative and emancipatory approaches to teaching and learning.

Prerequisites: Continuing Students: Health and Healing VI.

Post-diploma students: 345.

Corequisites: Post-diploma and Continuing Students: 351.

NURS 351 Units: 1.5
Nursing Practice VI

This nursing practice experience provides opportunities to develop caring relationships with families, groups and communities and/or populations with an emphasis on health promotion and community empowerment. Participants have opportunities to work with a community on an identified health issue.

Prerequisites: Continuing Students: Health and Healing VI.

Post-diploma students: 345.

Corequisites: Post-diploma and Continuing Students: 350.

Grading: COM, F.

NURS 360 Units: 1.5
Professional Practice VI: Nursing Research

Building on Professional Practice II, III, and IV, participants will enhance their understanding of nursing scholarship and their abilities to comprehend, critique, and utilize nursing research. Participants critically reflect on various scholarly works and research methodologies. Participants experience ways to critically examine their practice in relation to nursing research and to pose research questions for evidence-informed practice.

NURS 370 Units: 4.5
Consolidated Practice Experience III

This consolidated practice experience is designed to provide opportunities for participants to integrate learning from previous semesters, and to advance their professional nursing practice. Participants have opportunities to consolidate learning and advance their clinical decision making in a variety of settings. Nursing practice experiences consist of a six week practice placement.

Note: CPE Workshops are required for continuing students.

Prerequisites: 341, 342, 350, 351.

Grading: COM, F.

NURS 390 Units: 1.5 or 3.0
Directed Studies

Directed readings, research projects or special studies in a specified area of interest. A proposal is developed in consultation with a faculty member and includes a plan for the evaluation of the student's work. The proposal must receive the approval of the Director or designate before students are permitted to register.

Note: Offered as resources permit.

NURS 425 Units: 1.5
Qualitative and Quantitative Analysis

A grounding in the techniques commonly used in the analysis of both quantitative and qualitative data. Students will engage in the process of qualitative analysis through examining qualitative data, data coding and thematic construction. A range of descriptive and inferential statistical approaches to quantitative analysis are examined using a computer-based system.

Notes: - Credit will be granted for only one of 425, HSD 425.

- Strongly recommended for those applying to Nursing graduate programs. All students must have basic computing and word processing skills prior to enrolling in the course. Students taking the course off-campus must have access to a computer with a CD-ROM.

NURS 430 Units: 1.5
Professional Practice V: Leadership in Nursing

A study of nursing leadership in the promotion of health for individuals, families, groups and communities in a global context. Topics include the role of the nurse in the Canadian health care system; the impact of global trends and issues; the issues facing nurses in the current work environment; collaborative and ethical approaches for working within institutional philosophies and frameworks.

Prerequisites: Continuing Students: 350, 351.

Post-diploma students: 345, 350, 351.

Corequisites: Post-diploma and Continuing Students: 431.

NURS 431 Units: 1.5
Nursing Practice VII: Engaging in Leadership

Opportunities to further develop competencies in the areas of leadership, influencing and managing change, and using research to promote the health of individuals, families, communities and society within the context of the Canadian health care system. Focus on participants' growth as nursing professionals;

opportunities to explore interprofessional practices and nursing leadership in the context of emerging Canadian and global health issues and trends.

Prerequisites: *Continuing Students:* 350, 351.

Post-diploma students: 345, 350, 351.

Corequisites: *Post-diploma and Continuing Students:* 430.

Grading: COM, F.

NURS 450 Units: 1.5 **Nursing Leadership and Management**

Enhances participants' understanding of the meaning of leadership and the tasks of management. World-views that influence perceptions of health care and health organizations, and current approaches to managing health care will be studied. Nursing leadership in establishing a climate in which quality of care and quality work environments can become a reality are emphasized.

NURS 470 Units: 4.5 **Consolidated Practice Experience IV**

This consolidated practice experience is designed to provide opportunities for participants to integrate learning from previous semesters, and to advance their professional nursing practice. Participants have opportunities to consolidate learning and advance their clinical decision making in a variety of settings. Nursing practice experiences consist of a six week practice placement.

Note: *CPE Workshops are required for continuing students.*

Prerequisites: 370.

Grading: COM, F.

NURS 475 Units: 4.5 **Consolidated Practice Experience V**

This final consolidated practice experience is designed to provide opportunities for participants to integrate learning from previous semesters, and to advance their professional nursing practice. In a variety of settings, participants have opportunities to consolidate learning, and advance their clinical decision making. Nursing practice experiences consist of a six week practice placement.

Note: *CPE Workshops are required for continuing students.*

Prerequisites: 360, 370, 430, 431.

Pre- or corequisites: 470.

Grading: COM, F.

NURS 481C Units: 1.5 **Nursing Practice in Hospice Palliative Care**

Explores nursing practice in hospice palliative care. Historical, theoretical, personal, and professional perspectives are presented for ongoing examination and analysis in relation to their impact on and guidance for nursing practice. Central to this exploration is a growing understanding of the human experience of persons living their dying and how we as nurses choose to engage with and serve hospice palliative care patients. It is our goal that, through examination of these various dimensions, students will be guided to practise with persons living their dying in ways that uphold human dignity and honour human uniqueness.

NURS 482 Units: 1.5 **Pharmacological Knowledge for Nursing Practice**

A systematic approach will be followed to develop knowledge of pharmacological, herbal and homeopathic interventions for common acute and chronic illnesses, medical conditions and disorders. Students will have the opportunity to explore a population of interest (e.g., pediatrics) and issues related to pharmacological interventions and marketing.

NURS 483 Units: 1.5 **Teaching and Learning in Nursing Practice**

Considers pedagogies that are consistent with a human science paradigm and health promotion perspective. In addition, students are expected to develop their unique approaches to teaching and learning within these perspectives. Focuses on pedagogical considerations involved in health promotion nursing practice.

NURS 484 Units: 1.5 **Nursing with Aboriginal Peoples in Canada**

An introduction to nursing with Aboriginal peoples in Canada. Through the use of storytelling, self-reflection, and a critical framework, learners are invited to enter into a "dialogue" with Aboriginal and non-Aboriginal individuals, community members and nurses. Together, as a community of learners, we will explore the essential concepts of relationship and power as related to working with Aboriginal people and communities. Major themes covered in the course materials and through course interactions are: an examination of colonialism in Canada and its impacts, particularly on Aboriginal people, cultural safety, ethical relationships, and the responsibilities of nurses working in this context. While primarily focused on nursing, all human service professionals are invited to participate in this course.

NURS 486 Units: 1.5 **Mental Health Challenges in Later Life**

Designed to assist frontline professionals to work with older persons who experience mental health problems. Studies will include: stressors affecting emotional health in the elderly, mental health assessment, interventions useful in the management of problematic behaviours in the elderly, environmental strategies for increasing functioning in older people, and community resources for meeting mental health needs. Provides multiple opportunities to apply theory in practice and to develop attitudes conducive to effecting positive changes in the workplace.

NURS 487 Units: 1.5 **Health Care Law**

Designed to allow students to develop an understanding of the origin and sources of the law as it applies to the Canadian health care system. Stimulates an appreciation for legal terminology, reasoning, and processes as well as the basic principles of law which apply to and govern the delivery of health care services in Canada. Designed to develop an ability to identify the legal aspects of health care practice, information systems and management as well as an ability to determine when and how to use legal counsel effectively.

Note: *Credit will be granted for only one of 487, HINF 330, HINF 491 (if taken in the same topic).*

NURS 488 Units: 1.5 **Women's Health**

Focuses on current women's health issues. Critically explores a broad array of women's health concerns from various philosophical perspectives including feminist, critical and phenomenological perspectives. Women's health issues may include such topics as reproductive health, menopause, violence, aging, breast cancer, depression, and sexuality. Taught in an interactive format through group discussion, presentations and the participation of guest speakers. Focuses on the consideration and critique of current influences on women's health including the effect of the health care system, the impact of the social and cultural context and the influence of evolving technology.

NURS 489 Units: 1.5 **Culture and Health**

A critical examination of the relationship between culture and health, and the impact of immigration, colonialism and racialization. Approaches to working within diversity to foster cultural safety are explored with a particular emphasis on health care for First Nations and immigrant people.

NURS 490 Units: 1.5 or 3.0 **Directed Studies**

Directed readings, research projects or special studies in a specified area of interest. A proposal is developed in consultation with a faculty member and includes a plan for the evaluation of the student's work. The proposal must receive the approval of the Director or designate before students are permitted to register.

Note: *Offered as resources permit.*

NURS 491 Units: 4.5 **Nursing Practice VIII: Transitions**

The nursing practice experience provides opportunities for participants to consolidate their learning and explore the transition to professional nursing as a BSN graduate. Participants also explore transitions in the health care system and the workplace that affect nurses. Participants may develop their practice within a specific area, e.g., particular setting of practice, a certain client population, or a specific health challenge.

Note: *CPE Workshops are required for continuing students.*

Prerequisites: 470.

Pre- or corequisites: 475.

Grading: COM, F.

NURS 493A Units: 1.5 **Community Health Nursing**

The theoretical and conceptual foundations of community health nursing practice. Students will explore and critique nurses' roles in community health nursing, particularly in public health and in primary health care settings. Provides opportunities to advance and/or to add to your nursing knowledge and experience. Community health assessment, individual health assessment, population-focused practice, epidemiology, communicable disease control, and health-promoting practice with specific populations and in relation to specific health issues are explored and critiqued.

Prerequisites: *Continuing students: completion of Term 6, or permission of the department.*

NURS 493C Units: 1.5 **Lived Experience of Health in Aging**

The complex nature of aging and health. Students will explore the determinants of health, as well as the common chronic and episodic challenges of health and healing in later life. Changing demographics and societal forces influencing present and future health care of older persons will be analyzed and critiqued. In addition, nursing theory and issues related to the delivery of care with older persons will be examined. Health promotion and nursing practice, and environments that support healthy aging are integral to this course.

Prerequisites: *Continuing students: completion of Term 6, or permission of the department.*

NURS 494 Units: 1.5 **Nursing Practice in Cancer Care**

Begins from the premise that the person who is living with cancer is the expert in his or her own experience and life. This approach offers the student complexity in grappling with the variety of human experiences in relation to cancer diagnosis and treatment, examines the role of the cancer care team, and offers the op-

portunity to explore the power relations informing expert practices.

NURS 495 Units: 1.5-4.5 Nursing Practice Synthesis

This final practice course is designed to foster integration and synthesis of prior course work. The focus is on research and theory-based nursing practice.

Note: Post-diploma students may take 495 more than once for credit to a maximum of 4.5 units. Students who wish to condense their practice hours will not be able to do so until after week six of the course.

Prerequisites: Post-diploma students: 345, 350, 351.

Grading: COM, F.

PAAS

Pacific and Asian Studies

Department of Pacific and Asian Studies Faculty of Humanities

Chinese Language Courses:

The department takes two criteria into account in considering advanced placement for students entering Chinese language courses at the University. One of these is competence in spoken Modern Standard Chinese (Mandarin); the other is ability to read and write the Chinese script.

For purposes of course placement, the department normally defines "native speakers" as those who are native speakers of any of these languages and who are also able to read at least simple materials (i.e., at the middle school level) written in the Chinese script. "Native speakers" who lack a good foundation in spoken Mandarin or whose reading ability in Chinese is not equivalent to that of a high school graduate should register in PAAS 212 or 313; others should register in PAAS 410.

Students whose ability to read and write Chinese is limited but who have some experience in spoken Mandarin, including those with high school credit in Mandarin, should consult the department about advanced placement. Students who register in Chinese language courses without such consultation may be required to transfer to different courses at the department's discretion. Note that students who have passed the provincial examination in Mandarin 12 may not register in PAAS 110 or 111.

Indonesian and Japanese Language Courses:

Courses marked * are not available to native speakers of Indonesian and Japanese. A native speaker is normally defined in this context as a person who has received sufficient instruction to be literate in the language. Students who are not native speakers, but who do have some knowledge of the language, will be placed at an appropriate level; however, such students may, at the instructor's discretion, be required to withdraw or to transfer to a higher level course should their language proficiency prove greater than was initially supposed.

PAAS 100 Units: 1.5 Hours: 3-0 Introduction to Pacific and Asian Studies

Central themes and various aspects of Asian and Pacific Studies from the early-modern period to the present day. Studies of film, literature, religion, politics and economics.

PAAS 101 Units: 1.5 Hours: 3-0 Introduction to Textual Analysis

The process of textual analysis, covering the written word, film and theatre from different genres, eras and countries.

PAAS 110 Units: 3.0 Hours: 6-1

Formerly: CHIN 149 Intensive Chinese I

Intensive Chinese language instruction for beginning language students.

Note: Credit will be granted for only one of 110, CHIN 149, 100A, 100B. Not open to native speakers. Limited to 25 students per section.

PAAS 111 Units: 3.0 Hours: 6-1

Formerly: CHIN 150 Intensive Chinese II

Continuation of 110 for those students who intend to practise their listening comprehension, speaking and reading abilities, and writing skills on a more advanced level.

Note: Credit will be granted for only one of 111, CHIN 150, 200, 200A, 200B. Not open to native speakers. Limited to 25 students per section.

Prerequisites: Normally a minimum final grade of B in 110 or CHIN 149 or equivalent.

PAAS 120* Units: 1.5 Hours: 3-1

Formerly: SEA 100A

Introduction to Indonesian-Malay I

Indonesian-Malay for students with no previous knowledge of the language with emphasis on developing listening comprehension and speaking ability; common conversational patterns, as well as some of the cultural reasoning behind them. Reading and writing will also be introduced.

Note: Credit will be granted for only one of 120, SEA 100A. Limited to 25 students per section.

PAAS 121* Units: 1.5 Hours: 3-1

Formerly: SEA 100B

Introduction to Indonesian-Malay II

Basic conversations and grammar in Indonesian-Malay and readings of a variety of elementary textual materials.

Note: Credit will be granted for only one of 121, SEA 100B. Limited to 25 students per section.

Prerequisites: A minimum grade of B in 120 or SEA 100A or permission of the department.

PAAS 130* Units: 3.0 Hours: 6-1

Formerly: JAPA 149

Introductory Japanese I

Japanese language instruction for beginning language students. Development of basic language skills, including listening comprehension, speaking, reading and writing, through lectures, class discussions, tutorials for conversation practice, laboratory sessions, and other activities.

Note: Credit will be granted for only one of 130, JAPA 149, 100A, 100B, or equivalent.

PAAS 131* Units: 3.0 Hours: 6-1

Formerly: JAPA 150

Introductory Japanese II

Continuation of 130 for those students who intend to practise their listening comprehension, speaking and reading abilities, and writing skills on a more advanced level.

Note: Credit will be granted for only one of 131, JAPA 150, 200.

Prerequisites: A minimum grade of B in 130 or JAPA 149 or equivalent.

PAAS 150 Units: 1.5 Hours: 3-0

Formerly: CHIN 201A

Aspects of Chinese Culture I

An introduction to the history and culture of China from earliest times to the mid-19th century. Philosophy, religion, art and literature will be the most important areas of discussion. Relevant political, eco-

nomic, social and educational traditions will be introduced as well.

Note: Credit will be granted for only one of 150, CHIN 201A, 201. No knowledge of Chinese language is required.

PAAS 151 Units: 1.5 Hours: 3-0

Formerly: CHIN 201B

Aspects of Chinese Culture II

A survey of Chinese culture from the mid-19th century to the present. Contemporary culture patterns will be placed in traditional perspective, while relevant political, economic and social contexts will also be considered. Emphasizing the effects of modern events on cultural life, particularly literature, the arts, religion and education system.

Note: Credit will be granted for only one of 151, CHIN 201B, 201.

Prerequisites: 150, CHIN 201A; or permission of the department.

PAAS 170 Units: 1.5 Hours: 3-0

Formerly: SEA 201A, half of 201

Southeast Asian Cultures and Societies I

A survey of cultural developments in Southeast Asia from earliest times to the 19th century.

Note: Credit will be granted for only one of 170, SEA 201A, 201.

PAAS 171 Units: 1.5 Hours: 3-0

Formerly: SEA 201B, half of 201

Southeast Asian Cultures and Societies II

Examines the development of modern Southeast Asian cultures, paying particular attention to media such as the press, popular music, theatre, film and television.

Note: Credit will be granted for only one of 171, SEA 201B, 201.

Prerequisites: 170 or SEA 201A or permission of the department.

PAAS 180 Units: 1.5 Hours: 3-0

Formerly: JAPA 201A

Aspects of Japanese Culture I

Surveys Japan's cultural past from earliest times to the mid-19th century. Emphasizes the outstanding cultural developments of each epoch, especially in the areas of literature, drama, philosophy and religion, and the visual arts. No knowledge of Japanese language is required.

Note: Credit will be granted for only one of 180, JAPA 201A, 201.

PAAS 181 Units: 1.5 Hours: 3-0

Formerly: JAPA 201B

Aspects of Japanese Culture II

Survey of Japanese culture from the mid-19th century to the present. Cultural developments will be considered in their historical and social contexts. Aspects of contemporary society, and Japan's position in the world community will be considered. No knowledge of Japanese language is required.

Note: Credit will be granted for only one of 181, JAPA 201B, 201.

PAAS 182 Units: 1.5 Hours: 10-0

Formerly: JAPA 201C

Aspects of Japanese Culture III

An intensive, three-week course to introduce features of Japanese culture to students involved in an immersion Japanese language and culture program. Enrolment requires full participation in that program (including intensive language study). Covers Japan since 1945 with an emphasis on practical cultural issues such as education, government, workplace issues, Japanese social structure, gender relations and family problems, as well as literature, and popular and consumer culture.

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Note: Credit will be granted for only one of 182, JAPA 201C.

Prerequisites: Registration in the immersion Japanese language and culture program.

PAAS 200 Units: 1.5 Hours: 3-0
Introduction to Theories and Methods in Pacific and Asian Studies

A variety of theoretical approaches and perspectives applicable to the study of the Pacific and Asian region.

Pre- or corequisites: 100 or PACI 210.

PAAS 201 Units: 1.5 Hours: 3-0
 Formerly: PACI 280
Cultural Politics and Popular Culture in Asia and the Pacific

Introduces popular culture theory and various forms of popular culture in selected areas of Asia and the Pacific. Emphasis will be historical/comparative with the intent to place Asia-Pacific developments in a wider world context. Topics and areas variable according to instructor.

Note: Credit will be granted for only one of 201, PACI 280.

PAAS 202 Units: 1.5 Hours: 3-0
Topics in Asian Cinema

The analysis of thematic issues, variations, stylistic considerations and mechanics of meaning production in Asian cinema. Looks at both contemporary and classic films from Japan, China, Taiwan and Indonesia.

PAAS 203 Units: 1.5 Hours: 3-0
Imagining the Asia-Pacific

Representations of the Asia-Pacific and its people by Western writers and artists. Examines the processes whereby political, economic and other factors have changed popular perceptions of the Asia-Pacific.

Prerequisites: Second-year standing or permission of the department.

PAAS 204 Units: 1.5 Hours: 3-0
 Also: RS 200B
Introduction to Hinduism, Buddhism, Sikhism and the Chinese Religions

A survey of the sources, beliefs and practices of Hinduism, Buddhism, Sikhism and the Chinese religions. The traditions will be studied in their cultural and political contexts from both historical and contemporary perspectives.

Note: Credit will be granted for only one of 204, RS 200B.

PAAS 205 Units: 1.5 Hours: 3-0
Indigenous Peoples of the Indo-Pacific Region

Introduces the societies, cultures and life conditions of local populations on the fringes of the great traditions.

PAAS 208 Units: 1.5 Hours: 3-0
Family and Gender in the Pacific

Introduces domestic relationships, constructs of gender and their intersections with broader political and economic processes in the Pacific.

PAAS 209 Units: 1.5 or 3.0 Hours: 3-0
 Formerly: PACI 281
Introductory Special Topics in Pacific and Asian Studies

Introduces selected problems in Pacific Studies.

Note: Credit will be granted for only one of 209, PACI 281 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

PAAS 210 Units: 1.5 Hours: 3-1
 Formerly: CHIN 249A, half of 249
Intermediate Modern Chinese

A sequel to 111. Primary emphasis on reading and translation of texts in modern Chinese in both standard and simplified characters. Introduction of elements of the classical language as used in modern writing. Attention also to listening, speaking and/or writing skills.

Note: Credit will be granted for only one of 210, CHIN 249A, 249, 281, 300. Not open to native speakers. Limited to 25 students per section.

Prerequisites: Normally a minimum final grade of B in 111 or CHIN 150 or equivalent.

PAAS 211 Units: 1.5 Hours: 3-1
 Formerly: CHIN 249B, half of 249
Intermediate Modern Chinese II

A continuation of 210, with increasing emphasis placed on acquiring new vocabulary and developing reading skills. Students will also have the opportunity to make more advanced classroom presentations and present longer written assignments in Chinese.

Note: Credit will be granted for only one of 211, CHIN 249B, 249, 300. Not open to native speakers. Limited to 25 students per section.

Prerequisites: Normally a minimum final grade of B in 210 or CHIN 249A.

PAAS 212 Units: 1.5 Hours: 3-0
 Formerly: CHIN 220
Elementary Mandarin for Speakers of Other Chinese Languages

Trains speakers of non-Mandarin forms of Chinese (e.g., Cantonese) in the sounds of Mandarin Chinese. Students will learn the pinyin romanization system; concentration will be on listening and speaking. Characters will be introduced in both full and simplified variants.

Note: Credit will be granted for only one of 212, CHIN 220, 410. Not open to non-native speakers. Limited to 35 students per section.

Prerequisites: Knowledge of a non-Mandarin form of Chinese and permission of the department.

PAAS 220* Units: 1.5 Hours: 3-1
 Formerly: SEA 200A, half of 200
Intermediate Indonesian-Malay I

A continuation of 121 for students who wish to improve their skills in Indonesian-Malay. Includes advanced grammar and use of simple newspaper materials to stimulate students' ability to read and discuss a variety of topics.

Note: Credit will be granted for only one of 220, SEA 200A, 200. Limited to 25 students per section.

Prerequisites: A minimum grade of B in 121 or SEA 100B or permission of the department.

PAAS 221* Units: 1.5 Hours: 3-1
 Formerly: SEA 200B, half of 200
Intermediate Indonesian-Malay II

Continues the focus of 220 with increasingly-advanced readings, schema exercises to facilitate vocabulary building and longer written assignments. Emphasis on speaking, reading, writing and listening prepares students for immersion experiences and advanced language work.

Note: Credit will be granted for only one of 221, SEA 200B, 200. Limited to 25 students per section.

Prerequisites: 220 or SEA 200A or permission of the department.

PAAS 230* Units: 3.0 Hours: 6-0-1
 Formerly: JAPA 249
Intermediate Japanese I

A continuation of 131, aimed at a balanced development of listening, speaking, reading, and writing

skills. Classes offer practice in listening comprehension, conversation, reading, translation, and composition.

Note: Credit will be granted for only one of 230, JAPA 249, 300, 311.

Prerequisites: A minimum grade of B in 131, or JAPA 150 or equivalent, or permission of the department.

PAAS 250 Units: 1.5 Hours: 3-0
Engendering China

Examines the history of China through gender roles and ideologies in the late imperial and modern periods, exploring women's experiences in the family, education, labour and revolution. Analyzes how gendered notions of identity and morality helped create and shape important social and political structures.

PAAS 279 Units: 1.5 Hours: 3-0
 Also: LING 261
 Formerly: CHIN 261
Introduction to the Chinese Language and Linguistics

The synchronic and diachronic descriptions of Chinese. Subjects covered may include phonology, morphology, syntax, semantics, historical changes, poetics, dialectology, orthography, the sociolinguistic and psycholinguistic aspects of Chinese, the relationship between the Chinese language, thought, culture, and the history of Chinese linguistics.

Note: Credit will be granted for only one of 279, CHIN 261, LING 261.

PAAS 289 Units: 1.5 Hours: 3-0
 Also: LING 260
 Formerly: JAPA 260
Introduction to the Japanese Language and Linguistics

Introduces the synchronic and diachronic descriptions of Japanese; subjects covered may include: phonology, morphology, syntax, semantics, historical changes, poetics, dialectology, orthography, the sociolinguistic and psycholinguistic aspects of Japanese, the relationship between Japanese language, thought, and culture, and the history of Japanese linguistics. Previous knowledge of Japanese not necessary.

Note: Credit will be granted for only one of 289, JAPA 260, LING 260.

PAAS 294 Units: 1.5 Hours: 3-0
 Formerly: PACI 270
Ethical Issues in Contemporary Asian Societies

Introduces contemporary moral issues in societies of selected areas of modern Asia. Emphasis will be on religious traditions and worldviews in relation to current social and ethical problems.

Note: Credit will be granted for only one of 294, PACI 270.

PAAS 295 Units: 1.5 Hours: 3-0
Islam in the Asia-Pacific

Examines debates within Islamic communities and representations of Islam by non-Muslims.

Prerequisites: Second-year standing or permission of the department.

PAAS 300 Units: 1.5 Hours: 3-0
 Formerly: PACI 325
Social and Economic Change in the Pacific Region

Studies theories of long-term social and economic change. Particular focus is on political economy and world-systems theories and how models represent and explain change in the region. Case material is drawn from Southeast Asia, Oceania and East Asia.

Note: Credit will be granted for only one of 300, PACI 325.

Prerequisites: 200 or PACI 290.



PAAS 301 Units: 1.5 Hours: 3-0
Formerly: PACI 390
Social Theory and Analysis in Pacific and Asian Area Studies

Theoretical perspectives applicable to the field of Pacific Area Studies.

Note: Credit will be granted for only one of 301, PACI 390.

Prerequisites: 200 or PACI 290.

PAAS 302 Units: 1.5 Hours: 3-0
Formerly: PACI 392
Literary and Cultural Theory in Pacific and Asian Languages and Literatures Studies

Introduces key literary and cultural theories pertinent to the study and understanding of Pacific and Asian literary texts.

Note: Credit will be granted for only one of 302, PACI 392.

Prerequisites: 200 or PACI 290.

PAAS 303 Units: 1.5 Hours: 3-0
Qualitative Methods for the Study of Asia and the Pacific

Reviews qualitative methods used to describe and analyze social patterns and experiences of people in or from the Asia-Pacific region.

Prerequisites: 200 or permission of the department.

PAAS 305 Units: 1.5 Hours: 3-0
Religions of East Asia

A survey of the religious literature and systematic thought of the traditions of China and Japan, including Confucianism, Daoism, Buddhism and Shinto.

Prerequisites: 204 or RS 200B.

PAAS 306 Units: 1.5 Hours: 3-0
Indo-Tibetan Religious Traditions

A survey of the main systems of Indo-Tibetan religious thought, with reference to primary sources. Traditions covered may include the six orthodox Hindu schools, the various Indian heterodox systems, Bon and the main branches of Tibetan Buddhism.

Prerequisites: 204 or RS 200B.

PAAS 307 Units: 1.5 Hours: 3-0
Globalization and Religion

Examines how scholars account for simultaneous worldwide religious resurgence and economic globalization.

Prerequisites: Third-year standing or permission of the department.

PAAS 308 Units: 1.5 Hours: 3-0
Religion and Political Power

Addresses recent scholarly debates over the relationship between religion and political power in the Asia-Pacific. Specific content varies from year to year, but topics may include gender, terrorism, globalization, democracy, the state, secularism, freedom.

Prerequisites: Third-year standing or permission of the department.

PAAS 310 Units: 1.5 Hours: 3-0
Formerly: CHIN 349A, half of 349
Advanced Readings in Modern Chinese I

A sequel to 211. Reading and discussion of materials in Modern Chinese at a more advanced level. Opportunity will be provided for practice in conversation.

Note: Credit will be granted for only one of 310, CHIN 349A, 349, 400. Not open to native speakers. Limited to 25 students per section.

Prerequisites: Normally a minimum final grade of B in 211 or CHIN 249B or 249 or equivalent.

PAAS 311 Units: 1.5 Hours: 3-0
Formerly: CHIN 349B, half of 349
Advanced Readings in Modern Chinese II

A continuation of 310. In addition to studying the class textbooks, students will be exposed to written Chinese in a number of styles drawn from newspapers, journals and books from Mainland China and Taiwan, and selected Internet sites.

Note: Credit will be granted for only one of 311, CHIN 349B, 349, 400. Not open to native speakers. Limited to 25 students per section.

Prerequisites: Normally a minimum final grade of B in 310 or CHIN 349A or equivalent.

PAAS 312 Units: 1.5 Hours: 3-0
Formerly: CHIN 310A
Classical Chinese Prose

Introduces the key features of grammar, syntax and usage of literary Chinese, employing intensive study of a set of readings in the language. Readings will be of literary texts ranging from pre-Han to the Song dynasty.

Note: Credit will be granted for only one of 312, CHIN 310A.

Prerequisites: Non-native speakers: a minimum grade of B in 211 or CHIN 249B or 249. Open to native speakers without prerequisite.

PAAS 313 Units: 1.5 Hours: 3-0
Formerly: CHIN 320
Intermediate Mandarin for Speakers of Other Chinese Languages

A sequel to 212. Continues instruction in the sounds of Mandarin Chinese, and adds the reading and writing of Chinese characters. Concentration will be on oral presentation, reading comprehension and composition skills.

Note: Credit will be granted for only one of 313, CHIN 320, 410. Not open to non-native speakers.

Prerequisites: Minimum grade of B in 212 or CHIN 220 or permission of the department.

PAAS 330* Units: 3.0 Hours: 6-0-1
Formerly: JAPA 311, 250
Intermediate Japanese II

A continuation of 230, offering further balanced development of language skills. Classes will be conducted in Japanese.

Note: Credit will be granted for only one of 330, JAPA 311, 250.

Prerequisites: A minimum grade of B+ in 230 or JAPA 249 or equivalent.

PAAS 331* Units: 1.5 Hours: 3-0
Formerly: JAPA 312
Advanced Readings in Japanese I

Readings in modern Japanese, designed to broaden students' acquaintance with the Japanese writing system, expand their working vocabulary, and provide a firmer grounding to their general knowledge of the language. Course content may vary from year to year.

Note: Credit will be granted for only one of 331, JAPA 312, 400.

Prerequisites: A minimum grade of A- in 330 or JAPA 311 or 250 or permission of the department.

PAAS 332* Units: 1.5 Hours: 3-0
Formerly: JAPA 313
Advanced Readings in Japanese II

A continuation of 331 for students who wish to expand their working vocabulary and develop their skills in reading modern Japanese. Course content may vary from year to year.

Note: Credit will be granted for only one of 332, JAPA 313, 400.

Prerequisites: A minimum grade of A- in 330 or JAPA 311 or 250 or permission of the department.

PAAS 333* Units: 1.5 Hours: 3-0
Formerly: JAPA 314
Advanced Comprehension and Conversation in Japanese

An advanced course designed to develop knowledge of practical Japanese through listening and speaking practice.

Note: Credit will be granted for only one of 333, JAPA 314, 411.

Prerequisites: A minimum grade of A- in 330 or JAPA 311 or 250 or permission of the department.

PAAS 334* Units: 1.5 Hours: 3-0
Formerly: JAPA 315
Advanced Composition in Japanese I

An advanced course designed to develop knowledge of written Japanese through practical writing practice.

Note: Credit will be granted for only one of 334, JAPA 315, 411.

Prerequisites: A minimum grade of A- in 330 or JAPA 311 or 250 or permission of the department.

PAAS 350 Units: 1.5 Hours: 3-0
Formerly: PACI 319A
Chinese Economy, Politics and Culture

Provides interpretations for various attempts to modernize and industrialize China in the 19th and early 20th centuries. It also examines the counterculture of China and the triumph of Mao in 1949.

Note: Credit will be granted for only one of 350, PACI 319A, 319.

Prerequisites: Third-year standing.

PAAS 351 Units: 1.5 Hours: 3-0
Formerly: PACI 319B
Contemporary Chinese Society

Traces China's economic development and socialist transformation since 1949.

Note: Credit will be granted for only one of 351, PACI 319B, 419.

Prerequisites: Third-year standing.

PAAS 353 Units: 1.5 Hours: 3-0
Survey of Classical Chinese Literature

Introduces major topics and masterpieces in classical Chinese literature from earliest times to the Qing Dynasty (1644-1911). Readings are in both Chinese and English. Basic knowledge of Chinese language is required.

Prerequisites: Non-native speakers: a minimum grade of B+ in 211 or CHIN 249B, or permission of the department.

Open to native speakers without prerequisites.

PAAS 354 Units: 1.5 Hours: 3-0
Formerly: CHIN 304
Masterworks of Chinese Fiction

A selection from the Chinese tradition of fiction and theatre, with a focus on the great novels, short stories and dramas of the Ming (1368-1644) and Qing (1644-1911) dynasties. Studies Western and Chinese views of this literature, including introductions and commentaries for the novels. Readings are in English; Chinese versions of all primary texts, and secondary texts where applicable, are available.

Note: Credit will be granted for only one of 354, CHIN 304.

Prerequisites: Second-year standing or permission of the department.

PAAS 355 Units: 1.5 Hours: 3-0
Formerly: **CHIN 305**
Modern Chinese Literature and Society 1900-1949 in English

A historical overview, followed by a study of selected works of fiction, poetry, drama, memoir, film, and popular song from late Qing and Republican (1911-1949) China, a time of political turmoil and intellectual and cultural innovation. Supplementary readings in social and political history and literary criticism. Chinese versions of primary texts and secondary texts where applicable, may be available.

Note: Credit will be granted for only one of 355, CHIN 305.

Prerequisites: Second-year standing or permission of the department.

PAAS 356 Units: 1.5 Hours: 3-0
Formerly: **CHIN 306**
The Literature of the People's Republic of China 1949 to the Present in English

A study of Chinese literary texts created in a range of forms and styles during the period of communist rule, with an emphasis on the years since the death of Mao and the end of the Cultural Revolution (1976 to the present). Chinese versions of all primary texts and secondary texts may be available.

Note: Credit will be granted for only one of 356, CHIN 306.

Prerequisites: Second-year standing or permission of the department.

PAAS 357 Units: 1.5 Hours: 3-0
Formerly: **CHIN 324**

Topics in Contemporary Chinese Cinema

Explores topics in contemporary films from China, Hong Kong, and Taiwan. The topics and films covered will vary from year to year.

Note: Credit will be granted for only one of 357, CHIN 324.

Prerequisites: Second-year standing or permission of the department.

PAAS 358 Units: 1.5 Hours: 3-0
Formerly: **CHIN 325**

Screening the Nation: Nationalism, Ideology, and Politics in Chinese Cinema

Provides a theoretical and thematic framework for the analysis of films from Mainland China from the 1930s to the present.

Note: Credit will be granted for one of 358, CHIN 325.

Prerequisites: Second-year standing or permission of the department.

PAAS 364 Units: 1.5 Hours: 3-0
Formerly: **PACI 328A**
Indigenous Societies and Colonial Relations in Oceania

Studies indigenous societies and cultures of the Pacific Islands and their links to the world system. Material on Fiji, Tonga, Hawaii, New Zealand and other parts of the region provides a basis to examine classical and current issues.

Note: Credit will be granted for only one of 364, PACI 328A.

Prerequisites: Third-year standing.

PAAS 365 Units: 1.5 Hours: 3-0
Formerly: **PACI 328B**

Society and Politics in Small Pacific States

Studies political systems and social change in the micro states and territories of the region.

Note: Credit will be granted for only one of 365, PACI 328B.

Prerequisites: Third-year standing.

PAAS 368 Units: 1.5 Hours: 3-0
Formerly: **PACI 323A**

Culture and Power in Southeast Asia

Explores colonialism, post-colonialism and globalization in Southeast Asia.

Note: Credit will be granted for only one of 368, PACI 323A, 323.

Prerequisites: Third-year standing.

PAAS 369 Units: 1.5 Hours: 3-0
Formerly: **PACI 323B**

Development and the State in Southeast Asia

Studies the relationships between political power, identity and economic development in contemporary Southeast Asia.

Note: Credit will be granted for only one of 369, PACI 323B, 423.

Prerequisites: Third-year standing.

PAAS 370 Units: 1.5 Hours: 3-0
Formerly: **SEA 302B**

Indonesian and Pacific Literature

Explores the literatures of Indonesia and the Pacific Islands in the context of social change and popular cultural expression.

Note: Credit will be granted for only one of 370, SEA 302B, 302, 202.

Prerequisites: Third-year standing or permission of the department.

PAAS 371 Units: 1.5 Hours: 3-0
Narrating Southeast Asia: Novels, Films and History

Examines the overlap and contrasts between different kinds of narratives—fiction, film and history—using case studies from Southeast Asia.

Prerequisites: Third-year standing or permission of the department.

PAAS 372 Units: 1.5 Hours: 3-0
Formerly: **SEA 324**

Southeast Asian Cinema

A survey of trends in the cinemas of Indonesia, Thailand, the Philippines and Malaysia/Singapore.

Note: Credit will be granted for only one of 372, SEA 324.

Prerequisites: Third-year standing or permission of the department.

PAAS 373 Units: 1.5 Hours: 3-0
Also: **THEA 328**
Formerly: **SEA 320**

The Theatre of Indonesia

Examines trance dances, traditional puppet theatres of Java and Bali, folk theatres of Java, Bali and Sumatra and national Indonesian language-art theatre and drama.

Note: Credit will be granted for only one of 373, SEA 320, THEA 328.

Prerequisites: Third-year standing or permission of the department.

PAAS 380 Units: 1.5 Hours: 3-0
Formerly: **PACI 321A**

Japanese Economy, Politics and Culture

Examines various aspects of the history of Japan, with emphasis on the complex, changing relationship of the economy, politics, culture and ideas.

Note: Credit will be granted for only one of 380, PACI 321A, 321.

Prerequisites: Third-year standing or permission of the department.

PAAS 385 Units: 1.5 Hours: 3-0
Formerly: **JAPA 359**

Love and Sex in Japanese Culture

A seminar on love and sex in Japan, from earliest times to the present day. Readings include fiction, drama and poetry.

Note: Credit will be granted for only one of 385, JAPA 359, 358 (if either taken in the same topic).

Prerequisites: Third-year standing or permission of the department.

PAAS 386 Units: 1.5 Hours: 3-0
Formerly: **JAPA 302A and 302B**

Premodern Japanese Literature in Translation

Surveys through materials in English translation Japanese literature from the earliest times to the eve of the Meiji Restoration. Major literary trends will be examined including poetry, literary diaries, zuihitsu, Noh drama, puppet theatre and popular fiction.

Note: Credit will be granted for only one of 386, JAPA 302A, 302B, 302.

Prerequisites: Second-year standing or permission of the department.

PAAS 388 Units: 1.5 Hours: 3-0
Formerly: **JAPA 303A and 303B**

Modern Japanese Literature in Translation

Surveys through selected English translations Japanese literature from the Meiji Restoration to the present day. Focuses on thematic and stylistic developments of various genres of Japanese literature, and covers such authors as Natsume Soseki, Mori Ogai, Kawabata Yasunari, Oe Kenzaburo, Mishima Yukio and Murakami Haruki.

Note: Credit will be granted for only one of 388, JAPA 303A, 303B, 303.

Prerequisites: Second-year standing or permission of the department.

PAAS 393 Units: 1.5 Hours: 3-0
Formerly: **JAPA 324A**

Humanism in Japanese Cinema to 1960

Examines the philosophies underlying the films of representative directors from the pre-war years up to 1960.

Note: Credit will be granted for only one of 393, JAPA 324A.

Prerequisites: Second-year standing or permission of the department.

PAAS 394 Units: 1.5 Hours: 3-0
Also: **THEA 312**
Formerly: **JAPA 320A**

Introduction to the History of Japanese Theatre

Surveys Japanese theatre history from earliest times until the present day. Introduction to the major forms, styles and theory of Japanese theatre, both premodern and modern.

Note: Credit will be granted for only one of 394, JAPA 320A, THEA 312.

Prerequisites: Second-year standing or permission of the department.

PAAS 399 Units: 1.5 Hours: 3-0
Also: **LING 396**
Formerly: **JAPA 396**

Sociolinguistic Issues in Japanese

Examines the Japanese language in its social context. A wide range of sociolinguistic topics will be covered, including non-verbal communication and types of Japanese spoken outside of Japan. Attention will be given to linguistic, dialectal, and stylistic variation in speech communities, and to sociolinguistic considerations such as class, gender, and social setting.

Note: Credit will be granted for only one of 399, JAPA 396, LING 396.

Prerequisites: Second-year standing.

PAAS 400 Units: 1.5 Hours: 3-0
Formerly: PACI 490A, half of 490
Advanced Research Seminar

Leads to the research and writing of a major paper on a theme relevant to the Asia-Pacific.

Note: Credit will be granted for only one of 400, PACI 490A.

Prerequisites: One of 300 or PACI 325, 301 or PACI 390, or 302 or PACI 392.

PAAS 401 Units: 1.5 Hours: 3-0
Formerly: PACI 416
Seminar on Culture in Asia and the Pacific

Examines a contemporary cultural issue in the Asia Pacific.

Note: Credit will be granted for only one of 401, PACI 416 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

Prerequisites: Third-year standing or permission of the department.

PAAS 402 Units: 1.5 Hours: 3-0
Formerly: PACI 443
Asian Canadians and Their Homelands

Seminar on the basic social structure of the home communities of Asian immigrants, and the political, economic and social forces leading to their migration to Canada.

Note: Credit will be granted for only one of 402, PACI 443.

Prerequisites: Third-year standing or permission of the department.

PAAS 403 Units: 1.5 Hours: 3-0
Capitalist Economy and the Asia-Pacific

Examines the current situation of the Asia-Pacific under the rubric of globalization with an emphasis on the changing nature of capitalist economy as well as relevant theories.

Prerequisites: Third-year standing.

PAAS 405 Units: 1.5 Hours: 3-0
Reproduction and Sexuality in the Asia-Pacific

The ideologies, politics and cultural values that affect sexuality and reproduction in Asian and Pacific societies.

Prerequisites: Third-year standing or permission of the department.

PAAS 406 Units: 1.5 Hours: 3-0
Ideology and Cultural Conflict in the Asia-Pacific

Examines cultural conflict in literature, theatre, film, music and graphic arts.

Prerequisites: Third-year standing or permission of the department.

PAAS 409 Units: 1.5 Hours: 3-0
Globalization, Cosmopolitanism and Asian-Pacific Cultures

Explores the ways in which cultural writers, filmmakers and popular musicians in the Asia-Pacific region attempt to make sense of their worlds and construct identities in literature, film and songs.

Prerequisites: Third-year standing or permission of the department.

PAAS 410 Units: 3.0 Hours: 3-0
Formerly: CHIN 420
Advanced Mandarin for Native Speakers of Chinese

Intended for literate speakers of Chinese. Reading and discussion from the Chinese literary and cultural traditions.

Note: Credit will be granted for only one of 410, CHIN 420 (if taken in the same topic). Not open to non-

native speakers. May be taken more than once in different topics to a maximum of 6 units with permission of the Chinese Program Adviser.

Prerequisites: Third-year standing or permission of the department.

PAAS 411 Units: 1.5 or 3
Formerly: CHIN 480
Directed Readings in Chinese Language

Extensive readings chosen in consultation with the instructor.

Note: Credit will be granted for only one of 411, CHIN 480 (if taken in the same topic). Not open to native speakers of Chinese. May be taken more than once with permission of the department.

Prerequisites: A minimum grade of A- in 311 or CHIN 349B or 349 (for non-native speakers) or permission of the department.

PAAS 430 Units: 1.5 Hours: 3-0
Formerly: JAPA 403A and 403B
Seminar in Modern Japanese Literature

Intended for advanced students prepared to read literary texts in modern Japanese. Course content may include contemporary fiction, drama and/or poetry, and may vary from year to year. May be taken by native speakers.

Note: Credit will be granted for only one of 430, JAPA 403A, 403B (if taken in the same topic). May be taken more than once for credit in different topics with permission of the department.

Pre- or corequisites: 334 or JAPA 313 or equivalent; or a minimum grade of A- in 332 or JAPA 312 plus enrolment in 334; or permission of the department.

PAAS 432* Units: 1.5 or 3.0
Formerly: JAPA 480
Directed Readings in Japanese

Designed for advanced students prepared to read extensively in Japanese. Readings will be assigned by the instructor in consultation with the participating students.

Note: Credit will be granted for only one of 432, JAPA 480 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the department and the Japanese Program Adviser. Not open to native speakers.

Pre- or corequisites: 332 or JAPA 313 or equivalent level of language competence; minimum grade of A- in 331 or JAPA 312 plus enrolment in 332 or permission of the department.

PAAS 450 Units: 1.5 Hours: 3-0
Formerly: PACI 420
Seminar on Social Issues in China

Explores selected aspects of modern and pre-modern China.

Note: Credit will be granted for only one of 450, PACI 420.

Prerequisites: Third-year standing or permission of the department.

PAAS 455 Units: 1.5 Hours: 3-0
Formerly: CHIN 307
Authors in Contemporary Chinese Literature in Translation

A study of works of fiction, drama and/or film on a single topic or by a single major figure from the 20th and 21st centuries. Chinese and English versions of all primary texts will be available.

Note: Credit will be granted for only one of 455, CHIN 307.

Prerequisites: 302 or PACI 392.

PAAS 456 Units: 1.5 Hours: 3-0
Thematic Study of Contemporary Chinese Literature in Translation

Intensive study of a small number of works of fiction, drama and/or film on a single theme from the 20th or early 21st centuries.

Prerequisites: One of 354 or CHIN 304, 355 or CHIN 305, 356 or CHIN 306, 301 or PACI 390, 302 or PACI 392; or permission of the department.

PAAS 457 Units: 1.5 Hours: 3-0
Authors in Classical Chinese Literature

Studies of a number of works of poetry, prose or both by one major literary figure of the Tang Dynasty. Readings are in Chinese.

Prerequisites: Non-native speakers: a minimum grade of B+ in 211 or CHIN 249B, or permission of the department.

Open to native speakers without prerequisites.

PAAS 458 Units: 1.5 Hours: 3-0
Themes in Classical Chinese Literature

Studies of a number of works of poetry, prose, or historiography on a single theme from earliest times to the Qing Dynasty. Readings are in Chinese.

Prerequisites: Non-native speakers: a minimum grade of B+ in 211 or CHIN 249B, or permission of the department.

Open to native speakers without prerequisites.

PAAS 459 Units: 1.5 Hours: 3-0
Formerly: CHIN 461
Directed Readings in Chinese Linguistics

Advanced course taught in Mandarin. Intended for students who are prepared to read and discuss extensively in Mandarin. Covers aspects of the Chinese language within the general framework of modern linguistics. Topics covered may include Mandarin sound system, pinyin romanization, writing system, word structures, sentence structures, dialect research, national minority languages and language planning in the People's Republic of China.

Note: Credit will be granted for only one of 459, CHIN 461. Open to native speakers of Chinese.

Prerequisites: Minimum grade of B in 311 or CHIN 349B.

PAAS 464 Units: 1.5 Hours: 3-0
Formerly: PACI 413
Topics in Studies of Australasia

Examines issues and topics on Australia and adjacent areas.

Note: Credit will be granted for only one of 464, PACI 413.

Prerequisites: Third-year standing.

PAAS 465 Units: 1.5 Hours: 3-0
Formerly: PACI 414
Seminar on Oceania

Analysis of theoretical questions on Oceania.

Note: Credit will be granted for only one of 465, PACI 414.

Prerequisites: Third-year standing.

PAAS 466 Units: 1.5 Hours: 3-0
Gift Relations in Pacific Societies

A seminar on classical and contemporary theory of gift exchange, with particular reference to the societies of the Asia-Pacific region.

Prerequisites: Third-year standing.

PAAS 467 Units: 1.5 Hours: 3-0
Formerly: PACI 411
Seminar on Indonesia

Analyses the history and politics of 20th-century Indonesia.

360 COURSE LISTINGS

Note: Credit will be granted for only one of 467, PACI 411.

Prerequisites: Third-year standing or permission of the department.

PAAS 468 Units: 1.5 Hours: 3-0
Formerly: PACI 412

Seminar on the Study of Southeast Asia

Examines contemporary culture and politics in Southeast Asia.

Note: Credit will be granted for only one of 468, PACI 412 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

Prerequisites: Third-year standing or permission of the department.

PAAS 480 Units: 1.5 Hours: 3-0
Formerly: PACI 422

Seminar on Japan

Note: Credit will be granted for only one of 480, PACI 422.

Prerequisites: Third-year standing or permission of the department.

PAAS 485 Units: 1.5 or 3.0 Hours: 3-0
Formerly: JAPA 358

Seminar in Japanese Language, Literature and Culture

Examines selected topics related to Japanese language, literature or cultural studies.

Note: Credit will be granted for only one of 485, JAPA 358 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

Prerequisites: Third-year standing.

PAAS 487 Units: 1.5 Hours: 3-0
Formerly: JAPA 324B

Trends in Japanese Cinema, 1960 to Present

Topics in cinema.

Note: Credit will be granted for only one of 487, JAPA 324B.

Prerequisites: Third-year standing or permission of the department.

PAAS 488 Units: 1.5 Hours: 3-0
Japanese Fantasy

Studies the role that fantasy has played in Japanese culture, from religious beliefs in spirits and the after-life, to contemporary anime and science fiction.

Note: 302 or PACI 392 recommended.

Prerequisites: Third-year standing.

PAAS 489 Units: 1.5 Hours: 3-0
Also: LING 460

Advanced Japanese Syntax

Surveys current issues in Japanese syntax (and its interfaces with phonology and semantics) and syntactic theory, with a particular emphasis on principles and parameters for cross-linguistic variation and universals.

Note: Credit will be granted for only one of 489, LING 460.

Prerequisites: 289 (JAPA 260) or LING 203 or 260.

PAAS 493 Units: 1.5 Hours: 3-0
Seminar in Buddhism in English

Buddhist literature from a variety of primary sources. Students will engage in a close reading of selected texts, with additional secondary literature and commentaries.

Prerequisites: 204 or RS 200B or permission of the department.

PAAS 495 Units: 1.5 Hours: 3-0
Special Topics in Pacific and Asian Studies

Offered in English.

Note: May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

Prerequisites: Third-year standing or permission of the department.

PAAS 496 Units: 1.5 Hours: 3-0
Directed Studies in Pacific and Asian Studies

Note: May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

Prerequisites: Third-year standing or permission of the department.

PAAS 497 Units: 1.5 Hours: 3-0
Special Topics in Asian Languages

Offered in Chinese, Japanese or Indonesian. Consult members of the faculty for subjects and availability.

Note: May be taken more than once for credit in different topics with permission of the department to a maximum of 3 units.

Prerequisites: Third-year standing or permission of the department.

PAAS 499 Units: 1.5 Hours: 3-0
Formerly: PACI 490B, half of 490
Honours Thesis

The writing of an Honours Thesis of at least 10,000 words.

Note: Credit will be granted for only one of 499, PACI 490B, 490.

Prerequisites: 400 or PACI 490A and registration in the PAAS Honours program.

PHIL

Philosophy

Department of Philosophy Faculty of Humanities

Courses in the 100 series are broader in scope than those in the 200 series, but neither type should present any difficulty for the beginner. Both types are recommended for students in any program, whether they plan to continue in Philosophy or not, and may be taken in any year; e.g., courses in the 200 series may be taken in the first as well as in later years. Other courses in Philosophy may be taken by satisfying the listed prerequisites or with permission of the department.

PHIL 100 Units: 3.0 Hours: 3-0
Introduction to Philosophy

An introduction to central works in the history of Western philosophy, with a principal goal of fostering the capacity to think logically and critically. Questions will include: Does God exist? Is knowledge possible? Do humans have free will? What is justice? Figures studied will include most of the following: Plato, Aristotle, Descartes, Leibniz, Berkeley, Hume, Kant, Mill and Nietzsche, and may include others. See annual Departmental Handbook for more information.

PHIL 173 Units: 1.5 Hours: 3-0
Scientific Reasoning

Develops critical thinking skills needed for understanding and evaluating arguments in the natural sciences. Some of the topics covered will include: assessing the worth of causal and statistical hypotheses; evaluating evidence; appraising the value of contentious sciences and examining the development of scientific knowledge.

PHIL 201 Units: 1.5 Hours: 3-0
Critical Thinking

An analysis of simple argument forms in natural language with close attention to the different uses of language in an argumentative context. A treatment of elementary principles of inductive logic, decision making, syllogistic reasoning, and informal fallacies.

Note: Designed as a first course in logic for students with little or no symbolic orientation; it may be taken before or after 203.

PHIL 203 Units: 1.5 Hours: 3-0
Elementary Formal Logic

Teaches students to generate deductively valid arguments and to detect invalid arguments. Correct inference rules for sentential arguments and quantificational arguments are identified and treated from a purely syntactical point of view. A rigorous treatment of the semantic theory for sentential logic and quantification logic is also presented.

Note: Designed as a first course in logic for students with little or no symbolic orientation; it may be taken before or after 201.

PHIL 204 Units: 1.5 Hours: 3-0
Formerly: one half of 287

Eastern Philosophy: The Chinese Tradition

An introductory study of major philosophical texts in the Chinese tradition. An effort will be made to illustrate the methods of philosophizing characteristic of the philosophers discussed.

Note: Credit will be granted for only one of 204, 287.

PHIL 205 Units: 1.5 Hours: 3-0
Formerly: one half of 287

Eastern Philosophy: The Indian Tradition

An introductory study of major philosophical texts in the Indian tradition. An effort will be made to illustrate the methods of philosophizing characteristic of the philosophers discussed.

Note: Credit will be granted for only one of 205, 287.

PHIL 206 Units: 1.5 Hours: 3-0
Eastern Philosophy: The Japanese Tradition

An introductory survey of major philosophical texts in the Japanese tradition. Shinto, Chan and Zen Buddhist perspectives on metaphysics, epistemology, ethics and aesthetics are addressed. Japanese philosophy is contrasted with the Western tradition.

PHIL 208 Units: 1.5 Hours: 3-0
Introduction to Arabic Philosophy

An introduction to the fertile period of philosophy that followed directly upon the late ancient Greek philosophy. An overview of the way in which the Arabs inherited the ancient legacy and a problem-oriented approach to the thought of such major Muslim thinkers as Farabi, Avicenna, Ghazali, and Averroes. Arab philosophy compared with medieval Latin and later European philosophy.

PHIL 209 Units: 1.5 Hours: 3-0 or 2-0-1
Philosophy and First Nations Thought

An inquiry into the nature and scope of First Nations wisdoms. Examines relations between First Nations thought and Western philosophy.

PHIL 211 Units: 1.5 Hours: 3-0
Introduction to Existentialism

An introduction to the themes and method of existentialism. Surveys the writings of a number of existentialists. Questions to be addressed include: Can the individual realize an authentic form of existence in a technological society dedicated to the ideals of comfort, efficiency, and security? Why have existentialists been so vehemently attacked and how have they responded? The figures and works chosen may vary from year to year.

PHIL 220 Units: 1.5 Hours: 3-0
Introduction to Philosophy of Science

Introduces both the epistemological and ethical issues concerning science as a method of gaining knowledge about the world. Epistemological issues may include the distinction between science and non-science, the logic of explanation, and the logic of confirmation. Ethical issues may include the ethics of experimentation with humans, animals, or the environment; the social consequences of scientific knowledge or technology; and the community control of research.

Note: Credit will be granted for only one of 220, 222A, 222B.

PHIL 223 Units: 1.5 Hours: 3-0
Philosophy of the Social Sciences

A philosophical examination of the social sciences. Questions to be addressed include: Are the social sciences sciences? If so, how do the social sciences differ from the natural sciences and from the humanities? Is history a social science? Can human beings be comprehended scientifically? Are social sciences descriptive or evaluative? Is objectivity possible in history and the social sciences?

PHIL 232 Units: 1.5 Hours: 3-0
Moral Problems of Contemporary Society

Philosophical introduction to a variety of controversial issues in contemporary society, focusing on understanding and critically assessing the practical ethical dimensions of such topics as abortion, euthanasia, the treatment of animals, violence and war, environmental protection, punishment, racism and free speech.

PHIL 235 Units: 1.5 Hours: 3-0, or 2-0-1
Ethics of Violence, War and Terrorism

An investigation of the moral problems that arise in the context of violence, war and terrorism.

PHIL 236 Units: 1.5 Hours: 3-0
Political Philosophy

An introduction to problems in contemporary political philosophy. Examines such topics as justice, rights, equality, liberty, community, culture and political legitimacy from a variety of perspectives.

PHIL 238 Units: 1.5, formerly 3 Hours: 3-0
Philosophy in Literature

Explores various philosophical theories and themes as these find expression in literature. In some years, may be devoted to an examination of a single theme as it emerges in distinct periods and writings. Readings may range over the literature of many countries and will not necessarily be confined to works in the Western tradition.

PHIL 239 Units: 1.5 Hours: 3-0
Philosophy and Feminism

An introduction to philosophical issues raised in and by feminist thought. Topics may include: the influence of feminist perspectives on the framing and study of philosophical problems; an examination of concepts, issues, and arguments underlying feminist claims; liberal feminism; Marxist feminism; radical feminism; feminism and race; an examination of current issues such as gender essentialism, pornography, mothering, and reproductive rights from a feminist perspective.

Note: Consult annual Departmental Handbook for details in any given year.

PHIL 240 Units: 1.5 Hours: 3-0
Philosophy of Art

An introduction to philosophy of art. Questions to be addressed include: What is art? What makes art valuable? How is art to be evaluated? Is the value of art relative to audiences? Is art a source of knowl-

edge? What moral issues arise in connection with the arts?

Note: Credit will be granted for only one of 240, 242.

PHIL 251 Units: 1.5 Hours: 3-0 or 2-0-1
Formerly: part of 250**Knowledge, Certainty and Skepticism**

An introduction to central concepts, issues and theories in epistemology (the theory of knowledge). Topics will be drawn from the following list: knowledge; skepticism; evidence; rational belief; doubt; justification; certainty.

Note: Credit will be granted for only one of 251, 250.

Prerequisites: 1.5 units in Philosophy.

PHIL 252 Units: 1.5 Hours: 3-0 or 2-1
Formerly: 250**Introduction to Metaphysics**

An investigation of the ultimate nature of reality. Historical and contemporary writings deal with such topics as substance; monism vs. pluralism; universals vs. particulars; realism vs. nominalism; mind and matter; God; causation and change; possibility and necessity; space and time.

Note: Credit will be granted for only one of 252, 250.

Prerequisites: 1.5 units in Philosophy.

PHIL 260 Units: 1.5 Hours: 3-0
Introduction to Philosophy of Mind

An introduction to the study of mind and its place in nature. Typical issues: Is the mind physical or non-physical? How is the mind related to the body and the rest of nature? Are conscious mental processes just neurophysical processes? Is thought nothing but computation? Can we know the presence and nature of other minds? Are animals, plants, or machines conscious? Can the mind be explained scientifically?

Note: Credit will be granted for only one of 260, 414.

PHIL 261 Units: 1.5 Hours: 3-0
Formerly: 214**Philosophy of Religion**

A consideration of some of the conclusions that have emerged from a philosophical examination of such religious questions as: the existence of God, survival after death, the problem of evil, the significance of religious ignorance, etc. Class discussion will be much emphasized.

Note: Credit will be granted for only one of 261, 214.

PHIL 290 Units: 1.5 or 3.0 Hours: 3-0 or 2-0-1
Introduction to Selected Topics

Introductory investigations of a selected philosophical topic.

Note: May be taken more than once for credit in different topics with permission of the department.

PHIL 301 Units: 1.5 Hours: 3-0
Formerly: 421**Plato**

A philosophical examination of one or more Platonic dialogues. Content may vary from year to year; students should consult the annual departmental handbook for a more specific description of the course for a given year.

Notes: - Credit will be granted for only one of 301, 421.

- PHIL 381/GRS 379 and GRS 380 are both recommended as background for the course.

Prerequisites: 4.5 units of Philosophy or permission of the department.

PHIL 303 Units: 1.5 Hours: 3-0
Formerly: 422
Aristotle

A study of one or more of the philosophical writings of Aristotle. Content may vary from year to year; students should consult the annual Departmental Hand-

book for a more specific description of the course for a given year.

Notes: - Credit will be granted for only one of 303, 422.

- PHIL 381/GRS 379 and GRS 380 are both recommended as background for the course.

Prerequisites: 4.5 units of Philosophy or permission of the department.

PHIL 305A Units: 1.5 Hours: 3-0
Formerly: 245, half of 305**Early Medieval Philosophy**

An examination of the philosophical basis of early medieval thought and of major thinkers in the Christian, Islamic and Jewish traditions from the 5th to the 12th century CE.

Note: Credit will be granted for only one of 305A, 245, 305.

Prerequisites: 3 units of Philosophy or permission of the department.

PHIL 305B Units: 1.5 Hours: 3-0
Formerly: 245, half of 305**Later Medieval Philosophy**

An examination of medieval philosophical thought in the 13th and 14th centuries.

Note: Credit will be granted for only one of 305B, 245, 305. 305A recommended.

Prerequisites: 3 units of Philosophy or permission of the department.

PHIL 306 Units: 1.5 Hours: 3-0
The Rationalists

Studies in depth the so-called "continental rationalists". Examines the positions of representative figures, and relates them to each other. Emphasis the rationalists' preoccupation with a priori necessary truths and the principle of sufficient reason vis-a-vis their theories of perception and knowledge.

Prerequisites: 4.5 units of Philosophy.

PHIL 308 Units: 1.5 Hours: 3-0
Formerly: one half of 310**The Empiricists**

Studies the major writings of Locke, Berkeley and Hume, with emphasis on metaphysics and epistemology.

Note: Credit will be granted for only one of 308, 310.

Prerequisites: 4.5 units of Philosophy or permission of the department.

PHIL 309 Units: 1.5 Hours: 3-0
Formerly: one half of 310**Kant**

Studies Kant's epistemology and metaphysics, principally as presented in *The Critique of Pure Reason*.

Note: Credit will be granted for only one of 309, 310.

Prerequisites: 308.

PHIL 311 Units: 1.5 Hours: 3-0
Existentialist Thinkers

Focuses on one or two of the great philosophers in the tradition of existentialism and phenomenology, such as Nietzsche, Sartre, Merleau-Ponty, Camus, Kierkegaard and Heidegger. The philosophers chosen for study in any given year will be announced in the Departmental Handbook.

Prerequisites: 211 or permission of the department.

PHIL 321 Units: 1.5 Hours: 3-0
Philosophy of Medicine

An examination of how our philosophical conceptions of the nature of mind and body affect the goals and practice of medicine. Some of the topics covered may include: Is medicine an art or a science? What is health? What counts as disease? What is mental illness? Empiricism vs. Realism in medical thinking:

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Hermeneutics in medicine; causality in medicine; Western vs. Eastern medicine.

Note: May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.

PHIL 330 Units: 1.5 Hours: 3-0 Professional and Business Ethics

An examination of ethical issues arising in the contemporary professional and business setting; emphasis is on the mastery of representative ethical systems and concepts and their application to actual situations.

Note: May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.

PHIL 331 Units: 1.5 Hours: 3-0 Issues in Biomedical Ethics

An investigation into various ethical issues that arise in the delivery of health care. Lectures and discussions on topics such as informed consent, abortion, human experimentation, euthanasia, reproductive technologies, the health-care professional/client relationship. Emphasis on the ability to apply theoretical concepts to actual situations.

Note: May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.

Prerequisites: Second-year standing or professional qualification in Health Care e.g., RN, MD.

PHIL 332 Units: 1.5 Hours: 3-0 Philosophy and Technology

An inquiry into technology, its values and relevance to the human condition. What are the conceptual implications of the technological order? Some topics discussed: the distinction between tools and technology; technological development and values; engineering ethics and technology transfer; technology, interpersonal relationships, and alienation; technological domination of nature; art and technology; comparative examination of different philosophies of technology; appropriate technology; mastery of design of technology practices.

Prerequisites: Third-year standing, or permission of the department.

PHIL 333 Units: 1.5 Hours: 3-0 Also: ES 314

Philosophy and the Environment

A philosophical investigation of the moral and conceptual dimensions of environmental problems. Different philosophies of the relation between humans and nature will be compared.

Notes: - Credit will be granted for only one of 333, ES 314.

- May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.

Prerequisites: Third- or fourth-year standing, or permission of the department.

PHIL 335 Units: 1.5, formerly 3.0 Hours: 3-0 Formerly: 302

Contemporary Moral Philosophy

An inquiry into basic issues and theoretical perspectives in moral philosophy. Some classic texts in moral philosophy will be studied but emphasis will be on contemporary literature and debates. Topics will include consequentialism, Kantianism, contractarianism and contractualism.

Note: Credit will be granted for only one of 335, 302.

Prerequisites: 6 units of Philosophy or permission of the department.

PHIL 336 Units: 1.5 Hours: 3-0 Formerly: 328

Philosophy of Law

A study of relationships among law, politics, and morality. Examines such topics as the nature of law, legal and moral reasoning, civil disobedience, legal obligations, punishment and individual and group rights.

Note: Credit will be granted for only one of 336, 328.

Prerequisites: 3 units of Philosophy or permission of the department.

PHIL 337 Units: 1.5 Hours: 3-0 Ethics: Theory and Practice

A survey of the foundations of moral reasoning and judgment that examines basic normative theories and their relevance to practical ethical evaluation. Intended primarily for students pursuing the Minor in Applied Ethics, but is open to other students.

Prerequisites: 232 or permission of the department.

PHIL 338 Units: 1.5 Hours: 3-0 Meta-ethics

An examination of philosophical issues and theories arising from consideration of the epistemic, meta-physical and semantic features of value judgments. Topics will include moral relativism, moral skepticism, non-cognitivism, nihilism, constructivism, moral realism and moral anti-realism.

Prerequisites: 6 units of Philosophy including one of 232, 335, 337 or permission of the department.

PHIL 362 Units: 1.5 Hours: 3-0 Formerly: 342A

Minds and Machines

The philosophical problems associated with the question of whether or not one can build a machine which thinks, reasons, learns from experience, understands natural language, is creative, feels pain, or has emotions. Topics may include mechanical analogues of life processes; the debate over mechanisms, organicism, and vitalism; mechanical self-reproduction and evolution; free will and predictability.

Note: Credit will be granted for only one of 362, 342A.

Prerequisites: 3 units selected from Biology, Computer Science, Philosophy or Psychology; or permission of the department.

PHIL 370 Units: 1.5 Hours: 3-0 Formerly: 304A

Theoretical Logic

Treatment and justification of formal logic from a theoretical point of view: Ideal formal languages developed, and their relationship to natural languages discussed. Syntactic and semantic theories formalized for the analysis of complex deductive arguments. The metatheory of formal logic, relating the syntactic theories and the semantic theories, developed. Topics include consistency, compactness, soundness, and completeness.

Note: Credit will be granted for only one of 370, 304A.

Prerequisites: 203 or MATH 122 or permission of the department.

PHIL 371 Units: 1.5 Hours: 3-0 Formerly: part of 304B

Advanced Studies in Logic

Studies a particular branch of formal logic. Topics may include set theory, incompleteness and undecidability, modal or other non-classical logics.

Note: Credit will be granted for only one of 371, 304B.

Prerequisites: 370 or permission of the department.

PHIL 375 Units: 1.5 Hours: 3-0 Also: MATH 375

Philosophy of Mathematics

Introduces problems in the philosophy of mathematics. Topics include the nature of mathematical objects, the status of the infinite in mathematics, the relationship between mathematics and natural science/physical reality.

Note: Credit will be granted for only one of 375, MATH 375.

Prerequisites: One of 203, 304A, 370, MATH 122, 360.

PHIL 381 Units: 1.5 Hours: 3-0 Also: GRS 379

Formerly: PHIL 379 (CLAS 379) Early Greek Thought

An examination of early Greek thought as embodied in Hesiod and Presocratics such as Parmenides, Heraclitus, Anaxagoras, and Democritus. These figures may be considered in the context of historical and literary writings of their society (e.g., works by Aeschylus, Herodotus, Thucydides). Issues may include: distinctions among myth, science and philosophy; notions of law, morality, and causality; the influence of early Greek thought on later thinkers.

Notes: - Credit will be granted for only one of 381, 379, GRS 379, CLAS 379.

- May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.

Prerequisites: Third- or fourth-year standing or permission of the department.

PHIL 383 Units: 1.5 Hours: 3-0 Also: GRS 380

Formerly: CLAS 380

The Life and Times of Socrates

An examination of a critical moment in Greek intellectual and political life, as seen from various points of view. Topics include: Socrates' trial and its background, the rise of the Socratic conception of philosophy and its relation to the methods of the Sophists, perceived Socratic challenges to religious and social mores, written vs. unwritten philosophy, and types of Socratic literature. Why, we will ask, was the impact of Socrates so lasting and profound?

Notes: - Credit will be granted for only one of 383, GRS 380, CLAS 380.

- May not be counted towards upper-level requirements in Honours or Major programs in Philosophy.

Prerequisites: Third- or fourth-year standing or permission of the department.

PHIL 390 Units: 1.5-3.0 Hours: 3-0 Topics in Philosophy

Investigations of a selected philosophical topic.

Note: May be taken more than once for credit in different topics.

Prerequisites: 6 units of Philosophy, or permission of the department.

PHIL 391 Units: 1.5 or 3.0 Hours: 3-0 Formerly: 348

Directed Studies in Philosophy

Under the supervision of a faculty member and with the approval of the Chair of the department.

Note: Credit will be granted for only one of 391, 348 (if taken in the same topic). May be taken more than once for credit in different topics.

Prerequisites: 6 units of Philosophy, or permission of the department.

PHIL 403 Units: 1.5 Hours: 3-0 Philosophical Logic

An investigation of the philosophical limitations of classical logic. Questions to be addressed include: Is there satisfactory philosophical motivation for many-

valued logics? Does reflection on reference or meaning lead to the rejection of bivalence? Does classical first order logic inhibit a philosophical understanding of existence, identity and predication?

Prerequisites: 201 and 203, 304A and B or 370 and 371, MATH 332, MATH 333, and an additional 3 units of Philosophy, or permission of the department.

PHIL 420 Units: 1.5 Hours: 3-0
Formerly: 320

Advanced Topics in Philosophy of Science

This course deals (at a more advanced level than in 220) with the methodology, epistemology, and ontology of science. Topics may include the logic of explanation, the logic of confirmation, the rationality of theory acceptance, the rationality of scientific revolutions, the unity of science, or the reality of theoretical entities.

Note: Credit will be granted for only one of 420, 222A, 320.

Prerequisites: 220 or permission of the department.

PHIL 430 Units: 1.5 Hours: 3-0
Contemporary Ethics

An advanced investigation of contemporary debates in ethical theory, including issues in normative ethics and metaethics.

Prerequisites: 9 units of Philosophy, including at least one of 335, 337, 338, or permission of the department.

PHIL 431 Units: 1.5 Hours: 3-0
Seminar in Biomedical Ethics

An in-depth study of selected topics in biomedical ethics. Content will vary, but will usually include such topics as informed consent, experimentation, professional/client and professional/professional relationship, allocation of resources, administrative procedures, etc. Methodology will include the use of video tape role plays and student presentation/analysis.

Prerequisites: 331 or permission of the department.

PHIL 433 Units: 1.5 Hours: 3-0
Social and Political Philosophy

Introduces basic texts and fundamental problems in Western political philosophy. Topics may include: theories of distributive justice, the relationship between law and morality, theories of democracy, the nature of rights, liberty, political legitimacy, community and culture; interrelationships among forms of economic, class, racial and gender oppression.

Prerequisites: 9 units of Philosophy, including at least one of 236 or 335, or permission of the department.

PHIL 434 Units: 1.5 Hours: 3-0
Technology and Environment

An inquiry into the nature of technology and its moral implications for human and non-human environments. Questions to be addressed include: What is technology? Are humans 'essentially' technological? What factors have given rise to the perceived domination of the non-human environment by human technology? Figures studied may include: Diderot, El-lul, Ursula Franklin, George Grant, Heidegger and Naess.

Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 440 Units: 1.5 Hours: 3-0
Seminar in Aesthetics

Advanced seminar in philosophy of art.

Prerequisites: 9 units of Philosophy, including 240, or permission of the department.

PHIL 450 Units: 1.5 Hours: 3-0
Formerly: 432
Metaphysics

An inquiry into some of the more general distinctions upon which our notion of reality depends. Topics will

include: substance, quality and relation, existence and quanta.

Note: Credit will be granted for only one of 450, 432.

Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 451 Units: 1.5 Hours: 3-0
Formerly: 416

Philosophy of Knowledge

An advanced philosophical investigation of human knowledge and its relation to reality.

Note: Credit will be granted for only one of 451, 416.

Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 453 Units: 1.5 Hours: 3-0
Formerly: 418

Theory of Perception

A study of philosophical issues that pertain both to the psychology of perception and the theory of knowledge. The respective merits of realist, representationalist and phenomenalist theories of perception will come under examination.

Note: Credit will be granted for only one of 453, 418.

Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 460 Units: 1.5 Hours: 3-0
Formerly: 414

Philosophy of Mind

The focus of this course will be contemporary metaphysics, epistemology and methodology in the philosophy of mind.

Note: Credit will be granted for only one of 460, 414.

Prerequisites: 260 or 362 (formerly 342A) or permission of the department.

PHIL 461 Units: 1.5, formerly 3 Hours: 3-0
Formerly: part of 334

Philosophy of Language I

A study of the foundations of philosophy of language. Questions to be addressed include: What is meaning? and what is reference? Authors to be studied may include Frege, Russell, Wittgenstein and Quine.

Note: Credit will be granted for only one of 461, 334.

Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 462 Units: 1.5, formerly 3 Hours: 3-0
Formerly: part of 334

Philosophy of Language II

A study of contemporary issues in philosophy of language. Theories of truth will be emphasized. Authors to be studied may include Davidson, Dummett, Kripke, Putnam and Tarski.

Note: Credit will be granted for only one of 462, 334.

Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 490 Units: 1.5 or 3.0 Hours: 3-0
Advanced Topics in Philosophy

Advanced investigations of a selected philosophical topic.

Note: May be taken more than once for credit in different topics.

Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 491 Units: 1.5 or 3.0 Hours: 3-0
Formerly: 448

Directed Studies in Philosophical Topics

Under the supervision of a faculty member and with the approval of the Chair of the department.

Note: Credit will be granted for only one of 491, 448 (if taken in the same topic). May be taken more than once for credit in different topics.

Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 499 Units: 1.5 Hours: 3-0
Philosophy Honours Seminar

Students will write, and present to a seminar of their peers, a substantial, original essay on a topic of their own choosing. Research into contemporary published work on the topic will form an essential part of the essay. Grades will be based on the written essay, its presentation in the seminar, and participation in the seminar presentations of the other students.

Prerequisites: Honours standing in fourth-year.

PHYS

Physics

Department of Physics and Astronomy Faculty of Science

Courses offered by the Department of Physics and Astronomy are also found under the following course code: ASTR (Astronomy).

PHYS 102 Units: 3.0 Hours: 3-3
General Physics

Mechanics, heat, sound, wave motion, light, electricity, magnetism, and modern physics.

Notes: - This course uses calculus and will meet the requirements in Physics of students in Biology and Environmental Studies. Students intending to take further courses in Physics should take 112 rather than 102 and must take MATH 100 and 101 rather than 102.

- No more than 4.5 units of credit may be obtained from 100-level physics courses.

Prerequisites: BC Secondary School Physics 11 or equivalent.

Pre- or corequisites: MATH 100 or 102.

PHYS 112 Units: 3.0 Hours: 3-3
Basic Physics

Mechanics, optics, light, heat, electricity, magnetism, wave motion, fluids, and quantum physics.

Notes: - A basic course in physics for students planning a program of study in the physical sciences such as Physics, Astronomy, Chemistry, and Earth and Ocean Sciences.

- No more than 4.5 units of credit may be obtained from 100-level physics courses.

- Credit will be granted for only 3 units from 112, 120, 122, 125, 130.

- Students with a minimum grade of B in both Physics 12 and Mathematics 12 should consider enrolling in PHYS 120 and 130 instead of PHYS 112.

Prerequisites: BC Secondary School Physics 12 and Mathematics 12.

Pre- or corequisites: MATH 100, 101.

PHYS 120 Units: 1.5 Hours: 3-3
Physics I

Particle dynamics and curvilinear motion; force and momentum; rotational dynamics and angular momentum; kinetic and potential energy; special relativity.

Notes: - No more than 4.5 units of credit may be obtained from 100-level physics courses.

- Credit will be granted for only one of 120, 122.

- Credit will be granted for only 3 units from 112, 120, 122, 125, 130.

- Primarily for students who are planning a career in Physics or Astronomy.

Prerequisites: A minimum grade of B in BC Secondary School Physics 12 and Mathematics 12, or PHYS 102.

Pre- or corequisites: MATH 100.

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PHYS 122 Units: 1.5 Hours: 3-3 Mechanics for Engineers

Kinematics, particle dynamics, curvilinear motion, momentum, angular momentum, energy.

Notes: - Open to Engineering students only.

- No more than 4.5 units of credit may be obtained from 100-level physics courses.

- Credit will be granted for only one of 120, 122.

- Credit will be granted for only 3 units from 112, 120, 122, 125, 130.

Prerequisites: A minimum grade of B in BC Secondary School Physics 12 and Mathematics 12, or PHYS 102.

Pre- or corequisites: MATH 100.

PHYS 125 Units: 1.5 Hours: 3-3 Fundamentals of Physics

Simple harmonic motion; wave motion, sinusoidal waves, phase velocity, Huygens' Principle, resonance, reflection, refraction and interference; sound; the classic Doppler effect; ray and first order matrix optics, total internal reflection and dispersion; the electromagnetic spectrum; optical spectra and electronic structure; de Broglie waves; principles and applications of nuclear structure, nuclear reactions and ionizing radiation.

Notes: - No more than 4.5 units of credit may be obtained from 100-level physics courses.

- Credit will be granted for only one of 125, 130.

- Credit will be granted for only 3 units from 112, 120, 122, 125, 130.

- Normally open to Engineering students only.

Prerequisites: 120 or 122; MATH 100; and one of MATH 110, 133, 211, 233A.

Corequisites: MATH 101.

PHYS 130 Units: 1.5 Hours: 3-3 Physics II

Rotational and simple harmonic motion; wave motion and sinusoidal waves; reflection, refraction, and interference; optics; sound and the Doppler effect; de Broglie waves and the Hydrogen atom; radioactivity and principles of quantum mechanics.

Notes: - No more than 4.5 units of credit may be obtained from 100-level physics courses.

- Credit will be granted for only one of 130, 125.

- Credit will be granted for only 3 units from 112, 120, 122, 125, 130.

Prerequisites: 120 or 122; MATH 100.

Corequisites: MATH 101.

PHYS 210 Units: 1.5 Hours: 3-0 Also: EOS 210

Introductory Geophysics

An introduction to seismology, gravity, geomagnetism, paleomagnetism and heat flow, and how they contribute to our understanding of whole Earth structure and plate tectonics.

Note: Credit will be granted for only one of 210, EOS 210.

Prerequisites: Any one of 112, 120, or 122; MATH 100 and 101.

PHYS 214 Units: 1.5 Hours: 2-4 An Introduction to Laboratory Electronics

Introduction to standard laboratory equipment including a survey of linear circuits, digital electronics and non-linear devices such as diodes, transistors and operational amplifiers.

Prerequisites: Any one of 102, 112, 120, 122; MATH 100 or 102.

PHYS 215 Units: 1.5 Hours: 3-3 Introductory Quantum Physics

Introduction to topics in quantum physics.

Prerequisites: 112; or 120 and 130; or 122 and 125.

Pre- or corequisites: MATH 200, 201.

PHYS 216 Units: 1.5 Hours: 3-3 Introductory Electricity and Magnetism

Electric and magnetic fields, Gauss' law, electric potential, capacitance, dielectrics, current and resistance, resistivity, magnetic induction. Faraday's law of induction, Ampere's law, energy stored in electric and magnetic fields.

Note: Credit will be granted for only one of 216, ELEC 216.

Prerequisites: 112; or 120 and 130; or 122 and 125.

Pre- or corequisites: MATH 200.

PHYS 242 Units: 1.5 Hours: 3-1 Also: CSC 242 Computers in Science

A combined lecture and laboratory course designed to introduce numerical methods and data analysis techniques of use in the physical sciences. These include basic statistical methods, methods for solving differential equations, Monte Carlo simulation, error analysis, parameter estimation, hypothesis testing and data visualization.

Note: Not open towards a Computer Science degree. Credit will be granted for only one of 242, CSC 242.

Prerequisites: 120 or 112, and CSC 110.

Pre- or corequisites: MATH 200.

PHYS 290 Units: 1.0-3.0 Directed Studies

Intended primarily to aid students transferring from other institutions to fit into the physics programs.

Note: Students must obtain the consent of the department before registering.

PHYS 303 Units: 1.5 Hours: 3-0 Origin of Space, Time and Matter in the Universe

For non-science students interested in expanding their understanding of the physical world. The aim is to combine topics in earth physics, particle physics, astronomy, and cosmology to study the nature and origin of space-time and matter, and the chemical composition of the earth, planets, and stars. Highlights of larger issues, such as the nature of scientific knowledge, and the validity of science and the scientific method. A non-mathematical approach.

Note: Not available for credit in Physics and Astronomy Programs.

Prerequisites: MATH 11, third-year standing.

PHYS 313 Units: 1.5 Hours: 3-1 Formerly: part of 413B

Atomic and Molecular Physics

Applications of quantum physics to atoms and molecules. Electron spin, Zeeman effect. Atomic and molecular spectroscopy.

Note: Credit will be granted for only one of 313, 413A, 413B. Offered in the Fall term of even-numbered years.

Prerequisites: 215, 216.

Pre- or corequisites: One of MATH 300, 330A, 334, 336; one of MATH 323, 325, 342.

PHYS 314 Units: 1.5 Hours: 3-1 Formerly: part of 413B

Nuclear Physics and Radioactivity

Applications of quantum physics to atomic nuclei; nuclear properties, structure, models and modes of decay. Radioactivity and applications in industry, medicine, archaeology and cosmology. Fission and fusion.

Note: Credit will be granted for only one of 314, 413B. Offered in the Fall term of odd-numbered years.

Prerequisites: 215, 216.

Pre- or corequisites: One of MATH 300, 330A, 334, 336; one of MATH 323, 325, 342.

PHYS 317 Units: 1.5 Hours: 3-1 Thermodynamics

The theory and application of thermodynamics.

Prerequisites: 112 or 120.

Pre- or corequisites: MATH 200.

PHYS 321A Units: 1.5 Hours: 3-1 Classical Mechanics I

Oscillatory motion, motion under a central force, dynamics of a system of particles, gravitational potential theory.

Prerequisites: 3 units from 112, 120, 122, 125, 130; or 220.

Pre- or corequisites: One of MATH 300, 330A, 334, 336; one of MATH 323, 325, 342.

PHYS 321B Units: 1.5 Hours: 3-1 Classical Mechanics II

Rigid body dynamics, an introduction to analytical mechanics including Lagrange's and Hamilton's equations, theory of small oscillations.

Prerequisites: 321A.

Pre- or corequisites: One of MATH 301, 330B, 438; MATH 326 or 346.

PHYS 323 Units: 1.5 Hours: 3-0 Formerly: part of 413A

Quantum Mechanics I

Introduction to quantum mechanics, historical review, postulates, development of the theory, and applications.

Note: Credit will be granted for only one of 323, 413A.

Prerequisites: 215, 216.

Pre- or corequisites: One of MATH 300, 330A, 334; one of MATH 323, 325, 342.

PHYS 325 Units: 1.5 Hours: 3-3 Optics

Reflection and refraction at plane and spherical surfaces, thin lenses, lens aberrations, optical instruments, interference, diffraction, polarization.

Prerequisites: 326 or equivalent; MATH 200 and 201.

PHYS 326 Units: 1.5 Hours: 3-1 Electricity and Magnetism

Properties of electromagnetic fields using vector calculus, displacement current, Maxwell's equations, plane electromagnetic waves with applications, transmission lines, and transients in LRC circuits.

Prerequisites: 216.

Pre- or corequisites: One of MATH 300, 330A, 334, 336; one of MATH 323, 325, 342.

PHYS 410 Units: 1.5 Hours: 3-0 Topics in Mathematical Physics I

Mathematical methods applied to solving physical problems. Topics include: Finite dimensional and complex linear spaces; dimensional analysis; theory of distributions and applications to Fourier transforms and Green's functions; variation and perturbation methods; nonlinear differential equations.

Pre- or corequisites: 321A; MATH 211 or 233A; one of MATH 301, 330B, 438; MATH 326 or 346. One of PHYS 313, 314, 323; and PHYS 326 are recommended prior to this course.

PHYS 411 Units: 1.5 Hours: 3-0 Time Series Analysis

Continuous and discrete Fourier transforms, convolution and correlation, autocorrelation, spectral density estimation, deconvolution, linear filtering, frequency domain and two-dimensional filtering. Digital data processing and computer analysis are stressed.

Prerequisites: One of MATH 301, 330B, 438; MATH 326 or 346.

PHYS 415 Units: 1.5 Hours: 3-0
General Relativity and Cosmology

Introduction to Einstein's theory of gravitation and its experimental verification. Applications within the realms of astrophysics and cosmology.

Prerequisites: 321B; one of MATH 301, 330B, 438; or permission of the department.

PHYS 421 Units: 1.5 Hours: 3-0
Statistical Mechanics

Boltzmann, Bose-Einstein and Fermi-Dirac statistics.

Note: Normally open to Honours students only, others by permission of the department.

Prerequisites: 317, 321B, 323; one of MATH 301, 330B, 438; MATH 326 or 346.

PHYS 422 Units: 1.5 Hours: 3-0
Electromagnetic Theory

Potential theory, Maxwell's equations, electromagnetic waves.

Note: Normally open to Honours students only, others by permission of the department.

Prerequisites: 326; one of MATH 301, 330B, 438; MATH 326 or 346.

PHYS 423 Units: 1.5 Hours: 3-0
Quantum Mechanics II

Further development of the theory and applications, angular momentum, linear vector spaces, perturbation theory, scattering.

Note: Normally open to Honours students only, others by permission of the department.

Prerequisites: 321A and 323; one of MATH 301, 330B, 438; MATH 326 or 346.

PHYS 424 Units: 1.5 Hours: 3-0
Particle Physics

Topics in particle physics.

Note: Normally offered in alternate years. Students are advised to consult the department to determine when the course is offered.

Prerequisites: 423 or permission of the department.

PHYS 425 Units: 1.5 Hours: 2-3
Topics in Electronics Instrumentation

Applications of electronics in physics instrumentation.

Prerequisites: 214 and 216; one of MATH 301, 330B, 438.

PHYS 426 Units: 1.5 Hours: 3-1
Fluid Mechanics

Flow kinematics, vorticity, the Navier-Stokes equations, Bernoulli's theorem, irrotational flow, viscous flow, dynamic similarity. Application to aerodynamics, water waves, low Reynolds number (very viscous) flow and other selected topics.

Prerequisites: 220 or 321A; 317.

Pre- or corequisites: One of MATH 301, 330B, 438; MATH 326 or 346.

PHYS 427 Units: 1.5 Hours: 3-0
Also: EOS 427
Geophysics

Principles of seismology, gravity, geomagnetism, heat flow, and how they contribute to our understanding of whole Earth structure and plate tectonics.

Note: Credit will be granted for only one of 427, EOS 427. Normally offered in alternate years. Students are advised to consult with the department to determine when the course is offered.

Prerequisites: 220 or 321A; 326.

Pre- or corequisites: One of MATH 301, 330B, 438; MATH 326 or 346.

PHYS 428 Units: 1.5 Hours: 3-0
Introductory Solid State Physics

An account of the central aspects of the physics of solids including crystal structure and symmetry; thermal, electrical, magnetic, elastic, and optical properties of solids.

Note: Normally offered in alternate years. Students are advised to consult the department to determine when the course is offered.

Prerequisites: 326; one of MATH 301, 330B, 438; MATH 326 or 346.

Pre- or corequisites: 323.

PHYS 429A Units: 1.5 Hours: 0-3
Honours Laboratory

Introduction to research, with several research-oriented experiments and with instruction on experimental techniques and theory of measurement.

Note: Normally open only to fourth-year Honours students, others by permission of the department.

PHYS 429B Units: 1.5 Hours: 0-3
Honours Project

A research project conducted under the direction of faculty.

Note: Normally open only to fourth-year Honours students, others by permission of the department.

Pre- or corequisites: 429A.

PHYS 431 Units: 1.5 Hours: 3-0
Continuum Mechanics

Tensor calculus with the properties of a continuum are developed, leading to a study of wave propagation in elastic media with application to seismology. Concludes with a brief introduction to the basic equations of fluid mechanics.

Note: Normally offered in alternate years. Students are advised to consult with the department to determine when the course is offered.

Prerequisites: 220 or 321A; MATH 326 or 346.

PHYS 432 Units: 1.5 Hours: 3-0
Medical Physics

Introduction to medical physics: production and measurement of x-rays and charged particles for nuclear medicine, interaction of radiation with biological materials, radiation dosimetry, radiation safety, physics of medical imaging, magnetic resonance imaging.

Prerequisites: 313 or 314.

PHYS 460 Units: 0 Hours: 2-0
Colloquium

Weekly physics and astronomy colloquium.

Grading: COM, N, F.

PHYS 490 Units: 1.0-3.0
Directed Studies

Note: Students must obtain the consent of the department before registering.

POLI

Political Science
Department of Political Science
Faculty of Social Sciences

POLI 101 Units: 1.5 Hours: 3-0-1
Formerly: half of 100
Canadian Politics

An introduction to the social bases of Canadian politics focusing on the distribution and exercise of political power. Topics include: regionalism, Québec nationalism, and economic inequality; political parties, voting, interest groups and the mass media; the policy process.

Note: Credit will be granted for only one of 101, 100, 470.

POLI 103 Units: 1.5 Hours: 3-1
The Worlds of Politics

Introduces students to the study of politics in three fields (comparative politics, international politics, and political theory). Each term will focus on a particular theme of broad interest to the three fields such as democracy, power, and violence.

POLI 201 Units: 1.5 Hours: 3-0-1
Formerly: 102
Canadian Institutions of Government

Introduction to the Canadian system of government; the constitutional framework; parliamentary and federal political structures; institutional change and major constitutional developments and debates.

Note: Credit will be granted for only one of 201, 100, 102, 470.

POLI 202 Units: 1.5 Hours: 3-0-1
An Introduction to Political Theory

Focuses on one or more topics in contemporary political theory such as the nature of democracy, the role of ideology, or the functions of the state. Different analyses will be compared, and students will be introduced to various models and techniques of theoretical inquiry.

POLI 210 Units: 1.5 Hours: 3-0-1
Comparative Politics

An introduction to the comparative study of politics and the basic structures and processes of modern political systems, including an examination of selected foreign governments.

POLI 211 Units: 1.5 Hours: 3-0-1
European Integration and the European Union

An introduction to the study of the European integration process and the basic structures and processes of the European Union, including an examination of selected policies.

POLI 240 Units: 1.5 Hours: 3-0-1
International Politics

An introduction to the study and practice of international politics. Topics covered include the historical evolution of the international system, the major theoretical approaches to the study of international politics, state and non-state actors, and key contemporary issues in the areas of security and political economy.

POLI 300A Units: 1.5 Hours: 3-0
Formerly: 301
Ancient and Medieval Political Thought

A survey of the main themes and assumptions of political theory in ancient Greece and medieval Europe, including study of Plato's Republic and Aristotle's Politics.

Note: Credit will be granted for only one of 300A, 301, 300 (if taken prior to 1982-83).

POLI 300B Units: 1.5 Hours: 3-0
Formerly: half of 300
Early Modern Political Thought

An examination of basic texts and persistent themes in Western political thought from the Renaissance to the Enlightenment, including study of texts by such key thinkers as Machiavelli, Hobbes, Locke, Hume, and Kant.

Note: Credit will be granted for only one of 300B, 300.

POLI 300C Units: 1.5 Hours: 3-0
Formerly: half of 300
Post-Enlightenment Political Thought

An examination of basic texts and persistent themes in Western political thought from the Enlightenment

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to the late 19th century, including study of texts by such key thinkers as Rousseau, Hegel, Marx and J.S. Mill.

Note: Credit will be granted for only one of 300C, 300.

Prerequisites: 300A or 300B is recommended.

POLI 305 Units: 1.5 Hours: 3-0 **Diversity, Pluralism, Difference in Politics**

Examines the challenges that cultural and national diversity pose to liberal democracy. The analytical focus will be on both the normative desirability of recognizing cultural or national differences and on the political and legal ramifications of granting group and minority rights.

POLI 306 Units: 1.5 Hours: 3-0 **Introduction to Marxism**

An overview of the thought of Karl Marx and Fredrick Engels, focusing on its philosophical origins, key concepts and ideas of their historical materialism, critique of political economy, political theory and philosophy. The development of Marxism after Marx and Engels, particularly in the tradition of Western Marxism, will be traced in the case of each concept and idea.

Note: Credit will be granted for only one of 306, 406.

POLI 311 Units: 1.5, formerly 3 Hours: 3-0 **Governments and Politics in Europe**

Historical backgrounds to, institutional framework for, and players involved in, political conflict in European countries. Consideration will be given to contemporary policy issues and the process of European integration.

POLI 313A Units: 1.5 Hours: 3-0 **Formerly: half of 313** **American Politics**

An introduction to the political system of the United States. Areas of study will include the Constitutional framework, Congress, Presidency and Supreme Court, political parties and the electoral system.

Note: Credit will be granted for only one of 313A, 313.

POLI 313B Units: 1.5 Hours: 3-0 **Formerly: half of 313** **American Public Policy**

An analysis of the policy-making process of the American federal government. Examines empirical and critical theories of policy formation and implementation.

Note: Credit will be granted for only one of 313B, 313.

Prerequisites: 313A.

POLI 314 Units: 1.5 Hours: 3-0 **British Government and Politics**

Political institutions, organizations, and behaviour in contemporary Britain. The policy alternatives advanced by different political groups on a number of issues, including the role of the state in the economy and the territorial distribution of power.

Note: Credit will be granted for only one of 314, 316.

POLI 317 Units: 1.5 Hours: 3-0 **Politics of Development**

An introduction to some of the principal issues and problems facing the countries of Asia, Africa and Latin America. Examines the various themes which have influenced policies and concepts of development.

POLI 318 Units: 1.5 Hours: 3-0 **Government and Politics in East Asia**

Government and politics in China, Japan, North and South Korea, and Taiwan, with special attention to state formation, political reform, institutions and ideology.

Note: 317 is recommended.

POLI 319 Units: 1.5 Hours: 3-0 **Issues in Comparative Politics**

An analysis of contemporary issues in comparative politics.

Note: May be taken more than once for credit in different topics with permission of the department.

POLI 320 Units: 1.5 Hours: 3-0 **Formerly: 320A and 320B** **The Canadian Constitution**

An analysis of the Canadian Constitutional framework, including the Constitution acts of 1867 and 1982, the shaping of the federal system and the impact on Canadian society of the Charter of Rights and Freedoms.

Note: Credit will be granted for only one of 320, 320A, 320B.

POLI 321 Units: 1.5 Hours: 3-0 **Introduction to Research Methods in Politics**

Advanced introduction to the key empirical research methods used in the study of politics, including interpretive, historical, participatory, quantitative, case study and comparative.

Note: Not open to students registered in or with credit in 339.

POLI 323 Units: 1.5 Hours: 3-0 **Issues in Politics**

A lecture class in selected contemporary political issues.

Note: May be taken more than once for credit in different topics with permission of the department.

POLI 328 Units: 1.5 Hours: 3-0 **Gender and International Relations**

Examines gender inequalities from the standpoint of feminist international relations theories and through the study of key international relations concepts such as violence, globalization, democratization, transnational politics and ethnic nationalism.

Note: Credit will be granted for only one of 328, 349 (if taken in the same topic).

POLI 329 Units: 1.5 Hours: 3-0 **The Political Foundations of International Law**

An advanced introduction to the political nature of international law. Reviews the conceptual and analytical foundations of the field, as well as conventional and critical theoretical approaches to the study of international law. Also examines the main substantive areas of international law and practice.

POLI 332 Units: 1.5 Hours: 3-0 **Formerly: 332B** **Urban Politics**

An analysis of urban social movements, the politics of planning and development, and the political economy of cities in the era of globalization.

Note: Credit will be granted for only one of 332, 332B, 450.

POLI 333 Units: 1.5 Hours: 3-0 **Representation and Electoral Systems**

A cross-national review of the design of electoral systems, their determinants and components, and quantitative analysis of their consequences for political representation. The primary focus will be on Western democracies.

POLI 334 Units: 1.5 Hours: 3-0 **Culture(s), Knowledge and Power**

The role of cultural practices and identities, ideologies, and claims to knowledge in the legitimation of authority and violence.

POLI 335 Units: 1.5 Hours: 3-0 **Gender and Politics**

An introduction to key debates about the relation between gender and politics in the Western political tradition. Explores how gender has shaped and been shaped by key political ideas (including the public-private distinction, the idea of contract, political representation, rights, justice, identity and equality), as well as connections between conceptual debates and practical policy-oriented problems in law and politics.

POLI 336 Units: 1.5 Hours: 3-0 **The Modern State**

An exploration of the modern state as a form of governance and a mode of political organization. Contemporary changes in the organization of the state will be considered in relation to earlier developments. The focus will be on North America and Western Europe, and particular attention will be given to the problematic relation between disciplinary governments, social movements and local communities.

Note: Credit will be granted for only one of 336, 404.

POLI 338 Units: 1.5 Hours: 3-0 **Approaches to Political Analysis (Seminar Course)**

An examination of the ways in which political analysts generalize about politics. Addresses types of theory in the discipline (normative, empirical, public choice, critical discourse) and the assumptions that underpin them.

Note: Required for Honours students in their third year, recommended for Major students, but not recommended as a general elective.

POLI 339 Units: 1.5 Hours: 3-0 **The Empirical Analysis of Politics (Seminar Course)**

Survey of empirical research methods used in political science, focusing on the practical application of qualitative and quantitative methods. Includes the operationalization and measurement of variables; case studies and comparative case studies; interview research; univariate and bivariate statistics; sampling and surveys; and regression.

Note: Credit will be granted for only one of 339, 337. Required for Honours students, preferably in their third year; recommended for students considering graduate studies in Political Science or Public Administration.

POLI 340 Units: 1.5, formerly 3 Hours: 3-0 **International Studies**

The historical development of the modern states system with reference to its changing social, economic, and political environments, and to related theoretical developments.

POLI 341 Units: 1.5 Hours: 3-0 **The United Nations and Global Issues**

Examines the structure and functioning of the United Nations and its agencies as they address key contemporary global issues. Attention will be paid to the practice of diplomacy in the UN, the secretariat, and the roles of states and non-state actors. Issues may include human rights and humanitarian intervention, economic globalization and human development, climate change and other environmental problems, disarmament, and health.

POLI 343 Units: 1.5 Hours: 3-0 **International Organization**

The nature and function of international and regional governmental and non-governmental organizations.

POLI 344 Units: 1.5, formerly 3 Hours: 3-0 **International Political Economy**

The politics of international economic relations in trade, investment, finance and macroeconomic policies from a variety of theoretical perspectives.

POLI 345 Units: 1.5 Hours: 3-0
Ethics in International Relations

An exploration of the application of moral judgment to international politics. Introduces different moral theories and applies them to topical issues to help make reasoned judgments about important international issues. Topics include: just war, foreign aid, immigration control, spreading human rights, withdrawing humanitarian aid, and the use of torture.

POLI 346 Units: 1.5 Hours: 3-0
Formerly: 446
Canadian Foreign Policy

The foreign policy-making process in Canada, including alternative explanations of specific policies.

Note: Credit will be granted for only one of 346, 446.

POLI 347 Units: 1.5 Hours: 3-0
Discourses of World Politics

Contemporary debates about the nature and location of political community in relation to both the historical practices of state sovereignty and claims about the increasingly global context of political life.

POLI 348 Units: 1.5 Hours: 3-0
International Security

Conceptual and practical issues of security in international politics, including such topics as: the causes of violent international conflict, maritime security, non-military threats to security, national security policies, co-operative international security, and alternatives to state-centred security.

POLI 349 Units: 1.5 Hours: 3-0
Issues in International Politics

An analysis of contemporary issues in international politics.

Note: May be taken more than once for credit in different topics with permission of the department.

POLI 350 Units: 1.5 Hours: 3-0
Also: ADMN 311
Introduction to Public Administration

An exploration of the external factors affecting contemporary public sector management in Canada, the changing structural and value context within which public servants work, the key processes in which they are engaged and how those processes are changing. Focuses primarily on the federal and provincial governments, but references will also be made to public administration at other levels.

Note: Credit will be granted for only one of 350, ADMN 311, HSD 404.

POLI 351 Units: 1.5 Hours: 3-0
Public Policy Analysis

A practical approach to the concepts and conduct of public policy analysis, including problem definition and policy design, the application of analytical techniques and issues in public policy implementation.

POLI 355 Units: 1.5 Hours: 3-0
Elections

Overview of elections as partisan political events and highly technical electoral processes in Canada and other western democracies. Topics include elections and democracy; electoral rules and administration; voting systems; money and elections; and the role of the media.

POLI 357 Units: 1.5 Hours: 3-0
Formerly: 457
Canadian Environmental Politics

An examination of political factors shaping development and implementation of Canadian environmental policy.

Note: Credit will be granted for only one of 357, 457.

POLI 360 Units: 1.5 Hours: 3-0
Canadian Federalism and Public Policy

An examination of the constitutional, political, social, economic, and cultural bases of Canadian federalism, the dynamics of contemporary intergovernmental relations, and the impact of the federal system on public policy.

POLI 361 Units: 1.5 Hours: 3-0
Parties and Pressure Groups in Canada

An examination of political parties, pressure groups, and theories of representation in the Canadian context, with emphasis on the development, structure and ideologies of the major parties.

POLI 363 Units: 1.5 Hours: 3-0
Aboriginal Politics and Self-Government

An examination of various political issues affecting the peoples of Canada's First Nations with particular attention to land claims, self-government and the political organization of Canada's indigenous peoples. Relevant comparisons with other countries and international perspectives will also be included.

POLI 364 Units: 1.5 Hours: 3-0
Canadian Public Policy

An analysis of the Canadian policy-making process, using case studies to examine alternative theoretical perspectives.

POLI 365 Units: 1.5 Hours: 3-0
British Columbia Political Economy

An examination of the political and economic development of the province, its political orientations and social cleavages, and party system.

POLI 366 Units: 1.5 Hours: 3-0
Canadian Political Economy

An advanced introduction to the distinctive debates and problems of Canadian Political Economy, in historical analysis and in contemporary policy concerns. Topics covered include state formation and the role of the state; staples; capital and class analyses; theories of economic development, trade, and dependency; gender, aboriginal, and anti-racist analyses; and political ecology.

POLI 369 Units: 1.5 Hours: 3-0
Issues in Canadian Politics

An analysis of contemporary issues in Canadian politics.

Note: May be taken more than once for credit in different topics with permission of the department.

POLI 371 Units: 1.5 Hours: 3-0
Chinese Politics

An exploration of the political, economic and social transformations in China, with focus on China's ongoing reform efforts away from state socialism and toward a capitalist market economy. Topics include political institutions, the role of the state in the economy, social stratification including gender relations, resistance, civil society and democracy.

POLI 372 Units: 1.5 Hours: 3-0
Latin American Politics

Comparative study of Latin America through an examination of the region's history, politics, and society. Themes may include development, revolution, militarism, social movements, and democratization.

Note: Credit will be granted for only one of 372, 319 (if taken in the same topic).

POLI 375 Units: 1.5 Hours: 3-0
Gender Politics in China

A multidisciplinary approach to gender dynamics in China. Helps students appreciate and understand the politics of representation of Chinese women over time and space; the change in Chinese women's

roles and status amidst modern socioeconomic development; and the recent emergence of women's NGOs in the context of China's transition to a market economy and the growth of a UN-based international women's movement.

POLI 376 Units: 1.5 Hours: 3-0
Formerly: 419
Politics in India

An exploration of the major themes in the political and economic development of independent India, including the fate of the Nehruvian development model, the contemporary crisis of the state and secularism, the transition to globalization, and the politics of caste, class and gender.

Note: Credit will be granted for only one of 376, 419, 433 (if taken in the same topic).

POLI 377 Units: 1.5 Hours: 3-0
Comparative Environmental Politics

Comparative analysis of different nations' responses to environmental problems such as climate change and biodiversity loss, including examination of the development and implementation of international environmental agreements.

POLI 378 Units: 1.5 Hours: 3-0
Comparative Federalism

Examines a variety of developed and developing federations with a view to improving our understanding of the relationship between formal federal arrangements and their underlying political communities. The factors affecting the governance, administration and policy performance of federations will be examined. The broad objective is to use comparative experience to improve our understanding of Canadian federalism.

POLI 379 Units: 1.5 Hours: 3-0
Topics in Contemporary European Politics

Analysis of contemporary issues in European politics in comparative perspective, with a strong emphasis on the European Union and the process of European integration.

Note: May be taken more than once for credit in different topics with permission of the department.

POLI 401 Units: 1.5 Hours: 3-0
Advanced Topics in Political Theory

An advanced seminar on contemporary issues and problems in political theory.

Note: May be taken more than once for credit in different topics with permission of the department.

Prerequisites: Two courses from 300A, 300B, or 300C or permission of the instructor.

POLI 402 Units: 1.5 Hours: 3-0
Formerly: 302
Contemporary Themes in Political Thought

Major themes in contemporary political thought focusing especially on the interplay between theories of modernity and concepts of political identity and community.

Note: Credit will be granted for only one of 402, 302.

Prerequisites: Two courses from 300A, 300B, or 300C, or permission of the instructor.

POLI 412 Units: 1.5 Hours: 3-0
Migration, Nationalism and Identity in Asia

Migration has greatly complicated and unsettled the post-WWII associations between people, places, and identity. The seemingly simple question, "Who is Chinese?" or, "Who is Japanese?" is fraught with nuance and complexity. Aims to help students critically analyze the complex political, economic, and cultural dynamics of migration, nationalism, and identity in Asia.

Note: Credit will be granted for only one of 412, 433 (if taken in the same topic).

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POLI 413 Units: 1.5 Hours: 3-0 **Feminist Political Thought (Seminar Course)**

An examination of feminist critiques of contemporary political theory and feminist social criticism and political thought, with particular attention to debates about knowledge, subjectivity and difference.

Prerequisites: Two courses from 300A, 300B or 300C, or permission of the instructor.

POLI 414 Units: 1.5 Hours: 3-0 **Politics in the European Union (Seminar Course)**

The politics, institutions, policy-making process, and the role of various nation-states in the European Union, in historical and contemporary contexts. Attention will also be given to theories of European integration.

Prerequisites: 311 or permission of the instructor.

POLI 420 Units: 1.5 Hours: 3-0 **Constitutional Law and Politics in Canada (Seminar Course)**

Explores how the courts and the Constitution play a role in social change. Includes an examination of judicial review in Canadian politics, mostly in the post-Charter era.

Note: Credit will be granted for only one of 420, 433 (if taken in the topic "Issues in Politics: Politics and the Charter").

Prerequisites: 320 or permission of the instructor.

POLI 422 Units: 1.5 Hours: 3-0 **Youth Politics**

An examination of youth politics and its history and political implications. Topics include voting, political participation, civic engagement, education, activism, technology and working youth.

POLI 430 Units: 1.5 Hours: 3-0 **Media, Technology and Politics**

A critical examination of the impact of new electronic technologies of communication upon contemporary politics. Focuses on clashing perspectives on the digital future. Explores the meaning of power, information and identity in the 21st century. Particular attention is paid to both theoretical and multimedia approaches to understanding politics in the age of interactivity.

POLI 431 Units: 1.5, formerly 3 Hours: 3-0 **Formerly: 459** **Comparative Political Analysis (Seminar Course)**

Critical perspectives on the politics of advanced industrial societies with a focus on evolving state-society relations. Topics include the fate of social democracy, political parties, social movements, structures of class, race and gender and their evolution in a changing political economy.

Note: Credit will be granted for only one of 431, 459.

POLI 432 Units: 1.5 Hours: 3-0 **The Politics of Social Movements**

Drawing on the fields of political science, sociology, social movement studies, critical theory, and political philosophy, focuses on the relationship between themes of cultural recognition and economic equality in contemporary social movement politics. Key concepts include ideology, new social movements, recognition, and redistribution.

Note: Credit will be granted for only one of 432, 433 (if taken in the topic "Issues in Politics: Recognition, Redistribution and Social Movement Politics").

Prerequisites: One of 300C, 306, 305, 334, 335, or permission of the instructor.

POLI 433 Units: 1.5 or 3.0 Hours: 3-0 **Issues in Politics (Seminar Course)**

A seminar in selected contemporary political issues.

Note: May be taken more than once for credit in different topics with permission of the department.

POLI 434 Units: 1.5 Hours: 3-0 **The Politics of Class**

An exploration of how social and economic class affects politics and becomes a political issue in Canada and other western countries. Drawing from political history, sociology and political economy, topics will include debates over the conceptualization of class and classes, the historical trajectory of working class political parties, the formation and decline of working class identity, and the classed aspects of contemporary politics and social movements (e.g., the women's movement, anti-racism, gay and lesbian politics, etc.).

Prerequisites: Fourth-year standing or permission of the department.

POLI 436 Units: 1.5 Hours: 3-0 **Politics of Human Rights in New Democracies**

Comparative study of the politics of human rights in new democracies. Issues may include the meaning and history of human rights, human rights organizations, transitional justice, and institutional reform.

POLI 442 Units: 1.5 Hours: 3-0 **Formerly: 342** **International Law (Seminar Course)**

An exploration of a number of selected areas and issues of international law and practice. Content varies from year to year, and may include international laws governing human rights, the use of force, the environment, indigenous peoples, criminality, economic relations, and transactions.

Note: Credit will be granted for only one of 442, 342.

Prerequisites: 329 or permission of the instructor.

POLI 443 Units: 1.5 Hours: 3-0 **Ethnicity, Nationalism and Violent Conflict (Seminar Course)**

A critical examination of some of the major theories of ethno-nationalism and identity-based conflict. Discussion of the particular challenges that ethno-nationalism poses for multi-ethnic states and for the international community; and consider institutional arrangements designed to manage ethnic diversity and reduce the potential for conflict. Examining relevant case studies, students will explore a variety of topics, including: the origin of nationalism, sources of conflict, institutional management of conflict, the role of the international community and gendered aspects of ethno-nationalist conflict.

Note: Credit will be granted for only one of 443, 433 (if taken in the topic "Issues in Politics: Security and Ethnic Conflict").

POLI 444 Units: 1.5 Hours: 3-0 **Globalization, Autonomy, and Co-operation (Seminar Course)**

Problems of national economic policy and international economic co-operation in the contemporary context of internationally-mobile capital, extensive trade in goods and services, and transnational production structures. Attention to multilateral institutions and regional institutions such as NAFTA and the European Union.

Prerequisites: 344 or permission of the instructor.

POLI 456 Units: 1.5 Hours: 3-0 **The Politics of Information (Seminar Course)**

A comparative analysis of the theoretical and policy issues surrounding the collection, treatment and disclosure of government information. Topics include:

surveillance, privacy, access to information, press freedom and censorship.

POLI 458 Units: 1.5 Hours: 3-0 **Topics in Environmental Politics (Seminar Course)**

An examination of political factors shaping responses to selected global environmental issues.

POLI 461 Units: 1.5 Hours: 3-0 **Contemporary Challenges to the Canadian State (Seminar Course)**

An analysis of political, social, cultural, economic and technological forces which may profoundly alter the structure of the Canadian state, including supranational trade pacts, the Québec sovereigntist program, aboriginal claims to sovereign forms of self-government, and new populist instruments of governance.

POLI 462 Units: 1.5 Hours: 3-0 **Also: ADMN 462, 547** **Intergovernmental Relations in Canada**

Examines the nature of relations among federal, provincial, and municipal governments, and the impact of those relations on public policy. Includes discussion of topics such as the modalities of fiscal federalism and the concepts of executive federalism and intergovernmental governance.

Note: Credit will be granted for only one of 462, 433 (if taken in the same topic), ADMN 462, 490 (if taken in the same topic), 547.

Prerequisites: 102 or 201.

POLI 465 Units: 1.5, formerly 3 Hours: 3-0 **British Columbia Governance**

An examination of the political institutions and public policy processes of provincial government in British Columbia.

POLI 490 Units: 1.5 or 3.0 **Directed Reading**

Directed reading and/or research for Honours students under the supervision of an available faculty member may be offered to meet special circumstances. No more than 3 units of directed reading may be applied toward degree requirements and, except with the approval of the department, such units will not be applied toward the distribution requirement.

Note: Not open to Majors except with special permission of the department. Generally not offered in Summer Studies.

POLI 499 Units: 3.0 Hours: 3-0 **Honours Seminar and Essay**

Students will prepare an in-depth examination of a selected topic in Political Science, working closely with a faculty supervisor. The seminar will meet on occasion in fall and spring terms for student presentations of essay proposals and work in progress. The essay should be approximately 15,000 words, must conform to acceptable standards of style and format, and must be submitted before the end of second term classes. An oral presentation and defence of the final essay will be scheduled during exam period in April.

Prerequisites: Admission to Political Science Honours program; and 338, 339, and fourth-year standing, or permission of the honours adviser.

PORT

Portuguese

Department of Hispanic and Italian Studies

Faculty of Humanities

Native speakers of Portuguese may not obtain credit for 100- or 200-level courses. A native speaker is defined as a person who has spoken Portuguese since childhood and/or has received sufficient instruction in the language to be literate in it. The department will assign students with previous knowledge to the appropriate level.

PORT 100A Units: 1.5 Hours: 3-1
Beginners' Portuguese I

Focuses on the acquisition of basic skills of pronunciation, reading, writing and conversation. Includes instruction in essential points of grammar, basic syntax and vocabulary for daily interaction.

PORT 100B Units: 1.5 Hours: 3-1
Beginners' Portuguese II

A continuation of 100A, with emphasis on the acquisition of basic skills. Vocabulary and grammatical concepts will be expanded.

Prerequisites: 100A or permission of the department.

PORT 250A Units: 1.5 Hours: 3-1
Review of Grammar and Conversation I

Intensive review of grammatical concepts and structures presented in 100A and 100B and the acquisition of composition and translation skills. Readings may be taken from significant Portuguese authors. One hour a week is devoted to conversation.

Prerequisites: 100B or permission of the department.

PORT 250B Units: 1.5 Hours: 3-1
Review of Grammar and Conversation II

A continuation of 250A. Review of grammatical concepts and structures introduced in 100A and 100B as well as on the expansion and consolidation of skills acquired in 250A. Readings may be taken from significant Portuguese authors. One hour a week is devoted to conversation.

Prerequisites: 250A.

PORT 300 Units: 1.5 Hours: 3-0
Reading Portuguese

Designed for the attainment of reading proficiency in Portuguese. Basic Portuguese grammar taught in conjunction with texts of progressive complexity.

Note: Recommended particularly for third- and fourth-year undergraduate and graduate students. Not open to students who have previously taken Portuguese language courses unless permission is granted by the department.

PSYC

Psychology

Department of Psychology

Faculty of Social Sciences

PSYC 100A Units: 1.5 Hours: 3-0
Formerly: half of 100
Introductory Psychology I

An introduction to concepts, theories and research findings of modern psychology. Topics may include psychological research methods, biological bases of behaviour, perception, development, consciousness, learning and cognition.

Note: Credit will be granted for only one of 100A, 100. A minimum grade of C+ is required for the Major or Honours program.

PSYC 100B Units: 1.5 Hours: 3-0
Formerly: half of 100
Introductory Psychology II

An introduction to concepts, theories and research findings of modern psychology. Topics may include cognition, development, personality, health psychology, psychological disorders, psychological therapies, and social behaviour.

Note: Credit will be granted for only one of 100B, 100. A minimum grade of C+ is required for the Major or Honours program.

PSYC 201 Units: 1.5 Hours: 3-1
Formerly: half of 200
Research Methods in Psychology

Introduction to basic research techniques in psychology; emphasis on the conceptual rather than the statistical rationale underlying various research strategies. Areas include the nature of variables, types of measurement, how to generate and test hypotheses, types of validity, and how to interpret and report results. Laboratory exercises and class demonstrations on the processes involved in conducting empirical research.

Note: Credit will be granted for only one of 201, 200. See Note 1, page 215.

Prerequisites: 100A and 100B, with a minimum GPA of 3.0 for both.

PSYC 202 Units: 1.5 Hours: 3-0
Applied Research Methods in Psychology

An introduction to research methods often used for psychological studies outside the lab. These include field experiments and quasi-experiments; correlational studies; surveys, sampling and questionnaires; descriptive and qualitative methods; case studies and single-case designs.

Prerequisites: 100A and 100B with a minimum grade of C+ in each; 201 with a minimum grade of C.

PSYC 210 Units: 1.5, formerly 3 Hours: 3-0
Conceptual Foundations of Psychology

Provides students with the background necessary to facilitate a full appreciation of upper-level courses. Current problems in psychology will be examined with reference to outstanding past and present persons and issues.

Note: See Note 1, page 215.

Pre- or corequisites: 100A and 100B.

PSYC 215A Units: 1.5 Hours: 3-0
Formerly: half of 230
Introduction to Biological Psychology

Basic concepts of brain function in relation to behaviour. Topics will include basic aspects of neuronal functions, neuroanatomy, and behavioural genetics, as well as the functioning of the nervous system in relation to sensation, motor output, and at least one other aspect of behaviour.

Note: Credit will be granted for only one of 215A, 230. See Note 1, page 215.

Prerequisites: 100A and 100B, or second-year standing and 1.5 units of BIOL (or PE 141, 241A or 241B).

PSYC 300A Units: 1.5 Hours: 3-1
Formerly: half of 300
Statistical Methods in Psychology

Brief review of research methodology; univariate description, bivariate description, and an introduction to probability and inferential statistics as applied in Psychology. Introduction to microcomputer software and computer based analyses of the statistical procedures covered in the course.

Note: Credit will be granted for only one of 300A, 300. See Notes 1 and 2, page 215, and "Credit Limit - Introductory Statistics Courses," page 32.

Prerequisites: MATH 12 or 120 (or equivalent course in pre-calculus; completion of core requirement for Psychology Majors and Honours, or declaration of Major or Honours program in Linguistics (BSc).

PSYC 300B Units: 1.5 Hours: 3-1
Formerly: half of 300
Statistical Methods in Psychology II

Contains a brief review of the topics covered in 300A and deals with statistical analysis procedures for two-group and multi-group experimental designs. The focus is on t-tests and analysis of variance. The differences between repeated measures and independent groups designs and analyses are emphasized. Students are expected to analyze an experimental data set using the appropriate statistical procedures, and to prepare a research report.

Note: Credit will be granted for only one of 300B, 300. See Notes 1 and 2, page 215 and "Credit Limit - Introductory Statistics Courses," page 32.

Prerequisites: A minimum grade of C in 300A; completion of core requirements for Psychology Majors and Honours, or declaration of Major or Honours program in Linguistics (BSc).

PSYC 311B Units: 1.5 Hours: 3-0
Formerly: half of 311
Conditioning and Learning: Behavioural Emphasis

An analysis of the acquisition, maintenance and modification of behaviour in terms of observational environmental determinants. Respondent and operant conditioning; positive and negative reinforcement; extinction; shaping; reinforcement schedules; generalization and discrimination; escape and avoidance; punishment. Review of basic animal research; training to apply behavioural principles to understand everyday human behaviour.

Note: Credit will be granted for only one of 311B, 311.

Prerequisites: 100A, 100B, and either 201 or third-year standing, or permission.

PSYC 313 Units: 1.5 Hours: 3-0
Formerly: 313A, 313B
Cognitive Psychology

The basic approach to studying cognitive processes. Topics include pattern recognition, attention, memory, language, categorization, problem solving, reasoning and decision making.

Note: Credit will be granted for only one of 313, 313A, 313B.

Prerequisites: 100A, 100B, 201 or third-year standing.

PSYC 315 Units: 1.5, formerly 3 Hours: 3-0
Introduction to Human Neuropsychology

An introduction to neuroanatomy and neurophysiology as related to human and animal brain function and behaviour. Consideration of the contributions of neurology, experimental and clinical neuropsychology to the understanding of normal cognitive and affective functioning and of disturbances resulting from brain damage in selected areas.

Prerequisites: 100A, 100B, 215A.

PSYC 317A Units: 1.5 Hours: 3-0
Formerly: half of 317
Sensation and Psychophysics

The physical basis of human sensory processing. The physiology of the visual, auditory and minor senses is covered with an emphasis on functional models of sensory system operation. Course material also includes topics related to the measurement of sensory experience. The four classic psychophysical problems of detection, recognition, discrimination and scaling are covered with an emphasis on their mathematical and statistical basis.

Note: Credit will be granted for only one of 317A, 317.

370 COURSE LISTINGS

Prerequisites: 100A, 100B, 215A.

PSYC 317B Units: 1.5 Hours: 3-0
Formerly: half of 317
Human Perception

An introduction to how our perceptual world is constructed from the input provided by our physical sensory structures. Topics include the construction of spatial percepts, the perception of form and art, and individual differences in perceptual experience. The emphasis is on the hypothesis testing aspects of our perceptual experience.

Note: Credit will be granted for only one of 317B, 317.

Prerequisites: 100A, 100B, and either 215A or 317A.

PSYC 320 Units: 1.5 Hours: 3-0
Evolutionary Psychology

Provides an overview and history of the field of evolutionary psychology and includes evolutionary perspectives on psychological topics such as learning, cognition, consciousness, social behaviour, families and culture.

Prerequisites: 100A, 100B, 201, 210, 215A.

PSYC 323 Units: 1.5 Hours: 3-0
Advanced Biopsychology

An advanced course on the physiological basis of behaviour. Covers the fundamentals of neurophysiology and neuroanatomy from a functional perspective, with an emphasis on the anatomy of the human nervous system. Examines the physiological basis of behaviours through review of contemporary research in areas such as sleep, reproduction, aggression, ingestion, learning and memory, motivation, and mental disorders.

Prerequisites: 100A, 100B, 215A.

PSYC 324 Units: 1.5 Hours: 3-0
Formerly: 424
Human Psychophysiology

Physiological correlates of behaviour in the intact human subject. Topics include: the autonomic nervous system; basis and principles of polygraph measurement; physiological correlates of attention and cognitive activity; the role of physiological activity in emotion; physiological effects of stress; biofeedback and meditation; and lie detection.

Note: Credit will be granted for only one of 324, 424.

Prerequisites: 100A, 100B, 215A, or permission of the instructor. Some background in human physiology is recommended.

PSYC 330 Units: 1.5, formerly 3 Hours: 3-0
Personality

An introduction to personality theory and its applications. A survey of several major strategies followed in conceptualizing personality, e.g., psychoanalytic, dispositional plus emphasis on measurement of personality, current research, and approaches to personality change.

Prerequisites: 100A, 100B, and either 201 or third-year standing.

PSYC 331 Units: 1.5, formerly 3 Hours: 3-0
Social Psychology

A survey of theories and findings: social perception, socialization, social motivation, attitude development and change, interpersonal interaction, and group processes.

Prerequisites: 100A, 100B.

PSYC 332 Units: 1.5 Hours: 3-0
Health Psychology

A study of health issues from the standpoint of biological, psychological, and social factors acting together. Topics include health promotion, approaches to health-behaviour change, stress and coping, patient-practitioner interaction, pain, psychological is-

sues in chronic and terminal illness, death and bereavement, the role of psychological factors in disease and treatment.

Prerequisites: 100A, 100B.

PSYC 333 Units: 1.5 Hours: 3-0
Formerly: 334B
Consumer Psychology

Psychological processes in consumers: marketing strategies and behaviour, cognition, comprehension, learning, perception, motivation, attitudes, values, and decision making; environmental, cultural, and subcultural influences; ethical issues.

Note: Credit will be granted for only one of 333, 334B, 334 (if taken in 1970-72).

Prerequisites: 100A, 100B.

PSYC 334 Units: 1.5 Hours: 3-0
Formerly: 334A
Organizational Psychology

Individuals at work: personnel selection, training, motivation, attitudes, and appraisal; leadership, communication, management, productivity, work conditions, safety, and organizational development.

Note: Credit will be granted for only one of 334, 334A, COM 120, COM 220.

Prerequisites: 100A, 100B.

PSYC 335 Units: 1.5 Hours: 3-0
Infant and Child Development

Psychological processes from conception through about 12 years of age; prenatal development, physical growth, perceptual and cognitive processes, language acquisition, personality development, and social processes.

Note: Credit will be granted for only one of 335, 333A.

Prerequisites: 100A, 100B, and either 201 or third-year standing.

PSYC 336 Units: 1.5 Hours: 3-0
Adolescent Development

Psychological processes during adolescence: physical development, cognitive processes, emotional development, social processes, and psychopathology.

Note: Credit will be granted for only one of 336, 333A.

Prerequisites: 100A, 100B, and either 201 or third-year standing.

PSYC 338 Units: 1.5 Hours: 3-0
Behavioural Modification in Children and Adults

Consideration of behavioural procedures for assessing and changing problem behaviours, with examples from both children (primarily) and adults. Provides students with a rudimentary ability to apply behavioural techniques in their own lives, as well as to appreciate some of the potential problems involved.

Prerequisites: 100A, 100B.

PSYC 339 Units: 1.5 Hours: 3-0
Adult Development and Aging

Overview of research examining psychological processes during adulthood and aging. Topics will include biological processes, perceptual and cognitive processes, personality and social processes, sources of stress, psychopathology, and death.

Note: Credit will be granted for only one of 339, 333B.

Prerequisites: 100A, 100B, and either 201 or third-year standing.

PSYC 340 Units: 1.5 Hours: 3-0
Interpersonal Communication

An examination of human communication, with particular emphasis on face-to-face interaction. Topics include: verbal communication, nonverbal communication, interpersonal systems, and systemic approaches to psychopathology. This is a theory and

research course using primary sources; it does not teach communication skills, mass communication, or applied communication.

Prerequisites: 100A, 100B, 201, third- or fourth-year standing.

PSYC 341 Units: 1.5 Hours: 3-0
Formerly: 441
Women and Psychology

Examines social-historical changes in psychological theories and research concerning girls and women. Major theorists including Freud, Thompson, Erickson, Chodorow, Gilligan, Baker-Miller and others are studied in the context of cultural norms for women that existed when these authors were writing. Considers the implications of women's changing roles for research in developmental and clinical psychology and for the treatment of women's mental health concerns. Examines current directions of research and practice in the psychology of women's development.

Note: Credit will be granted for only one of 341, 441, 441C.

Prerequisites: 100A, 100B, and either 201 or third-year standing.

PSYC 342 Units: 1.5 Hours: 3-0
Formerly: 235
Theories and Methods in Lifespan Developmental Psychology

A survey of the issues, theories and methods in the study of human psychological development across the entire span of life. Theories include organismic, mechanistic, contextual, and humanistic approaches. Methods appropriate for the study of psychological change are discussed.

Note: Credit will be granted for only one of 342, 235.

Prerequisites: 100A, 100B, 201, 210.

PSYC 345A Units: 1.5 Hours: 3-0
Formerly: half of 345
Drugs and Behaviour: Basic Principles

An introductory course designed to review the scientific literature on drugs, behaviour, and the central nervous system. Topics include introductions to pharmacology, neuropharmacology, the experimental analysis of behaviour, and the behavioural determinants of drug action.

Note: Credit will be granted for only one of 345A, 345.

Prerequisites: 100A, 100B, 215A.

PSYC 350 Units: 1.5, formerly 3 Hours: 3-1
Environmental Psychology

Human interaction with the physical environment from a psychological perspective. Topics include environmental perception, cognition, and assessment; personality and environment; the dynamics of social space; the effects of temperature, sound, light and spatial arrangements in neighbourhoods, homes, schools and workplaces; mutual influences of individuals and the natural environment, the design of buildings, and resource management.

Prerequisites: 201 or registration in *Environmental Studies*.

PSYC 360 Units: 1.5 Hours: 3-0
Formerly: half of 430
Psychological Disorders of Adulthood

Examines theory and research related to an understanding of psychological disorders of adulthood. Topics include mood and anxiety related disorders, personality disorders, substance abuse and dependence, schizophrenia and other psychotic disorders, and cognitively based disorders. Topics will be discussed in terms of biological, learning, developmental, humanistic, and cross-cultural perspectives.

Note: Credit will be granted for only one of 360, 430.

Prerequisites: 100A, 100B, 201, 215A.

Pre- or corequisites: *Recommended: 361 or volunteer experience with a community agency.*

PSYC 361 Units: 1.5 Hours: 1.5-0
Formerly: half of 430
Field Placement in Psychology

Provides firsthand experience with individuals who are challenged by physical, cognitive, emotional, and/or psychological disorders. Successful completion of the course requires approximately 65 hours of participation in a volunteer field placement with a community agency (spread over at least 4 months), class attendance and preparation of assignments pertaining to the volunteer experience. Students will be responsible for obtaining the field placement site, with assistance and coordination of the instructor. Meets September to April.

Note: *Credit will be granted for only one of 361, 430.*

Pre- or corequisites: 360 or 366.

Grading: COM, N, F.

PSYC 365 Units: 1.5 Hours: 3-0
Formerly: 432
Fundamentals of Clinical Psychology

Concepts, methods, and professional issues; the historical development of the profession, the scientist/practitioner model of training and practice, current research and clinical methods, professional/ethical issues; may include other current topics.

Note: *Credit will be granted for only one of 365, 432.*

Prerequisites: 100A, 100B.

Pre- or corequisites: 330, 360 or 430.

PSYC 366 Units: 1.5 Hours: 3-0
Formerly: 436
Psychological Disorders of Childhood and Adolescence

A detailed study of theoretical and research approaches to the understanding of developmentally-related disorders of childhood and adolescence. Emphasis will be on etiology, description and treatment of these disorders which are in specific developmental "stages," although other disorders which frequently occur during childhood/adolescence will also be considered.

Note: *Credit will be granted for only one of 366, 436.*

Prerequisites: 100A, 100B and either 201 or third-year standing.

Pre- or corequisites: *Recommended: Course in developmental or child psychology and 361 or volunteer experience with a community agency.*

PSYC 370A Units: 1.5 Hours: 3-0
Also: LING 370A
Formerly: 370
Psycholinguistics

Offered in collaboration with the department of Linguistics. A course in the psychology of language, examining the process of comprehension and production, including language and cognition, conversational discourse, and inference and semantics, among other topics.

Note: *Credit will be granted for only one of 370A, 370, LING 370, LING 370A.*

Prerequisites: 100A, 100B; or permission of the instructor.

PSYC 370B Units: 1.5 Hours: 3-0
Also: LING 370B
Formerly: 369
Developmental Psycholinguistics

Offered in collaboration with the department of Linguistics. The course examines the biological bases of language; stage by stage acquisition of phonology, morphology, syntax, and semantics of the child's first language; and the child's developing metalinguistic abilities. Also treated are the child's growing aware-

ness of the form and function of speech acts, as well as the discourse rules governing conversations.

Note: *Credit will be granted for only one of 370B, 369, LING 369, LING 370B.*

Prerequisites: 100A, 100B; or permission of the instructor.

PSYC 380 Units: 1.5 Hours: 3-0
Psychology and Law

Consideration of the contributions of psychological theory and research to the understanding of crime investigation, courtroom dynamics, and the legal system. Specific topics will vary from year to year but may include eyewitness testimony, police practices, judge and jury decision making, lie detection and confessions, expert testimony. Topics will be discussed from the perspectives of social and cognitive psychology.

Prerequisites: 100A, 100B, 201.

PSYC 385 Units: 1.5 Hours: 3-0
Motivation and Emotion

Contemporary theoretical, conceptual and methodological issues regarding the psychological forces that activate, organize and direct human feelings and behaviours. Emphasis on cognitive and social perspectives on motivation and emotion.

Prerequisites: 100A, 100B.

PSYC 390 Units: 1.5 or 3.0
Independent Study in Psychology

Directed independent study intended primarily to allow students and a faculty supervisor to pursue a topic of mutual interest. Complete *Pro Forma* arrangements must be made with an instructor in the department before registering.

Notes: - *May be taken more than once for credit in different topics.*

- *The maximum credit for 390 and 490 together must not exceed 6 units without permission of the Chair of the department.*

Prerequisites: 100A, 100B, 201, third-year standing and a minimum GPA of 5.5 in the last 15 units attempted.

PSYC 391 Units: 1.5 Hours: 3-0
Special Topics in Psychology

Intensive examination of a specific topic or area in Psychology. Topic(s) and information will be provided in advance of registration.

A01: Psychology of Criminal Justice Processes

Note: *May be taken more than once in different topics.*

Prerequisites: 201, third-year standing.

PSYC 400A Units: 1.5 Hours: 3-0
Advanced Statistical Methods: The General Linear Model

An introduction to advanced research designs and their underlying rationale. Experimental design and statistical techniques will be applied to problems in psychology. Extensive treatment will be applied to the use of the general linear model. Examines designs having multiple independent variables and a single dependent variable. Topics covered include correlation, multiple regression, analysis of variance and sampling.

Prerequisites: 100A, 100B, 300B and permission of the instructor.

PSYC 401 Units: 1.5 Hours: 3-0
Measurement of Psychological Processes

The measurement of individual differences, especially personality and ability traits. The focus will be on reliability and validity - how do we know whether, and to what degree, a psychological measure is reliable and valid? Topics include designs for estimating reliability and validity, advanced correlation, and current problems and issues in the field.

Note: *The course does not teach how to give psychological tests.*

Prerequisites: 100A, 100B, a minimum grade of C in both 201 and 300A and permission of the instructor.

PSYC 412A Units: 1.5 Hours: 3-0
Behaviour Analysis: Complex Behaviour

Interpretative analyses of complex human behaviour from a behaviour-analytical perspective. Topics may include attending, thinking, remembering, and verbal behaviour.

Note: *Credit will be granted for only one of 412A, 312.*

Prerequisites: 100A, 100B and either 311B or permission of the instructor.

PSYC 412B Units: 1.5 Hours: 3-0
Behaviour Analysis: Applied Research

Survey and critical evaluation of recent research in applied behaviour analysis. Topics may include applications to children, developmental disabilities, community, sports, business, and substance abuse.

Prerequisites: 100A, 100B and either 338 or permission of the instructor.

PSYC 412C Units: 1.5 Hours: 3-0
Behaviour Analysis: Basic Research

Survey of recent research in the experimental analysis of behaviour. Focus is on complex human behaviour. Topics may include stimulus equivalence, verbal behaviour, rule-governed behaviour, fluency, problem solving, and novelty.

Prerequisites: 100A, 100B and either 311B or permission of the instructor.

PSYC 413A Units: 1.5 Hours: 3-0
Memory

Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of human memory. Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.

Prerequisites: 100A, 100B, 313.

PSYC 413B Units: 1.5 Hours: 3-0
Consciousness

Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of consciousness. Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.

Prerequisites: 100A, 100B, 313.

PSYC 413C Units: 1.5 Hours: 3-0
Vision

Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of human vision. Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.

Prerequisites: 100A, 100B, 313.

PSYC 413D Units: 1.5 Hours: 3-0
Cognitive Control

Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of cognitive control (i.e., how people regulate their attention, thoughts, and actions in accord with their goals). Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.

Prerequisites: 100A, 100B, 313.

PSYC 415A Units: 1.5 Hours: 3-0
Formerly: 415

Human Neuropsychology

Examines brain behaviour relationships by studying qualitative changes in cognitive performance following focal brain damage. The historical approach provides readings from both classical (e.g., Wernicke, Liepmann) and contemporary sources. Topics include localization of function, aphasia, agnosia, apraxia, and amnesia. Methods of clinical testing and diagnosis will be presented.

Note: Credit will be granted for only one of 415A, 415.

Prerequisites: 100A, 100B, 315.

PSYC 415B Units: 1.5 Hours: 3-0
Formerly: 423

Biological Psychology

Extensive, research oriented examination of contemporary topics in biological psychology. Topics may include the biopsychology of motivation, memory, neural plasticity and changes in function after brain injury. The seminar format of this course requires students to make an oral presentation and write a term paper about an area of current research.

Note: Credit will be granted for only one of 415B, 423.

Prerequisites: 100A, 100B, 215A and one of 323, BIOL 345, BIOL 365.

Pre- or corequisites: 300A/B or STAT 255/256 recommended.

PSYC 431B Units: 1.5 Hours: 3-0
Social Psychology: Social Cognition

Intensive examination of the social psychological literature emphasizing how people think about and make sense of their social experience. Topics may include how people create and maintain a sense of identity, close relationships, attitudes, persuasion, applications of social psychology.

Prerequisites: 100A, 100B, 331.

PSYC 431D Units: 1.5 Hours: 3-0
Social Psychology: Face-to-Face Interaction

Intensive examination of human communication in face-to-face dialogue. Topics will be drawn from the realm of theory and research concerning communication within interpersonal relationships.

Prerequisites: 100A, 100B, 340.

PSYC 431E Units: 1.5 Hours: 3-0
Social Psychology: Environmental Psychology

An in-depth analysis of how people's thoughts, feelings, and interactions influence and are influenced by the built and natural environment.

Prerequisites: 100A, 100B, 350.

PSYC 431G Units: 1.5 Hours: 3-0
Social Psychology: Self-Regulation and Goals

An examination of the ways people select and prioritize goals; how they are pursued; factors that lead to success or failure in achieving particular aims; and consequences for individual functioning and well-being. Contemporary theoretical, conceptual and methodological issues. Emphasis on social-cognitive approaches to goals and self-regulation.

Note: Credit will be granted for only one of 431G, 491 (if taken in the topic "Motivation").

Prerequisites: 201, 210, 385 and third-year standing.

PSYC 435A Units: 1.5 Hours: 3-0
Infant Development

Intensive examination of specific processes in infant development. Possible topics will include social-emotional and cognitive development, parenting and attachment, perception, motor development, neurological development.

Prerequisites: 100A, 100B, 201 and one of the 300-level developmental courses: 335, 336, 339, 342.

PSYC 435B Units: 1.5 Hours: 3-0
Child and Adolescent Social and Personality Development

Intensive examination of specific processes in child and adolescent social and personality development. Possible topics will include identity, peer influences, schooling, aggression, deviance, sexuality, cultural influences, social development, moral development, developmental psychopathology.

Prerequisites: 100A, 100B, 201 and one of the 300-level developmental courses: 335, 336, 339, 342.

PSYC 435C Units: 1.5 Hours: 3-0
Child and Adolescent Cognitive Development

Intensive examination of specific processes in child and adolescent cognitive development. Possible topics will include decision making, reasoning, neurophysiological changes, memory, language, learning problems, problem solving.

Prerequisites: 100A, 100B, 201 and one of the 300-level developmental courses: 335, 336, 339, 342.

PSYC 435D Units: 1.5 Hours: 3-0
Adult Social and Personality Development

Intensive examination of specific processes in adult social and personality development. Possible topics will include personality traits, identity, goals and motives, emotions, social interaction, beliefs and values, successful aging, compensatory mechanisms, cultural context.

Prerequisites: 100A, 100B, 201 and one of the 300-level developmental courses: 335, 336, 339, 342.

PSYC 435E Units: 1.5 Hours: 3-0
Adult Cognitive Development

Intensive examination of specific processes in adult cognitive development. Possible topics will include neurological changes, memory, attention, intelligence, expertise, problem solving, wisdom, dementia.

Prerequisites: 100A, 100B, 201 and one of the 300-level developmental courses: 335, 336, 339, 342.

PSYC 450 Units: 1.5 Hours: 3-0
Developmental Handicaps and Learning Disabilities

Survey of a number of learning and developmental disabilities. Discussion of etiologies, assessment procedures, current education/treatment approaches, and in-depth examination of underlying brain function. Emphasis on learning disabilities, and education of children with developmental handicaps. It is recommended that non-psychology students have a strong background in the biological sciences.

Prerequisites: 100A, 100B, 215A, 315 or 335, and third-year standing.

PSYC 490 Units: 1.5 or 3.0
Advanced Independent Study in Psychology

Directed independent study for the advanced student intended primarily to allow students and a faculty supervisor to pursue a topic of mutual interest. Complete *Pro Forma* arrangements must be made with an instructor in the department before registering.

Notes: - May be taken more than once in different topics.

- The maximum credit for 390 and 490 together must not exceed 6 units without permission of the department.

Prerequisites: 100A, 100B, 201, 390, fourth-year standing and a minimum GPA of 5.5 in the last 15 units attempted.

PSYC 491 Units: 1.5 Hours: 3-0
Advanced Special Topics in Psychology

Note: May be taken more than once for credit in different topics.

Prerequisites: 201 and third-year standing. Additional pre-requisites dependent upon topic being offered.

PSYC 492 Units: 1.5 Hours: 2-1
Research Seminar in Psychology

A seminar and laboratory research course for Psychology Honours and Majors. Course content will vary with instructor.

Note: May be taken more than once for credit in different topics.

Prerequisites: Completion of core requirements for Psychology Honours or Majors and permission of the department.

PSYC 499 Units: 3.0 Hours: 1-2-1
Honours Thesis and Seminar

Students will attend a weekly seminar which includes oral presentation of their proposed thesis research in the first term and a progress report of the research in the second term. For the remainder of the program, the students will work closely with a faculty supervisor regarding details of the written thesis which is submitted in April.

Prerequisites: Admission to the Honours Program.

RS

**Religious Studies
Religious Studies Program
Faculty of Humanities**

RS 200A Units: 1.5 Hours: 3-0
Introduction to Judaism, Christianity and Islam

An introductory survey of the sources, beliefs and practices of Judaism, Christianity and Islam. The traditions will be studied in their cultural and political contexts from both historical and contemporary perspectives.

RS 200B Units: 1.5 Hours: 3-0
Also: PAAS 204

Introduction to Hinduism, Buddhism, Sikhism and the Chinese Religions

An introductory survey of the sources, beliefs and practices of Hinduism, Buddhism, Sikhism, and the Chinese religions. The traditions will be studied in their cultural and political contexts from both historical and contemporary perspectives.

Note: Credit will be granted for only one of 200B, PAAS 204.

RS 301 Units: 1.5 Hours: 3-0
Contemporary Religious Issues

The major religious traditions and their relationship to contemporary social, cultural, political and economic issues such as gender, death, ecology, work and the market economy.

Note: 200A and 200B recommended.

Prerequisites: Second-year standing.

RS 302 Units: 1.5 Hours: 3-0
Ways of Understanding Religion

An examination of how the methods and understanding of disciplines such as Anthropology, History, Philosophy, Psychology, and Sociology contribute to the study of religion.

Note: 200A and 200B recommended.

Prerequisites: Second-year standing.

RS 401 Units: 1.5 Hours: 3-0
Selected Topics in Religious Studies

Application of critical and analytic methods in Religious Studies to a particular religious topic. Topics may include: religion and death, religion and environment.

Note: May be taken more than once for credit in different topics with permission of the program to a maximum of 6 units.

Prerequisites: 200A, 200B, and 301 or 302; or permission of the program.

RS 403 Units: 1.5 Hours: 3-0
Studies in Religion and Society

Course study based on events at or organized by the Centre for Studies in Religion and Society, including weekly lectures by Centre Fellows, daily discussions, distinguished speaker series, faculty symposia and interdisciplinary research projects.

Note: May be taken more than once for credit in different topics with permission of the program to a maximum of 6 units.

Prerequisites: 200A, 200B, and 301 or 302; or permission of the program.

RS 450 Units: 1.5 Hours: 3-0
Capstone Seminar

Graduating Major's research project consisting of readings and assignments based on what has been learned from the academic study of religion in the program and focused on the relationship of religion and society. Designed to develop as well as measure the student's integration of the various aspects of the discipline of Religious Studies.

Prerequisites: 200A, 200B, 301, 302, formal declaration of the RS Major, fourth-year standing; or permission of the program.

RS 490 Units: 1.5 Hours: 3-0
Directed Reading

Students wishing to pursue a course of directed readings should, together with a faculty member willing to supervise such a course, formulate a proposal describing both the content of the course and a suitable means of evaluating the student's work.

Note: May be taken more than once for credit in different topics with permission of the program to a maximum of 3 units applicable to the Major in Religious Studies.

Prerequisites: Permission of the program.

RUSS

Russian

Department of Germanic and Slavic Studies

Faculty of Humanities

Courses offered by the Department of Germanic and Slavic Studies are also found under the following course code: SLAV (Russian Studies).

RUSS 100A Units: 1.5 Hours: 3-0
Formerly: first half of 100
Beginners' Russian I

Introduction to the fundamentals of Russian grammar; basic reading, writing, and conversational skills. Includes practice in the Language Centre.

Note: Credit will be granted for only one of 100A, 100. No prior knowledge of Russian is required.

RUSS 100B Units: 1.5 Hours: 3-0
Formerly: second half of 100
Beginners' Russian II

Continuation of 100A. Development of basic reading, writing and conversational skills. Practice in the Language Centre will reinforce basic speech patterns and idioms.

Note: Credit will be granted for only one of 100B, 100.

Prerequisites: 100A or permission of the department.

RUSS 161 Units: 1.5 Hours: 3-0
The Culture of the Russian Revolution

An exploration of the literature, film and art produced by the revolution that shook the world. Introduction to Russia's rich contribution to modern world culture and an investigation of the experiments of the Russian avant-garde. Texts and films may include: Mayakovsky (et al), *A Slap in the Face of Public Taste*; Zamyatin, *We*; Eisenstein, *Battleship Potemkin*; Pudovkin, *The End of St. Petersburg*; and Malevich, *Suprematism*.

Note: No knowledge of Russian required.

RUSS 200A Units: 1.5 Hours: 3-0
Formerly: first half of 200
Intermediate Russian I

A continuation of 100A and 100B designed to complete the fundamentals of Russian grammar and develop basic skills to the intermediate level.

Note: Credit will be granted for only one of 200A, 200.

Prerequisites: 100A and 100B, or permission of the department.

RUSS 200B Units: 1.5 Hours: 3-0
Formerly: second half of 200
Intermediate Russian II

A continuation of 200A designed to develop basic reading, writing, and conversational skills to the intermediate level.

Note: Credit will be granted for only one of 200B, 200.

Prerequisites: 200A or permission of the department.

RUSS 203 Units: 1.5, formerly 3 Hours: 3-0
Conversational Russian

Oral practice in Russian, based on contemporary topics and selected popular texts.

Prerequisites: 100 or 100A or permission of the department.

RUSS 261 Units: 1.5 Hours: 3-0
Stalinism: Society and Culture (in English)

A survey of social processes and cultural life in the Soviet Union under Stalin (1922-1953). Combines a historical study of Stalinism with an introduction to the literature, films, and visual art of the period.

RUSS 300A Units: 1.5 Hours: 3-0
Formerly: first half of 302
Advanced Russian I

Designed to improve students mastery of the spoken and written language. The emphasis is on informal grammar review, conversation, reading, composition and comprehension.

Note: Credit will be granted for only one of 300A, 302.

Prerequisites: 200A and 200B or 203, or permission of the department.

RUSS 300B Units: 1.5 Hours: 3-0
Formerly: second half of 302
Advanced Russian II

A sequel to RUSS 300A, designed to improve students mastery of the spoken and written language. The emphasis is on informal grammar review, conversation, reading, composition, and comprehension.

Note: Credit will be granted for only one of 300B, 302.

Prerequisites: 300A or permission of the department.

RUSS 301A Units: 1.5 Hours: 3-0
Formerly: part of 301
Russian Cultural History I

A survey of Russian culture from the beginnings to 1917. Lectures will focus on major developments in literature, folklore, philosophy, religion, music, art and architecture, as seen against the background of Russia's historical past.

Note: Credit will be granted for only one of 301A, 301. No knowledge of Russian required.

RUSS 301B Units: 1.5 Hours: 1-10
Formerly: part of 301
Russian Cultural History II

A survey of Russian culture from 1917 to the present. Lectures will focus on major developments in literature, religion, music and art in an attempt to give students a cultural perspective for understanding the Bolshevik socialist experiment and Russia's post-communist transition.

Note: Credit will be granted for only one of 301B, 301. No knowledge of Russian required.

RUSS 303 Units: 1.5, formerly 3 Hours: 3-0
Advanced Russian Conversation and Practice I

Designed to improve students' mastery of the spoken and written language and to enhance reading skills based on major works of literature. Conducted mainly in Russian.

Note: Credit will be granted for only one of 303, 300B, 302.

Prerequisites: 200A and 200B or 203, or permission of the department.

RUSS 304A Units: 1.5 Hours: 3-0
Formerly: part of 304
Cinema in the Soviet and Post-Soviet Periods I

A survey of selected films including early cinema classics and subsequent productions that illustrate cultural movements and political changes leading to the major transition from Communist ideology to glasnost and perestroika in 1987.

Note: Credit will be granted for only one of 304A, 304. No knowledge of Russian required.

RUSS 304B Units: 1.5 Hours: 3-0
Formerly: part of 304
Cinema in the Soviet and Post-Soviet Periods II

With continuous reference to successive examples of pre-glasnost film-making from the early 1900s to the present time, a survey of films that have emerged from the post-1991 Commonwealth of Independent States.

Note: Credit will be granted for only one of 304B, 304. No knowledge of Russian required.

RUSS 308A Units: 1.5 Hours: 3-0
Formerly: part of 308
Russian Literature of the 19th Century: the Age of Ideas

A survey of Russian literature from its beginnings to 1917. This is a required course for Russian major students to be taken in their third or fourth year and in the same winter session as 308B.

Note: Credit will be granted for only one of 308A, 308. No knowledge of Russian required.

RUSS 308B Units: 1.5 Hours: 3-0
Formerly: part of 308
Russian Literature of the 20th Century: Art on Trial

A survey of Russian literature from 1917 to the present. This is a required course for Russian major students to be taken in their third or fourth year and in the same winter session as 308A.

Note: Credit will be granted for only one of 308B, 308. No knowledge of Russian required.

RUSS 310 Units: 1.5 Hours: 3-0
Formerly: part of 414
Tolstoy

The major works of Tolstoy will be studied against the background of his life and times.

Note: Credit will be granted for only one of 310, 412, 413, 414. No knowledge of Russian required.

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RUSS 311 Units: 1.5 Hours: 3-0
Formerly: **part of 412, 413, 414**
Dostoevsky

The major works of Dostoevsky will be studied against the background of his life and times.

Note: Credit will be granted for only one of 311, 412, 413, 414, SLAV 334 (if taken in the same topic). No knowledge of Russian required.

RUSS 312 Units: 1.5 Hours: 3-0
Chekhov

The major works of Chekhov will be studied against the background of his life and times.

Note: No knowledge of Russian required.

RUSS 315 Units: 1.5 Hours: 3-0
Sculpting in Time - The Cinematic Art of Andrei Tarkovsky

A critical analysis and appreciation of the seven films directed by Russian filmmaker Andrei Tarkovsky. Lectures and discussion will include: Tarkovsky's role in Russian film culture, background of Russian art and literature, poetic realism, time and memory, allegory and symbolism, and Tarkovsky's views on the responsibility of the artist. Films will be analyzed with regard to cultural, spiritual, philosophical and psychological considerations.

Note: Credit will be granted for only one of 315, 434 (if taken in the same topic). No knowledge of Russian required. May count towards a Minor in Film Studies.

RUSS 331 Units: 1.5 Hours: 3-0
Formerly: **250**
Nations and Cultures of the Former Soviet Union

A survey of imperial expansion and cultural life in the Russian Empire and the Soviet Union with a special emphasis on the national awakening among the non-Russian peoples. Includes discussion of post-Soviet ethnic conflicts and cultural transformations.

Note: Credit will be granted for only one of 331, 250. No knowledge of Russian required.

RUSS 360 Units: 1.5 Hours: 3-0
Russian Comedy on Stage and Screen

A survey of the Russian comedic tradition from early vaudeville to contemporary tragicomedy, satire, fantasy and burlesque. Texts and films may include works by Gogol, Chekhov, Ryazanov and Mamin.

Note: May count towards Minor in Film Studies. No knowledge of Russian required.

RUSS 400A Units: 1.5 Hours: 3-0
Formerly: **first half of 406**
Advanced Grammar and Stylistics I

An advanced course in the use of Russian, both written and spoken. Stresses written composition, stylistic analysis, and conversational fluency.

Note: Credit will be granted for only one of 400A, 406.

Prerequisites: 302, or 300A and 300B, or permission of the department.

RUSS 400B Units: 1.5 Hours: 3-0
Formerly: **second half of 406**
Advanced Grammar and Stylistics II

A continuation of 400A. An advanced course in the use of Russian, both written and spoken. Stresses written composition, stylistic analysis and conversational fluency.

Note: Credit will be granted for only one of 400B, 406.

Prerequisites: 400A or permission of the department.

RUSS 403 Units: 1.5 Hours: 3-0
Formerly: **427**
Advanced Russian Conversation and Practice II

A sequel to 303 conducted entirely in Russian, and designed to further the students command of idiomatic Russian and to enhance oral skills.

Note: Credit will be granted for only one of 403, 427.

Prerequisites: 302 or 300A and 300B, or permission of the department.

RUSS 416 Units: 1.5 Hours: 3-0
Stalinist Cinema

Focuses on the interaction of art, mass entertainment and socialist propaganda in the Stalinist film industry. Major films of the time will be analyzed against the background of contemporary political and social developments.

Note: May count towards a Minor in Film Studies. No knowledge of Russian required.

RUSS 421 Units: 1.5 Hours: 3-0
Seminar on St. Petersburg

Explores critical, literary and cinematic treatments of this legendary city of the tsars and cradle of the Russian Revolution.

Note: May be taken more than once for credit in different topics to a maximum of 3 units with permission of the department. No knowledge of Russian required.

RUSS 434 Units: 1.5 Hours: 3-0
Special Topics

A variable topics course designed to focus on a specific topic.

Note: May be taken more than once for credit in different topics to a maximum of 6 units.

RUSS 460 Units: 1.5 Hours: 3-0
Forbidden Books, Forbidden Film

A study of selected works of Russian literature and cinema which have been banned, censored and prohibited, from the Imperial to the Soviet period. Texts and films may include: Pushkin, *The Bronze Horseman*; Tolstoy, *The Kreutzer Sonata*; Chernyshevsky, *What is to be Done?*; Bulgakov, *The Master and Margarita*; Nabokov, *Lolita*; and Eisenstein, *Ivan the Terrible*.

Note: No knowledge of Russian required.

SCIE

Science

Faculty of Science

SCIE 190 Units: 1.5
Individual Study

Granted only by special permission of the Dean of Science, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

SCIE 290 Units: 1.5
Individual Study

Granted only by special permission of the Dean of Science, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

SCIE 390 Units: 1.5
Individual Study

Granted only by special permission of the Dean of Science, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

SENG

Software Engineering

Software Engineering

Faculty of Engineering

Courses offered by the Faculty of Engineering are also found under the following course codes: CENG (Computer Engineering), CSC (Computer Science), ELEC (Electrical Engineering), ENGR (Engineering) and MECH (Mechanical Engineering).

SENG 130 Units: 1.5 Hours: 3-1
Engineering Software Systems

Introduces students to the world of computing, communications, and different types of software systems, including information systems, database systems, operating systems, network-centric systems, Web-based systems and applications. Students will be exposed to fundamentals of software engineering design, ethics and problem-solving methods. Topics include network management, Web services, electronic commerce, security, privacy, markup and scripting languages, hypermedia and Web integration.

Prerequisites: CSC 110 or 111.

SENG 265 Units: 1.5 Hours: 3-1.5
Software Development Methods

Systematic methods for designing, coding, testing and documenting medium-sized programs. Tools and techniques to promote programming productivity and software quality. Topics include specifications, code review and inspection techniques, testing and debugging methods and tools, reusable software components and templates, file system navigation, scripting languages, software tools, environments, instrumenting and profiling, and the fundamentals of software configuration management.

Note: Credit will be granted for only one of 265, CSC 265.

Prerequisites: CSC 115 or 160.

SENG 271 Units: 1.5 Hours: 3-1
Software Model Engineering

An introduction to analysis and design of software architectures with UML (Unified Modelling Language) and their subsequent synthesis at the program level. Topics include use-case driven requirements analysis, analysis and design of static and dynamic view points of software architectures and model driven code engineering. Design patterns are introduced and applied as reusable solutions to recurring design problems. Students are familiarized with framework-based component reuse, event-driven programming and computer-aided software engineering (CASE) tools.

Note: Credit will be granted for only one of 271, 221.

Pre- or corequisites: 265.

SENG 310 Units: 1.5 Hours: 3-2
Human Computer Interaction

Understanding human behaviour as it applies to user interfaces: work activity analysis, observational techniques, questionnaire administration and unobtrusive measures. Operating parameters of the human cognitive system, task analysis and cognitive modelling techniques and their application to designing interfaces. Interface representation and prototyping tools. Cognitive walkthroughs, usability studies and verbal protocol analysis. Case studies of specific user interfaces.

Prerequisites: 221 or 265 or CSC 265 or CENG 241.

SENG 315 Units: 1.5 Hours: 3-1
Information and Knowledge Management

Uses the idea of information as a unifying theme to investigate a range of issues in software engineering,

including database systems, artificial intelligence, human-computer interaction, multimedia systems, and data communication.

Prerequisites: 265 or CENG 241.

SENG 321 Units: 1.5 Hours: 3-3
Requirements Engineering and Formal Specifications

Combines a range of topics integral to the analysis of requirements, design, implementation, and testing of a medium-scale software system with the practical experience of implementing such a project as a member of a software engineering team. Introduces requirements engineering, specifications, software life cycle models and formal methods for requirements engineering.

Prerequisites: 265 and MATH 222 or CENG 241 and CENG 245.

SENG 330 Units: 1.5 Hours: 3-0
Object-Oriented Software Development

Aspects of object-oriented analysis, design and development. Definition and comparison of object-oriented metrics. Overview of classical functional metrics and their effectiveness in measuring productivity for management or design quality of OO-systems. Verification methods for OO-software and how it differs from functional design testing. Maintenance and reuse issues.

Prerequisites: 265 or CSC 265 or CENG 241.

SENG 360 Units: 1.5 Hours: 3-2
Security Engineering

Topics include basic cryptography, security protocols, access control, multilevel security, physical and environmental security, network security, application security, e-services security, human aspects and business continuity planning. Discusses applications which need various combinations of confidentiality, availability, integrity and covertness properties; mechanisms to incorporate and test these properties in systems. Policy and legal issues are also covered.

Prerequisites: 265, CSC 360.

SENG 371 Units: 1.5 Hours: 3-2
Software Evolution

Introduces problems and solutions of long-term software maintenance/evolution and large-scale, long-lived software systems. Topics include software engineering techniques for programming-in-the-large, programming-in-the-many, legacy software systems, software architecture, software evolution, software maintenance, reverse engineering, program understanding, software visualization, advanced issues in object-oriented programming, design patterns, antipatterns, and client-server computing. Culminates in a team project.

Note: Credit will be granted for only one of 371, 420 or equivalent.

Prerequisites: 271 or 321.

SENG 380 Units: 1.5 Hours: 3-0
Software Process and Management

Software life cycle and software process models. Project estimating processes to determine who is going to do what, for how much, when and with what associated risks. Control and life-cycle management of correct, reliable, maintainable and cost effective software. Software documentation. Project management methods and tools. Software metrics (productivity and maturity). Configuration management. Planning for change. Managing expectations and contingencies.

Prerequisites: ENGR 280 and third-year standing in the Faculty or permission of the department.

SENG 401 Units: 1.5 Hours: 3-0
Social and Professional Issues

Introduces students to the social and professional issues arising in the context of Software Engineering. Topics include: the impact of software systems on privacy and handling of personal information; the roles of encryption and interception of communication; trust in computers; free speech and civil discourse through the Internet; intellectual property such as copyright and patents in the age of digital systems; computer crime; computers in the workplace; professional ethics and responsibilities; sustainable development and environmental stewardship.

Note: Credit will be granted for only one of 401, 400, ENGR 297.

Prerequisites: Fourth-year standing.

SENG 410 Units: 1.5 Hours: 3-0
Media Applications

The influence of technology, especially digital technology, on how we express ourselves, how we communicate with each other, and how we perceive, think about, and interact with our world. The invention and creative use of enabling technologies for understanding and expression by people and machines. Topics include: digital video representations; three-dimensional images; physical interfaces; computational tools and media that help people learn new things in new ways (tele-learning); knowledge representation; machine interpretation of sensory data.

Prerequisites: Fourth-year standing in the Faculty.

SENG 422 Units: 1.5 Hours: 3-3
Software Architecture

Architectural design of complex software systems. Techniques for designing, evaluating and implementing software system structures, models and formal notations for characterizing and reasoning about architectures, tools and generating specific instances of an architecture, and case studies of actual system architectures. Role of Standards. Students must complete a project that involves substantial software design. Students work in teams. Progress is determined through a preliminary design review; presentation; demonstration of the design; and final report.

Prerequisites: 271 or 330.

SENG 424 Units: 1.5 Hours: 3-0
Reliability Engineering

Interpretations of the concept of probability. Basic probability rules; random variables and distribution functions; functions of random variables. Applications to quality control and the reliability assessment of software and mechanical/electrical components, as well as simple structures and redundant systems. Uncertainty propagation in complex systems. Examples and applications.

Prerequisites: Fourth-year standing in the Faculty.

SENG 426 Units: 1.5 Hours: 3-2
Software Quality Engineering

Emphasizes software quality engineering as an integral facet of development, from requirements through delivery and maintenance. The students will learn how to choose appropriate quality goals and select, plan, and execute quality assurance activities throughout development and evolution to predictably meet quality and schedule goals. They will learn how quality assurance can be incorporated into process improvement feedback loops that amplify the ability of an organization to cost-effectively prevent and detect faults.

Prerequisites: 321 or 371.

SENG 435 Units: 1.5 Hours: 3-1
Computer-Supported Collaborative Work

Most of the work that people do requires some degree of coordination and communication with others.

Successful designs require: (1) social psychological insight into group processes; (2) computer science insight into mechanisms to organize information, coordinate, share, and communicate, and (3) HCI design insight to achieve successful designs for computer-mediated tools. Focuses primarily on the first two and examines problems and solutions in group coordination and systems including group decision support, organizational memory, virtual spaces, and collaborative design.

Prerequisites: 310.

SENG 440 Units: 1.5 Hours: 3-1
Embedded Systems

Characteristics and design of embedded systems. Formal models and specification languages for capturing system behaviour. Techniques for specification, exploration and refinement. System partitioning and hardware/software co-design. Tools for validation, verification, and simulation. Quality and performance metrics.

Prerequisites: CENG 355 or CSC 355.

SENG 450 Units: 1.5 Hours: 3-0
Network-centric Computing

Trends in conducting business electronically and currently available products to support electronic commerce. Electronic brokers; intelligent agents. Technologies necessary for electronic commerce to achieve its potential. Standards to improve the integration of desktop clients with centralized computing servers to allow better leverage of existing hardware/software, and to achieve reduction of user training costs. Backups, network security, network management, performance management and recovery.

Prerequisites: 271 or 330; CSC 360.

SENG 454 Units: 1.5 Hours: 3-1
Component-Based Software Engineering

Building large-scale and complex software systems from available parts by consistently increasing return on investment and time to market, while assuring high quality and reliability. Offers advanced topics on software components and component-based software engineering from research and practice.

Prerequisites: 371.

SENG 460 Units: 1.5 Hours: 3-0
Practice of Information Security

Aims to present a holistic view of various security engineering topics through practical case studies. Topics include enterprise security architecture, security threat and risk assessment, education and awareness, monitoring, investigation and forensics, application security, media handling and intellectual property, privacy, physical and environmental security, and business continuity planning. Also introduces information security-related certification and relevant professional associations.

Prerequisites: Fourth-year standing in the Faculty.

SENG 461 Units: 1.5 Hours: 3-1
Network Security

Surveys the challenges, principles and practice of modern network security. Topics covered include network security vulnerabilities and threats; network security risk analysis techniques and countermeasures; design and implementation of secure network architecture; intrusion detection and prevention models and technologies; firewall architectures and technologies; network security protocols; Virtual Private Networks (VPNs); principles, techniques and practice of network forensics.

Prerequisites: CSC 361 or CENG 460.

SENG 462 Units: 1.5 Hours: 3-0-1
Distributed Systems and the Internet

Basic concepts of distributed systems. Network architecture and Internet routing. Message passing layers

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and remote procedure calls. Process migration. Distributed file systems and cache coherence. Server design for reliability, availability, and scalability. Internet security and electronic commerce.

Note: Credit will be granted for only one of 462, CSC 462.

Prerequisites: 271 or 330, CSC 360 or CENG 460.

SENG 466 Units: 1.5 Hours: 3-1 Software for Embedded and Mechatronics Systems

Software engineering methods and techniques for systematic development and maintenance of embedded and mechatronic systems. Topics include requirements of software that drives mechatronic systems, specifications of mechatronics, real-time and reactive systems, validation, verification, simulation and testing of mechatronics software. Building product-line software architectures of mechatronic systems is also addressed.

Prerequisites: One of 265, 321 or 365.

SENG 470 Units: 1.5 Hours: 3-0 Management of Software Development

Non-functional requirements elicitation, configuration control, environments, product lines. Version control. Deployment. Time-to-market versus quality tradeoffs. Defect tracking.

Prerequisites: 265 or 365 or CSC 265.

SENG 472 Units: 1.5 Hours: 3-1 Software Process

Software process design, modelling, implementation, management, assessment and improvement as well as other non-process factors that affect software quality. ISO 9001, SEI's CMM. Group projects involving industry-relevant software process definition and assessment. Individual study of the research literature. ROI (Return on Investment) analysis.

Prerequisites: 265 or CSC 265.

SENG 474 Units: 1.5 Hours: 3-1 Data Mining

An introduction to data mining. Data preparation, model building, and data mining techniques such as clustering, decisions trees and neural networks will be discussed and applied to case studies. Data-mining software tools will be reviewed and compared.

Prerequisites: 265.

SENG 480 Units: 1.5 Hours: 3-0 Topics in Software Engineering

Topics depend primarily on the interests of the instructor. Entrance will be restricted to third- and fourth-year students who meet the prerequisites specified for the topic to be offered. Some topics may require laboratory work as well as lectures.

Note: Offered as SENG 480A, 480B, 480C, 480D. May be taken more than once for credit in different topics with permission of the department.

SENG 490 Units: 1.5 or 3.0 Directed Studies

Note: Students must consult their Program Department before registering. May be taken more than once for credit in different topics with permission of the department.

SENG 499 Units: 1.5 Hours: 1-9 Technical Project

The student is required to pursue an independent project under the supervision of a faculty member, to prepare a written report and present a seminar describing the work. Projects will normally focus on large software systems, and collaboration with an industrial sponsor is encouraged.

Prerequisites: Fourth-year standing in the Faculty.

SJS

Social Justice Studies Interdisciplinary Programs

SJS 100 Units: 1.5 Hours: 3-0 Introduction to Theories of Social Justice

An interdisciplinary, team-taught study focusing on the central theoretical frameworks utilized by scholars. Introduces key thinkers associated with social justice studies.

SJS 200 Units: 1.5 Hours: 3-0 Introduction to the Practice of Social Justice

An interdisciplinary, team-taught approach to the practice of social justice. Focuses on understanding the application of social justice concepts and theories to effect social and political change, including the social and political movements and processes that have been mobilized to address issues of social injustice.

SJS 400A Units: 1.5 Hours: 3-0 Seminar in Social Justice Studies

Interdisciplinary exploration of theories and methodological approaches that bear on key questions of social justice.

Prerequisites: 100, 200, fourth-year standing; or permission of the Program.

SJS 400B Units: 1.5 Hours: 1-5 Practicing Social Justice in the Field

Application of social justice theories to field-based practice through placement with an organization, community group, or service.

Note: Enrollment normally limited to students registered in the SJS Minor.

Prerequisites: 100, 200, permission of the Program.

SLAV

Slavic Studies Department of Germanic and Slavic Studies Faculty of Humanities

SLAV 334 Units: 1.5 or 3.0 Hours: 3-0 Topics in Cultural Development

Variable topics in cultural development, including cinema, linguistic and ethnographic traits, selected in accordance with student interest and the availability of an instructor.

Notes: - This course is given in English. No knowledge of a Slavic language required.

- May be taken twice in different topics to a maximum of 6 units. Open to all students.

SLAV 341 Units: 1.5 Hours: 3-0 Also: LING 341 Seminar in a Slavic Language

The history and structure of a Slavic language not offered otherwise in the department of Germanic and Russian Studies. Depending upon demand, a different language will be treated in each given year. Languages offered at present are: Polish and Ukrainian.

Note: Credit will be granted for only one of 341, LING 341. May be taken more than once for credit in different languages to a maximum of 3 units.

Prerequisites: A previous course in Linguistics or permission of the department.

SLAV 374 Units: 1.5 Hours: 3-0 Also: HIST 374 Imperial Russia, 1689-1917

A history of the Russian Empire from Peter the Great to the fall of the monarchy. Traces Russia's response to the challenge of the West, with special attention to

political reforms, social transformation, and cultural change. Includes discussion sessions that help students to form their own opinion on whether Late Imperial Russia was history's dead end or a promise cut short by revolutionary violence.

Note: Credit will be granted for only one of 374, HIST 374. Students are strongly advised to complete an introductory course in history before undertaking this advanced course. No knowledge of Russian required.

SLAV 376 Units: 1.5 Hours: 3-0 Also: HIST 376 The Soviet Union and its Successor States, 1917-2000

A history of the Soviet Union and its aftermath. Examines political, economic, social and cultural transformations that shaped the Soviet socialist experiment, as well as the causes of its collapse and the difficulties of post-communist transition in Russia and non-Russian republics. Through reports and discussions, emphasis is given to social history, gender, and everyday life.

Note: Credit will be granted for only one of 376, HIST 376.

SLAV 377 Units: 1.5 Hours: 3-0 Also: HIST 377 Modern Ukraine

A history of the Ukrainian people from the 17th-century Cossack uprising to the emergence of independent Ukraine in 1991. Emphasis on nation-building within multiethnic empires in Eastern Europe, the Russian Revolution of 1917, World War II, and the development of modern society.

Note: Credit will be granted for only one of 377, HIST 377.

SLAV 390 Units: 1.5 or 3.0 Directed Studies in a Slavic Language

May be offered as a reading or grammar course at any level, from introductory to advanced. The language may be Russian or another Slavic language. May also be offered as an introduction to teaching methodology in the Russian language.

Note: May be taken more than once for credit in a given language to a maximum of 6 units.

Prerequisites: Permission of the department.

SLAV 477 Units: 1.5 Hours: 3-0 Nikolai Gogol/Mykola Hohol

Gogol's life and times in the context of the Ukrainian and Russian cultural traditions complemented by the analysis of his literary works including *Evenings on a Farm near Dikanka*, *Taras Bulba*, *The Inspector General* and *Dead Souls*, as well as some film adaptations of the above.

Note: No knowledge of Russian or Ukrainian required.

SMGT

Service Management Faculty of Business

Courses offered by the Faculty of Business are also found under the following course codes: COM (Commerce), ENT (Entrepreneurship), IB (International Business), MBA (Master's of Business Administration).

SMGT 415 Units: 1.5 Hours: 3-0 Formerly: HSM 415 Service Marketing Management

Focuses on what it takes to successfully design and deliver a superior experience to customers. Among the topics covered are: service design, integrated marketing communication, customer loyalty and relationship management; managing customer participation, service pricing and understanding consumer decision making.

Note: Credit will be granted for only one of 415, HSM 415.

Prerequisites: Third-year Commerce core or permission of the Program Director.

Corequisites: 416, 417.

SMGT 416 Units: 1.5 Hours: 3-0
Formerly: HSM 416

Service Operations and Quality Management

Explores the key challenge in managing specific service processes and also considers quality management frameworks and principles. Topics to be examined are: defining and measuring service quality, quality economics and customer worth, designing and planning for service quality, QFD and the House of Quality, service capacity planning and waiting line management, service control and service quality improvement.

Note: Credit will be granted for only one of 416, HSM 416.

Prerequisites: Third-year Commerce core or permission of the Program Director.

Corequisites: 415, 417.

SMGT 417 Units: 1.5 Hours: 3-0
Formerly: HSM 417

Service Human Resource Management

In services companies, the interaction between the customer and the employee is both an opportunity and a challenge for management. An examination of the unique aspects of building an excellent human resource management system in hospitality and services. Topics include: the role of the servant leader, creating a service culture, attracting, developing and retaining high performers, reward systems in service organizations and designing systems to support service delivery.

Note: Credit will be granted for only one of 417, HSM 417.

Prerequisites: Third-year Commerce core or permission of the Program Director.

Corequisites: 415, 416.

SOCI

Sociology

Department of Sociology
Faculty of Social Sciences

Students may enrol in courses numbered 300 and above only if one of the criteria listed on the Program Requirements (page 219) has been satisfied.

SOCI 100A Units: 1.5 Hours: 3-0
Formerly: part of 100

Introduction to Sociology: Culture and Socialization

Introduces students to the discipline, beginning with an overview of sociological theory and methods. Substantive topics include culture, socialization, interaction in groups and organizations, deviance and crime, sexuality, and social stratification.

Note: Credit will be granted for only one of 100A, 100.

SOCI 100B Units: 1.5 Hours: 3-0
Formerly: part of 100

Introduction to Sociology: Institutions and Social Change

An overview of sociological theory and methods, followed by discussion of types of stratification, issues of race and ethnicity, economic and political institutions, families, religion, education, health and medicine, population, urbanization, the environment, and social change.

Note: Credit will be granted for only one of 100B, 100; normally students will take 100A first, but 100A and 100B may be taken in either order, or concurrently.

SOCI 103 Units: 1.5 Hours: 3-0

Formerly: half of 200

Canadian Society

The origins, development, and structure of Canadian society analyzed in terms of the new Canadian political economy. Examples of questions which may be addressed are: What kind of society exists in Canada? How did it come to acquire its unique features? What role has immigration played in Canada's development? What kinds of social inequality exist in Canada and why?

Note: Credit will be granted for only one of 103, 200.

SOCI 202 Units: 1.5 Hours: 3-0

Introduction to Social Problems

Theoretical perspectives and/or an empirical examination of specific issues such as crime, violence, drug use, surveillance, terrorism, homelessness and sex work.

Prerequisites: 100A or 100B, or second-year standing.

SOCI 210 Units: 1.5 Hours: 3-0

Formerly: 308

History of Sociological Theory

Survey of major sociological theories and theorists from approximately 1850 to 1960.

Note: Credit will be granted for only one of 210, 209, 300, 308.

Prerequisites: 100A or 100B.

SOCI 211 Units: 1.5 Hours: 3-0

Introduction to Sociological Research

Introduction to important concepts and strategies of social research, including conceptualization and measurement, research design, sampling, the collection and analysis of qualitative and quantitative data.

Notes: - Credit will be granted for only one of 211, 209, 375.

- Students with credit in both 375A and 375B may not receive credit for 211.

Prerequisites: 100A or 100B.

SOCI 215 Units: 1.5 Hours: 3-0

Introduction to Social Inequality

Introduction to major sociological research and theories on social inequality.

Prerequisites: 100A or 100B, or second-year standing.

SOCI 271 Units: 1.5 Hours: 3-1

Formerly: 371, 371A

Introduction to Statistical Analysis in Sociology

Descriptive statistics, probability distributions, statistical inference, including estimation and significance tests, and an introduction to bivariate analysis. Computer assisted analysis of sociological data.

Note: Credit will be granted for only one of 271, 371, 371A. (See Credit Limit, page 32).

SOCI 285 Units: 1.5 Hours: 3-0

Health over the Life Course

An introduction to the sociology of health from childhood to old age. A general survey of the area rather than an in-depth examination of any one aspect. Includes a variety of theoretical perspectives from micro, meso and macro approaches as well as topics such as the experience of being healthy and of having different illnesses; distributions of different diseases and conditions; health and illness beliefs and behaviours; structural influences on health and illness; inequalities in health and illness; the role of individual agency; self, informal and formal care; and health care policy, all using a life course lens.

SOCI 304 Units: 1.5, formerly 3 Hours: 3-0

The Individual and Society

An introduction to sociological perspectives on social psychology, emphasizing the importance of social structure in accounting for such topics as social cognition, the self, social interaction, and collective behaviour. Students will have the opportunity to experience directly, in a series of research exercises, the diverse research methods used by social psychologists.

SOCI 305A Units: 1.5 Hours: 3-0

Formerly: part of 305

Sociological Perspectives on Family Relationships

Exploration of theory and research on the dynamics of family relationships over family life-cycles. Topics include the formation of couple relationships; becoming a parent; parent-child relationships and their influence on children's social and emotional development; and the ways in which families respond to tensions and conflict within relationships, focusing on the effects of separation and divorce.

Note: Credit will be granted for only one of 305A, 305, 305A and 305B may be taken in either order.

SOCI 305B Units: 1.5 Hours: 3-0

Formerly: part of 305

Families and Social Change

Complements 305A by studying the relationship between 'the family' and society, looking at continuity and change in contemporary Canadian family forms in the context of other cultures and periods. Emphasizes how social, economic and demographic changes in Canadian society have reshaped family forms and practices over the past century; discusses current family trends and evaluates their social policy implications for the future.

Note: Credit will be granted for only one of 305B, 305, 305A and 305B may be taken in either order.

SOCI 306 Units: 1.5 Hours: 3-0

Formerly: part of 301

Deviance and Crime

Examines basic theories, evidence and social processes relating to the construction of deviance and crime.

Note: Credit will be granted for only one of 306, 301.

SOCI 307 Units: 1.5 Hours: 3-0

Formerly: part of 301

Regulation and Social Control

Examines law, mass media and the criminal justice system as institutions of regulation and social control.

Note: Credit will be granted for only one of 307, 301.

SOCI 309 Units: 1.5 Hours: 3-0

Modern Social Theory

Survey of substantive theoretical perspectives in sociology since mid-20th century, including the consolidation and contestation of multiple paradigms, their connections back to classical formulations, and the cultural and political currents with which they have been aligned.

Pre- or corequisites: 210 or 308.

SOCI 310 Units: 1.5 Hours: 3-0

Religion in Society

Selected theories and research on the relationship between religion and other areas of society. Topics may include: sects, cults and other religious organizations; religion and the social position of women; religion and political conflict; the issue of the rising or declining influence of religion in contemporary societies.

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SOCI 311 Units: 1.5 Hours: 3-0
Ideology and Society
 A discussion of the concept of ideology in various theoretical perspectives, such as Marxism, feminism, cultural studies, and postmodernism. Specific topics to be explored may include the role of ideology in the mass media, formal education, colonialism and post-colonialism, and everyday life.

SOCI 315 Units: 1.5, formerly 3 Hours: 3-0
Class, Status and Power
 An overview of theory and research in the area of social inequality. Focus is on the sources and consequences of the various forms of inequality (e.g., political, social, economic) found in present day societies.

SOCI 316 Units: 1.5 Hours: 3-0
Social Movements
 A study of social movements in the making of modernity and its ongoing transformations. Exploration of how movements arise and are maintained, of why certain kinds of movements emerge in specific contexts, and of what impact they have upon socio-political relations and cultural discourses, both globally and locally. Specific social movements such as feminism, ecology, gay and lesbian liberation, Aboriginal activism, the peace movement, labour, socialism, and religious fundamentalism will be examined.

SOCI 321 Units: 1.5 Hours: 3-0
Sociology of Work and Occupations
 Explores central concepts in the sociology of work and occupations, followed by a historical overview of work in human societies, methods of training people for work, and the sociological study of the world of work. Also examines current employment patterns and trends, the nature of labour markets and jobs, the gendered arrangements of paid and unpaid work, the organization and management of work, the conditions of unions and industrial relations in Canada and elsewhere, and the more personal context of work.

SOCI 322 Units: 1.5 Hours: 3-0
 Formerly: part of 323 and 325
Sociology of Groups and Organizations
 An overview of theories and research on groups and organizations from the discipline of sociology. Includes a survey of the classic studies on small groups and formal organizations, as well as discussion of ongoing issues in methodology and theory.
Note: Credit will be granted for only one of 322, 323, 325.

SOCI 326 Units: 1.5 Hours: 3-0
Social Networks
 The major models, methods, and findings of network analysis. The following areas may be discussed: friendship, social influence and status, small groups, communication and diffusion of information, corporate and community organization, social and economic mobility, and computer analysis of network data.
Prerequisites: 211.

SOCI 328 Units: 1.5 Hours: 3-0
Issues in the Sociology of Equity and Diversity
 Studies of theory, research, and policy issues in equity and diversity.

SOCI 331 Units: 1.5 Hours: 3-0
 Formerly: half of 330
Political Sociology
 Study of the social bases (e.g., region, class, religion, ethnicity, language, culture) of political behaviour.
Note: Credit will be granted for only one of 331, 330.

SOCI 332 Units: 1.5 Hours: 3-0
 Formerly: half of 330
Elites and Society
 Study of institutional elites (e.g., business, labour, state, media, church, educational, military) and their roles in society.
Note: Credit will be granted for only one of 332, 330.

SOCI 335 Units: 1.5 Hours: 3-0
Racialization and Ethnicity
 Using mainly Canadian examples, examines theories and research on racialization, racism, and ethnic identities with special emphasis on their relationship to social inequalities.

SOCI 343 Units: 1.5 Hours: 3-0
Population Dynamics
 An introduction to demography, the scientific study of human populations. The core demographic variables - marriage, fertility, mortality, migration, population growth and age structure. Emphasis on interrelations among these variables, and on their social/behavioural causes. Practical exercises in demographic calculation using spreadsheets, including elementary population forecasting.
Note: Credit will be granted for only one of 343, 340.

SOCI 345 Units: 1.5 Hours: 3-0
Sociology of Mental Health
 Topics may include: theoretical foundations of the sociology of mental health; the social conditions that influence mental well-being; the experience and social meaning of mental illness and its treatment; the social construction of mental disorders; and the processes of institutionalization and deinstitutionalization.
Note: Students are encouraged to take 285 before registering in this course.

SOCI 355 Units: 1.5 Hours: 3-0
The Corporation and Society
 The corporation as a basic institution in modern Western societies; its development in Canada and elsewhere; its impact on other institutions, including the family, education, the state and social class.

SOCI 365 Units: 1.5 Hours: 3-0
Sociology of Leisure
 Conceptual problems in the identification of leisure. The production, consumption and distribution of leisure. The emergence of leisure defined lifestyles. The study of selected leisure activities.

SOCI 373 Units: 1.5 Hours: 3-0
Critical Research Strategies
 Survey of strategies and techniques for conducting social research in the context of social justice initiatives. Approaches examined may include action research and participatory research, institutional ethnography, feminist research, genealogy, discourse analytic research, critical media studies, and applied research in various socio-political settings.
Prerequisites: 211 or permission of the department.

SOCI 374 Units: 1.5 Hours: 3-0
 Formerly: half of 375, 375A
Qualitative Research Methods
 Strategies of qualitative research design. Possible topics include: indepth interviews, narrative analysis, field work, evaluation, historical research, and textual analysis.
Note: Credit will be granted for only one of 374, 375, 375A.
Prerequisites: 211.

SOCI 376 Units: 1.5 Hours: 3-1
 Formerly: half of 375, 375B
Quantitative Research Methods
 Strategies of quantitative research design. Possible topics include: experimental designs, survey research, questionnaire construction and secondary data analysis.
Note: Credit will be granted for only one of 376, 375, 375B.
Prerequisites: 211, 271.

SOCI 381 Units: 1.5 Hours: 3-0
Sociology of Gender
 An examination of the social import of gender in contemporary society. Includes evaluation of evidence of biological, psychological and social differences and similarities between males and females; definitions of masculinity and femininity, and androgyny; gender power and socialization; implications of gender for achievements in education, income, and occupations; consideration of relevant sociological theory; and analysis of consequences of social changes affecting gender.

SOCI 382 Units: 1.5 Hours: 3-0
Human Sexuality
 An examination of theories and practices of human sexual variance. Some varieties of sexuality studied may include heterosexuality, homosexuality, bisexuality, transgendered and transsexed sexuality. Theories to be explored may include aetiologies of sexual behaviours and interplay of genders with sexualities.
Note: Students are strongly recommended to take 381 before registering in this course.

SOCI 385 Units: 1.5 Hours: 3-0
Sociology of Aging
 An overview of the sociology of aging, including theoretical perspectives, methodological challenges, and substantive topic areas such as the gendered nature of aging, cultural comparisons, families and intergenerational relations, and health and healthcare.

SOCI 390 Units: 1.5 Hours: 3-0
Selected Problems in Sociology
 Presentation of current interests of various faculty members.
Note: Students interested in this course should inquire at registration when the course is to be offered and what the substantive presentation will involve. Students may enrol in this course in different areas for a maximum of 3 units.

SOCI 401 Units: 1.5 Hours: 3-0
Sociology of Law
 The interrelationships of law and other social institutions, socio-economic origins and class interests of legal functionaries, and law as social conflict are analyzed in Canadian and cross-cultural contexts.

SOCI 402 Units: 1.5 Hours: 3-0
 Formerly: part of 300
Current Issues in Sociological Theory
 Detailed study of particular recent developments or ongoing issues in sociological theory. Topics may vary from year to year to include particular theoretical orientations or issues in the discipline.
Notes: - Credit will be granted for only one of 402, 300.
 - Students should consult with the department well in advance of registration to determine specific content.
Pre- or corequisites: 210 or 308.

SOCI 404 Units: 1.5 Hours: 3-0
The Individual in a Social World
 Current issues in sociological social psychology, involving detailed study of theories, methods, and findings on such topics as justice and social behaviour,

class consciousness, social dilemmas, and emotion. Topics may vary from year to year; students should consult the instructor or departmental handbook about the content of the course.

Notes: - May not be repeated for credit.

- Students are strongly encouraged to take 304 before registering in this course.

SOCI 412 Units: 1.5 Hours: 3-0
Formerly: part of 300, 302
Sociological Explanations

Nature of explanations in sociological theory, combining an evaluation of different conceptions of the nature of science with an examination of important sociological theorists and frameworks.

Note: Credit will be granted for only one of 412, 300, 302.

Pre- or corequisites: 210 or 308.

SOCI 418 Units: 1.5 Hours: 3-0
Social Change

An inquiry into the social structures, cultural practices, and political economic transitions associated with social change, emphasizing ethical-political underpinnings and implications. Topics may include reform and revolution, globalization "from above" and "from below", and changing conceptions of social justice, community and identity.

SOCI 419 Units: 1.5 Hours: 3-0
Formerly: Also ANTH 419
Modernization and Development

An examination of selected theories and research on development, underdevelopment, and dependence in the modern world; examples will be taken from various parts of the world, including Canada.

Note: Not open to students with credit in ANTH 419 prior to the 2005-6 Winter Session.

SOCI 443 Units: 1.5 Hours: 3-0
Formerly: 342; 340
Population Problems and Policies

A review of contemporary population trends, their effects on human well-being, and social policy responses. Topics include: population growth, sustainable development, and the environment; population aging; marriage, cohabitation and divorce; new reproductive technology; population and gender; immigration; urbanization and human crowding.

Note: Credit will be granted for only one of 443, 340, 342.

SOCI 445 Units: 1.5 Hours: 3-0
Sociology of Health and Illness

Seminar focusing on the complex relationships between social factors, (including social class, gender, ethnicity, and age) and the level of health found among different social groups. Topics may include: the origins of scientific medicine; the distribution of disease and health conditions in Canadian and other societies; the role of physicians and other health care providers; and issues shaping the future of the Canadian health care system.

Note: It is strongly recommended that students take 285 before registering in this course.

SOCI 450 Units: 1.5 Hours: 3-0
Sociology and Social Justice

An examination of sociology's relationship with social control, social reform and social activism, beginning with Comte and including various strands of critical and applied sociology. Much of the course focuses on recent developments and debates on sociology and social policy, sociology and social movements, and "public sociology." Serves as a capstone for students pursuing the Social Justice and Social Change concentration, enabling them to integrate lessons they have learned from previous work.

SOCI 465 Units: 1.5 Hours: 3-0
Environmental Sociology

Exploration of how social relationships structure human interaction with the natural environment. May include the following: race, class and gender in environmental analysis; assumptions and interests located in current conceptualizations of environmental issues and solutions; institutional and non-institutional agency in environmental problems and responses.

SOCI 471 Units: 1.5 Hours: 3-1
Formerly: 371B; 372
Multivariate Statistical Analysis

An introduction to multivariate relationships, including multiple regression and correlation, analysis of variance and covariance and other topics of the general linear model. Computer-assisted analysis of sociological data.

Note: Credit will be granted for only one of 471, 371B, 372. Course restricted to students in a sociology program or Leisure Service Administration. If space permits, other students may be permitted to register.

Prerequisites: 271 or 371A.

SOCI 481 Units: 1.5 Hours: 3-0
Feminist Theory

Introduction to historical and contemporary trends in feminist theory which traces the development of individual theoretical perspectives and explores the ways in which these trends overlap and interact.

Prerequisites: 210 or 308 or WS 301.

SOCI 488 Units: 1.5 Hours: 3-0
Sociology of Death and Dying

Sociological approaches to death and dying. Topics may include: demographic patterns of mortality; various definitions of death; dying in institutional and familial contexts; funerals and memorials; grief and mourning; legal, economic, and political aspects of death; euthanasia and suicide; murder, terrorism, war and disasters.

Note: Students are strongly encouraged to take 385 before registering in this course.

SOCI 490 Units: 1.0-3.0
Directed Studies

This course may be submitted for an elective course in Sociology in the fourth year of the Honours Program with permission of the department.

SOCI 499 Units: 3.0
Honours Seminar and Graduating Essay

Honours students are permitted to audit this seminar in the third year and are required to take the seminar for credit in the fourth year.

SOCW

Social Work

School of Social Work

Faculty of Human and Social Development

All 300- and 400-level Social Work courses are only open to Social Work students unless otherwise noted in the course description. When a course is oversubscribed, preference will be given to Social Work students who are closest to graduation. Contact the School of Social Work or refer to current timetable for course offerings.

SOCW 200A Units: 1.5 Hours: 3-0
An Introduction to Social Work Practice

An introduction to the practice of social work beginning with a critical examination of the ethics, values and historical development of the profession. Students will become familiar with several critical social theories that inform anti-oppressive social work practice.

tice. The relationship between private troubles and public issues as well as the concepts of power, oppression, privilege, identity and social justice will be explored. Emphasis on self reflection which will assist students in examining their identities and their interest, motivation and capacity for social work practice.

SOCW 200B Units: 1.5 Hours: 3-0
Introduction to the Critical Analysis of Social Welfare in Canada

A critical introduction to the study of Canadian social welfare policy. The objectives and context of social welfare are presented and examined using different ideologies and discourses. Particular consideration is given to the problem of poverty and to how policy affects Indigenous and other oppressed marginalized groups.

SOCW 304 Units: 3.0
Social Work Practicum I

In the first BSW practicum (315 hours) students: practice social work under supervision in an agency setting; apply, integrate and translate theories into practice; and experience the economic, political and policy constraints on practice.

Notes: - Credit will be granted for only one of 304, 304A.

- There is a required concurrent Online Integrative Practice Seminar included in this practicum.

Prerequisites: 323, or 311 and 312.

Grading: INP, COM, N, F.

SOCW 304A Units: 3.0
Social Work Practicum by Prior Learning Assessment (PLA)

Students with significant work or volunteer experience in social work may complete the first BSW practicum by Prior Learning Assessment. Students will present evidence of their prior learning and practice experience in the form of a portfolio which specifically demonstrates their anti-oppressive practice and their acquisition of the skills and knowledge required in 304.

Note: Credit will be granted for only one of 304A, 304.

Prerequisites: 323, or 311 and 312.

Grading: INP, COM, N, F.

SOCW 311 Units: 1.5
Formerly: part of 323
Understanding Oppression

An examination of key concepts such as 'whiteness', 'oppression', 'marginalization', 'difference', 'rank' and 'power' that animate the practice of social work within a difference-centred, social justice framework. Critical theoretical and conceptual insights offered within various frameworks such as Indigenous, feminist, anti-racist, queer, and postmodern theories will be undertaken in order to arrive at a nuanced understanding of critical social work.

Note: Credit will be granted for only one of 311, 323.

SOCW 312 Units: 1.5
Formerly: part of 323
Collaborative Conversations: Working within Communities

Focuses on developing social work practice skills with individuals and communities in ways that are both difference-centred and collaborative in nature. Students will critically analyze and develop their own individual practice skills in various community contexts, within a social justice framework. Examples of these include social service agencies and their clientele, the classroom, and grass roots organizations. Students will examine ways to further anti-oppressive skills that are effective, participatory and collaborative.

Notes: - Credit will be granted for only one of 312, 323.

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- On-campus component required.

Pre- or corequisites: 311.

SOCW 319 Units: 1.5 **Formerly: part of 318** **Research for Social Change**

An introduction to research as social justice work. Students will learn about a range of qualitative and quantitative methodologies, with an emphasis on Indigenous, critical and anti-oppressive approaches. Students will be engaged in critically analyzing what counts as knowledge, developing alternative ways of understanding social issues, redefining the relationship between researchers and participants, and developing skills in data collection, data analysis and proposal writing.

Note: Credit will be granted for only one of 319, 318.

Pre- or corequisites: 323, or 311 and 312.

SOCW 350A Units: 1.5 Hours: 1.5-1.5 **Law and Social Services**

Provides theories and multiple critical perspectives on law, the legal system and the legal processes that impact on professional practice. Students will critically examine and self-reflect on the interplay between marginalization and structural inequalities and law. Specific areas of law examined may include child welfare, mental health, young offenders and income assistance.

Note: Credit will be granted for only one of 350A, 350, CYC 350A. Open to third- and fourth-year HSD students with permission of the department. Enrolment may be limited.

SOCW 350B Units: 1.5 Hours: 3-0 **Legal Skills for Social Workers**

A skill-based course focusing on the development of legal skills in an anti-oppressive framework. Emphasis is given to a critical analysis of the skills necessary to practice in statutory settings such as child welfare, and may include dispute resolution, advocacy, mediation, investigation, evidence-giving and report writing.

Note: Credit will be granted for only one of 350B, 350, CYC 350B. Open to third- and fourth-year HSD students with permission of the department. Enrolment may be limited.

Prerequisites: 350A or CYC 350A.

SOCW 354 Units: 1.5 Hours: 3-0 **An Introduction to Indigenous Issues and Human Services**

Critically examines the historical process of colonization in Canada, the resulting barriers embedded in policy and practice, and alternative ways of viewing the social-psychological position of Indigenous people in Canadian Society. Contemporary issues and the movement toward self-determination will be discussed in relation to social work theory and practice.

Note: Credit will be granted for only one of 354, 454.

Pre- or corequisites: 323, or 311 and 312.

SOCW 356 Units: 1.5 **Human Development and the Social Environment within a Global Context**

An overview of human development within a global context with a focus on social justice and diversity related to gender, race, class, ethnicity, culture, sexual orientation, and disability. In particular, focuses on the impact of the cultural, global, spiritual and natural worlds people inhabit on understanding lifespan development with the implications of this understanding for social work practice.

Note: This course meets the Child Welfare Specialization requirements.

Pre- or corequisites: 200A and 200B or permission of the department.

SOCW 390 Units: 1.5 or 3.0 **Directed Studies**

Students must consult with the Director prior to registration. The intent is to allow students the opportunity to concentrate in a particular field of social welfare such as corrections, gerontology or mental health.

SOCW 391 Units: 1.5 Hours: 3-0 **Indigenous Approaches to Healing and Helping**

Through direct interaction with Indigenous elders, political leaders and human service workers, students will explore traditional and contemporary approaches used by Indigenous peoples to help and heal in their communities. Students will be challenged to integrate these approaches into their own lives and social work practices.

Note: Limited to Indigenous students of North America or with permission of the department.

Pre- or corequisites: 323, or 311 and 312.

SOCW 400 Units: 1.5 **Introduction to Social Work in the Health Care Sector**

Examines the knowledge and skills required for social workers to be effective advocates while carrying out a range of responsibilities in the health sector within the context of a practice framework that focuses on the social determinants of health. The challenges and opportunities provided by the cultural and organizational contexts of practice in health care will be an important focus while examining the inter-professional nature of practice. Particular aspects of practice such as appropriate documentation, informed consent and community development will be included.

Prerequisites: 323, or 311 and 312.

SOCW 402 Units: 4.5 **Social Work Practicum II**

In the second BSW practicum (420 hours) students have a further opportunity to develop, refine and apply generalist practice knowledge, skills, values and ethics under supervision in an agency setting. Generalist practice can include individual family, group and community work, organizational development and policy change.

Notes: - Credit will be granted for only one of 402, 404, 404A.

- There is a required concurrent Online Integrative Practice Seminar included in this practicum.

- Students admitted to the program before 1996 have the option to register in a 6 unit section of this course.

Prerequisites: 323, or 311 and 312; 301 or 318 or 319; 304 or 304A.

Pre- or corequisites: One of 354 or 350A or 413 can be taken as a corequisite.

Grading: INP, COM, N, F.

SOCW 404 Units: 4.5 **Child Welfare Specialization: Child Protection Practicum**

In this second BSW practicum (420 hours), students will have further opportunity to develop, refine and apply generalist practice knowledge, skills, values and ethics. Under supervision in a mandated child protection setting (BC Ministry of Children and Family Development; Indigenous child welfare agency; an approved government agency in another province or country), students will apply child welfare law and policy to direct practice in child protection investigation, interviewing, assessment and court procedures; guardianship and care plans; and various aspects of case management.

Notes: - Credit will be granted for only one of 404, 404A, 402. There is a required concurrent Online Integrative Practice Seminar included in this practicum.

- BC students may be required to complete a Ministry of Children and Family Development or Indigenous Delegated Authority Partial Delegation Exam prior to or during their practicum placement. Non-BC students may be required to meet the requirements applicable in other jurisdictions.

- Students must contact the School of Social Work at least one term in advance of registration for their practicum placement, in order to meet Ministry guidelines. Exceptions may be granted with permission of the department.

Prerequisites: 301 or 318 or 319; 323, or 311 and 312; 304 or 304A; 350A, 350B, 354, 356, 471 (or HSD 462 - formerly SOCW 479), 475; 469 or HSD 464.

For Indigenous Child Welfare placements: SOCW 301 or 318 or 319; 323, or 311 and 312; 304 or 304A; 350A, 350B, 354, 356, 391, 491, 492.

Pre- or corequisites: 323 or 413; 451 and 476.

For Indigenous Child Welfare placements: 323 or 413; 451.

Grading: INP, COM, N, F.

SOCW 404A Units: 4.5 **Child Welfare Specialization: Child Welfare Practicum**

In this second BSW practicum (420 hours), students have a further opportunity to develop, refine and apply generalist practice knowledge, skills, values and ethics while working under supervision in a child and/or youth and/or family serving agency with those who are affected by child welfare law, policy and practice.

Notes: - Credit will be granted for only one of 404A, 404, 402.

- There is a required concurrent Online Integrative Practice Seminar included in this practicum.

Prerequisites: 301 or 318 or 319; 323, or 311 and 312; 304 or 304A; 350A, 350B, 354, 356, 471 (or HSD 462 - formerly SOCW 479), 475; 469 or HSD 464.

For Indigenous Child Welfare placements: SOCW 301 or 318 or 319; 323, or 311 and 312; 304 or 304A; 350A, 350B, 354, 356, 391, 491, 492.

Pre- or corequisites: 323 or 413, 451, 476.

For Indigenous Child Welfare placements: 323 or 413, 451.

Grading: INP, COM, N, F.

SOCW 413 Units: 1.5 **Critical Social Work Practices**

Instruction on how to apply particular practice approaches, including narrative, solution-oriented, and embodied practice, which are considered to be examples of critical social work in action with individuals, groups, children and families, and communities. Provides students with an opportunity to critically analyze the limitations and strengths of these practices when working with issues of marginalization and difference. The assumptions of professionalism and the wider context within which these particular types of interventions are practiced will also be interrogated.

Prerequisites: 323, or 311 and 312.

SOCW 433 Units: 1.5 **Working with Trauma**

An examination of current theories and practices regarding the neurobiological, psychophysical and socio-cultural components of trauma. Five dimensions of trauma experience will be explored: shock, developmental, accumulated stress, energetic and socially and culturally-produced traumatic stress. Emphasis will be placed on concrete skills and strategies that have applicability to a wide variety of contexts. As well, students will explore how to reduce the prevalence of secondary traumatization on themselves, colleagues, agencies and communities.

Note: Credit will be granted for only one of 433, 460 (if taken in the same topic).

Pre- or corequisites: 323, or 311 and 312.

SOCW 435 Units: 1.5 Hours: 3-0
Critical Perspectives in Mental Health Practice

An examination of the concepts of mental health and mental illness from a critical perspective. Provides an overview of key areas in knowledge and theory, as well as practical information about how to work within various service contexts. Particular attention is given to the historical, socio-cultural, and political connections to mental illness and addictions—and this information is presented in a way that reflects a diversity of paradigms and standpoints.

Prerequisites: 323, or 311 and 312.

SOCW 451 Units: 1.5 Hours: 3-0
Indigenous Policy Issues in Social Work

Builds on the structural theories and perspectives of social work practice introduced in 354. Focuses on in-depth exploration and critical analysis of past and present policies of Canadian governments that affect the lives of Indigenous peoples. Contemporary responses and initiatives of Indigenous peoples through their own policies and practices will also be discussed.

Prerequisites: 354.

SOCW 452 Units: 1.5 Hours: 3-0
Teaching and Learning for Social Change

What does it mean to think of social workers as educators for social justice? Students will develop a conceptual and experiential understanding of education, teaching and learning. Knowledge and power will be explored from multiple perspectives, including critical, Indigenous, and anti-oppressive perspectives. Opportunities for hands-on application will be an integral part of the course.

SOCW 460 Units: 1.5 or 3.0 Hours: 3-0
Special Topics in Social Work and Social Welfare

Special issues in social welfare and approaches to social work practice.

Notes: - Restricted to students in the third- or fourth-year of study. May be taken more than once for credit to a maximum of 3 units.

- Offered as resources permit.

SOCW 465 Units: 1.5 Hours: 3-0
Interdisciplinary Practice with Children and Families

Opportunities for applying the skills, knowledge and beliefs essential for effective interdisciplinary practice with children and families. Explores the rationale for and a critical analysis of interdisciplinary practice. The contributions of different disciplines to addressing issues in child and family work will be featured.

Note: Credit will be granted for only one of 465, HSD 465.

SOCW 469 Units: 1.5 Hours: 3-0
Introduction to Disability Studies

A critical analysis of theory, policy and practice in the area of disability, focusing on issues affecting children, youth and adults with disabilities. Examination of current issues in human rights, ethics and attitudes toward disability, highlighting the skills and knowledge required for anti-ableist practice. Examination of approaches to the planning and delivery of services, emphasizing those that facilitate consumer choice and decision making.

Note: Credit will be granted for only one of 469, HSD 464.

SOCW 471 Units: 1.5 Hours: 3-0
Additions in Society: Theory, Practice and Policy

Critically examines the theoretical perspectives on practice, programs, and policy in the field of addictions. Addition and recovery will be examined as transactional processes that take place within larger socio-cultural contexts. Places particular emphasis on the historical, social, geographic, and political contexts of addictions among women, youth, seniors, Indigenous peoples, and members of other marginalized social groups. Examines issues in the regulation and control of substances and relevant trends in policy and program development. Students are expected to use critical reflection to articulate their own perspectives on addiction.

Note: Credit will be granted for only one of 471, 479.

SOCW 472 Units: 1.5 Hours: 3-0
Social Work Practice in the Field of Addictions

Critically examines current practice models in the addictions field. Differing models of change including peer helping, harm reduction, Indigenous approaches to healing, and inclusive approaches to assessment, prevention and intervention will be studied. Attention will be paid to assessment and intervention across the lifespan and with populations who are subject to marginalization and discrimination. Practice strategies for working effectively with individuals who are coping with concurrent conditions will also be explored. Students will be asked to critically examine their own personal and professional preparation for addressing addiction issues in their chosen field of practice.

Prerequisites: 471.

SOCW 474 Units: 1.5 Hours: 3-0
An Introduction to Community Work

An examination of the transformative work possible in communities. Students' personal experiences of social connection and working with others will be located and challenged through theoretical and critical analysis from a 'community perspective'. Key tools and skills for building just, healthy, sustainable communities will be presented. Students will be able to choose specific stories (for example Indigenous, child and family) for in-depth study and reflection.

Prerequisites: 323, or 311 and 312, or permission of the department.

SOCW 475 Units: 1.5 Hours: 3-0
Child Welfare Practice

An opportunity to explore all aspects of child welfare practice with a particular focus on balancing the issues of power and authority with helping approaches, identifying and resolving ethical dilemmas, and developing community based approaches to serving families and children. Students will explore their own conceptual and philosophical orientation to child welfare practice.

Prerequisites: 323, or 311 and 312.

Pre- or corequisites: 323 or 413.

SOCW 476 Units: 1.5 Hours: 3-0
Family and Child Welfare Policy

Critiques of family and child welfare policy and practice such as the feminist and Indigenous perspectives are challenging the social work profession. Provides an opportunity to critically examine assumptions in family and child welfare policy including notions of family, substitute care, conceptions about violence and neglect, how family and child welfare policy is developed and administered, and the political role of social work.

Prerequisites: 323, or 311 and 312.

Pre- or corequisites: 323 or 413.

SOCW 477 Units: 1.5 Hours: 3-0
Developing Skills and Knowledge in Family Practice

Explores interdisciplinary theoretical perspectives and practice approaches that are relevant for working with the contemporary family in all its forms. Collaborative approaches to helping work, grounded in theories of anti-oppression, provide the base from which students will begin to develop their own family practice skills and integrate theory and practice through discussion and experiential exercises.

Prerequisites: 323, or 311 and 312.

SOCW 490 Units: 1.5 or 3.0
Directed Studies

Students must consult with the Director prior to registration. The intent is to allow students the opportunity to concentrate in a particular field of social welfare such as corrections, gerontology or mental health.

SOCW 491 Units: 1.5 Hours: 3-0
Integration of Indigenous Approaches to Healing and Helping

Students will continue to explore traditional and contemporary approaches to helping and healing in their communities that they began in 391. Indigenous elders, political leaders and human service workers will again play a central role in this course. Students will also be challenged to critically and holistically integrate these approaches into an examination, articulation and development of their own ethical perspectives.

Note: Limited to Indigenous students of North America or with permission of the department.

Prerequisites: 391.

SOCW 492 Units: 1.5 Hours: 3-0
Protecting Indigenous Children

An opportunity to explore the unique policy and practice considerations to providing child and family services in Indigenous communities in British Columbia. Students will be challenged to synthesize the demands of provincial child welfare legislation with emerging Indigenous practices and policies in a way that protects the identity, cultures, and social structure of Indigenous children and families.

Note: Limited to Indigenous students of North America or with permission of the department.

Prerequisites: 391.

SPAN

Spanish

Department of Hispanic and Italian Studies

Faculty of Humanities

Native speakers of Spanish may not obtain credit for 100- or 200- level courses. A native speaker is defined in this context as a person who has spoken Spanish since childhood and/or has received sufficient instruction in the language to be literate in it. The department will assign students with previous knowledge to the appropriate level.

SPAN 100A Units: 1.5 Hours: 3-1
Formerly: first half of 100
Beginners' Spanish I

Focuses on the acquisition of basic skills of pronunciation, reading, writing and conversation. Includes instruction in essential points of grammar, basic syntax, and vocabulary for daily interaction.

Note: Credit will be granted for only one of 100A, 100, 149. Not open to students with credit in Spanish 12. Priority will be given to first- or second-year students.

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SPAN 100B Units: 1.5 Hours: 3-0-1
Formerly: **second half of 100**
Beginners' Spanish II
A continuation of 100A. Emphasis on the acquisition of basic skills. Vocabulary and grammatical concepts will be expanded.

Note: Credit will be granted for only one of 100B, 100, 149. Not open to students with credit in Spanish 12.

Prerequisites: 100A or permission of the department.

SPAN 149 Units: 3.0 Hours: 6-2
Beginners' Spanish
Intensive Spanish language instruction for beginning language students. Equivalent to 100A/B.

Note: Credit will be granted for only one of 149, 100, 100A, 100B. Not open to students with credit in Spanish 12.

SPAN 185 Units: 1.5 Hours: 3-0
Film in the Hispanic World (in English)
An introductory study of Spanish and Latin American film and its relationship to social and historical contexts.

SPAN 208A Units: 1.5 Hours: 3-0
Formerly: **306**
Spanish Culture (in English)
An overview of the culture of Spain. Consideration of the artistic, literary, intellectual, social and political trends in Spain from pre-Roman times to the present.

Note: Credit will be granted for only one of 208A, 306.

SPAN 208B Units: 1.5 Hours: 3-0
Formerly: **307**
Latin American Culture (in English)
An overview of the cultures of Spanish America and Brazil. Consideration of the artistic, literary, intellectual, social and political trends in Latin America from pre-Columbian times to the present.

Note: Credit will be granted for only one of 208B, 307. Not open to students with credit in 280.

SPAN 249 Units: 3.0 Hours: 6-2
Review of Grammar and Conversation
Intensive Spanish language instruction for intermediate language students. Equivalent to 250A/B.

Note: Credit will be granted for only one of 249, 250, 250A, 250B.

Prerequisites: 100B or 149 or Spanish 12; or permission of the department.

SPAN 250A Units: 1.5 Hours: 3-0-1
Formerly: **first half of 250**
Review of Grammar and Conversation I

Intensive review of grammatical concepts and structures presented in 100A and 100B and the acquisition of composition and translation skills. Readings may be taken from significant Spanish and Spanish American authors. One hour a week will be devoted to conversation.

Note: Credit will be granted for only one of 250A, 249, 250. Students who intend to do Major or Honours work in Hispanic Studies should take this course in the second year; may also be taken as an elective.

Prerequisites: 100A and 100B; or 149; or Spanish 12, or permission of the department.

SPAN 250B Units: 1.5 Hours: 3-0-1
Formerly: **second half of 250**
Review of Grammar and Conversation II

A continuation of 250A. Review of grammatical concepts and structures introduced in 100A and 100B as well as on the expansion and consolidation of skills acquired in 250A. Readings may be taken from significant Spanish and Spanish American authors. One hour a week will be devoted to conversation.

Note: Credit will be granted for only one of 250B, 249, 250. Students who intend to do Major or Honours work in Hispanic Studies should take this course in the second year. May also be taken as an elective.

Prerequisites: 250A.

SPAN 255 Units: 1.5 Hours: 3-0
Communicating in Spanish

This optional companion course to 250A will focus on reading and speaking Spanish. Short literary and journalistic texts will be used for oral practice to develop reading skills, and also for brief written assignments and film and media reports.

Note: Must be taken in conjunction with 250A.

Prerequisites: 100A and 100B, or Spanish 12, or permission of the department.

SPAN 260 Units: 1.5 formerly 3 Hours: 3-0
Introductory Written Spanish

Expands the student's ability to communicate in Spanish in various written forms (essays and close textual analyses). Explores and uses a variety of texts that will serve as examples for the written assignments.

Note: Not open to students with credit in Spanish language and literature courses at the 300 and 400 level with the exception of those given in English and taken as electives.

Pre- or corequisites: 250B.

SPAN 265 Units: 1.5 Hours: 3-0
Introductory Written Spanish (Year Abroad Program)

Taken in conjunction with 340 as part of the Year Abroad Program. Expands the student's ability to communicate in Spanish in various written forms (essays and close textual analyses). Explores and uses a variety of texts that will serve as examples for the written assignments.

Note: Credit will be granted for only one of 265, 260, 280 (if taken for 6 units).

Prerequisites: 250A, 250B.

SPAN 280 Units: 4.5, formerly 6.0 Hours: 6-0
Spanish Immersion

Taken in conjunction with 250A/B and/or 350A/B as part of the Year Abroad Program. Combines conversation with an introduction to the culture of Latin America.

Note: Open to students with credit in 307.

Prerequisites: 100A and 100B, or permission of the department.

SPAN 340 Units: 3.0 Hours: 6-0
Spanish Immersion Literature

This course, to be taken in conjunction with 350A/B, is the second part of the Year Abroad Program, and combines conversation with an introduction to the culture and literature of Spain and Latin America.

Prerequisites: 280.

SPAN 350A Units: 1.5 Hours: 3-0
Formerly: **first half of 350**
Advanced Composition, Translation and Stylistics I

Emphasis on the mastery of Spanish grammar and syntax through translation, composition and readings.

Note: Credit will be granted for only one of 350A, 350.

Prerequisites: 249, or 250A and 250B, with a minimum average GPA of 4.0, or advanced placement by the department.

SPAN 350B Units: 1.5 Hours: 3-0
Formerly: **second half of 350**
Advanced Composition, Translation and Stylistics II

A continuation of 350A, with continued emphasis on the mastery of Spanish grammar and syntax through translation, composition and readings.

Note: Credit will be granted for only one of 350B, 350.

Prerequisites: 350A or permission of the department.

SPAN 370 Units: 1.5 Hours: 3-0
Survey of Spanish Literature from Origins to 1700

Works of major Spanish authors in the genres of narrative, drama, and poetry from origins to 1700. Techniques of literary criticism will be reviewed and expanded.

Note: Normally taken in conjunction with 350B.

Prerequisites: 249, or 250A and 250B, and 260 or 265; with a minimum average GPA of 4.0, and a minimum grade of C+ in each.

Pre- or corequisites: 350A or permission of the department.

SPAN 375 Units: 1.5 Hours: 3-0
Survey of Spanish Literature Since 1700

Works of major Spanish authors in the genres of narrative, drama, and poetry from 1700 to the present. Techniques of literary criticism will be reviewed and expanded.

Note: Normally taken in conjunction with 350A.

Prerequisites: 249, or 250A and 250B, and 260 or 265; with a minimum average GPA of 4.0, and a minimum grade of C+ in each.

Pre- or corequisites: 350A or permission of the department.

SPAN 380 Units: 1.5 Hours: 3-0
Survey of Spanish American Literature from 1492 to 1900

Works of major Spanish American authors in the genres of narrative, drama and poetry from 1492 to 1900. Techniques of literary criticism will be reviewed and expanded.

Note: Normally taken in conjunction with 350B.

Prerequisites: 249, or 250A and 250B, and 260 or 265; with a minimum average GPA of 4.0, and a minimum grade of C+ in each.

Pre- or corequisites: 350A or permission of the department.

SPAN 385 Units: 1.5 Hours: 3-0
Survey of Spanish American Literature Since 1900

Works of major Spanish American authors in the genres of narrative, drama, and poetry from 1900 to the present. Techniques of literary criticism will be reviewed and expanded.

Note: Normally taken in conjunction with 350A.

Prerequisites: 249, or 250A and 250B, and 260 or 265; with a minimum average GPA of 4.0, and a minimum grade of C+ in each.

Pre- or corequisites: 350A or permission of the department.

SPAN 408A Units: 1.5 Hours: 3-0
Topics in Spanish Culture

Explores the artistic, literary, intellectual, social and political trends in Spain from the Middle Ages to the present.

Note: May be taken more than once for credit in different topics with permission of the department.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 408B Units: 1.5 Hours: 3-0
Topics in Latin American Culture
 Explores the artistic, literary, intellectual, social and political trends in Latin America.

Note: May be taken more than once for credit in different topics with permission of the department.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 450A Units: 1.5 Hours: 3-0
 Formerly: half of 450

Advanced Grammar and Syntax

Advanced study of the intricacies and problems of Spanish grammar and syntax.

Note: Credit will be granted for only one of 450A, 450.

Prerequisites: 350A and 350B.

SPAN 460 Units: 1.5 Hours: 3-0
Hispanic Poetry

A chronological study of the development of poetry in Spain and other Hispanic countries chosen at the discretion of the instructor. Emphasis will be on cultural, political, and social impact of poetry.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 468 Units: 1.5 Hours: 3-0
Spanish Historical Fiction

A selection of historical fiction by modern writers from Spain. Emphasis placed on the development of the genre or on specific issues such as national or regional identity, historical period, and genre. Special reference made to the ways authors manipulate historical periods for their own aesthetic, social and/or political goals.

Note: May be taken twice for credit in different topics.

Pre- or corequisites: One of 370, 375, 380, or 385.

SPAN 469 Units: 1.5 Hours: 3-0
Special Topics in Hispanic Literatures

Variable content course which will focus attention on themes, literary and cultural trends, countries or authors.

Note: May be taken more than once for credit in different topics.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 470 Units: 1.5 Hours: 3-0
Medieval Literature

A study of topics in the literature of medieval Spain, ranging from the turbulent formative period of the Reconquest to the time of the voyages of discovery. Themes may include: the epic, anti- and pro-feminism, courtly love, miracle stories and political satire.

Note: Credit will be granted for only one of 470, 470A, 470B. May be taken twice for credit in different topics.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 471A Units: 1.5 Hours: 3-0
 Formerly: 471

The Female Voice in Medieval Poetry

A study of the female voice in the medieval *Cancionero* in the context of the pro- and anti-feminist debate of the period.

Note: Credit will be granted for only two of 471A, 471, 470, 470A, 470B if taken in different topics.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 471B Units: 1.5 Hours: 3-0
 Formerly: 471

Miracle Stories of the Marian Tradition

A study of the miracle stories of King Alfonso X and Gonzalo de Berceo in the social and theological context of the Middle Ages.

Note: Credit will be granted for only two of 471B, 471, 470, 470A, 470B if taken in different topics.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 471C Units: 1.5 Hours: 3-0
 Formerly: 471

Special Topics in Medieval Literature (in English)

Topics in the medieval literature and culture of Spain dealing with such issues as religious tolerance and intolerance, the epic as witness and participant in the making of the nation, the pro- and anti-feminist debate. The topic will change from year to year.

Note: May be taken twice in different topics. Credit will be granted for only two of 471C, 471, 470, 470A, 470B (if taken in different topics).

Prerequisites: Second-year standing.

SPAN 472 Units: 1.5 Hours: 3-0
Cervantes' Don Quixote

A study of *Don Quixote* in the context of Cervantes' life and times. Generally given in Spanish.

Pre- or corequisites: One of 370, 375, 380, or 385 if 472 given in Spanish, second-year standing if 472 given in English.

SPAN 473A Units: 1.5 Hours: 3-0
 Formerly: 473

Prose of the Golden Age

Study of representative authors, themes, and genres. Authors may include Montemayor, Vélez de Guevara, Delicado, and Gracián.

Note: Open to students with credit in 473 if taken in different topics. May be taken twice for credit in different topics.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 473B Units: 1.5 Hours: 3-0
 Formerly: 473

Poetry of the Golden Age

Study of representative authors, themes and genres.

Authors may include Garcilaso de la Vega, Santa Teresa, Fray Luis de León, San Juan de la Cruz, Góngora, and Quevedo.

Note: Open to students with credit in 473 if taken in different topics. May be taken twice for credit in different topics.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 473C Units: 1.5 Hours: 3-0
 Formerly: 473

Drama of the Golden Age

Study of representative authors, themes, and genres.

Authors may include Lope de Vega, Tirso de Molina, and Calderón de la Barca.

Notes: - Open to students with credit in 473 if taken in different topics. May be taken twice for credit in different topics.

- Credit will be granted for only one of 473C, 474A, 474B.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 475 Units: 1.5 Hours: 3-0
Landscapes of Desire: Visions of Self and Country

Heroics, love, and death in Renaissance and Golden Age Spain. This study of poetry as the mirror of culture will focus on the major poets. Special reference will be made to poets who also practised another art, profession, or belonged to the Church.

Pre- or corequisites: One of 370, 375, 380, 385 if 475 given in Spanish, second-year standing if 475 given in English.

SPAN 476A Units: 1.5 Hours: 3-0
Spanish Literature of the 19th Century

The development of the Romantic and Realist movements in Spanish drama, poetry and novel of the last century. Selected works of major authors such as Bécquer, Pardo Bazán, and Galdós will be studied in

the context of the social and ideological climate of the period.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 476C Units: 1.5 Hours: 3-0
Literature of Renewal: Prose and Poetry of Spanish Fin De Siglo

Selected works of Unamuno, Baroja, "Azorín," and the poet Antonio Machado will be studied in the context of the social and intellectual crisis precipitated by the events of 1898.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 478A Units: 1.5 Hours: 3-0
The 20th-Century Novel After the Civil War

A study of the main currents of the modern novel in Spain, with special emphasis on individual responses to the Civil War of 1936-39 and on the development of the novel as a vehicle for social criticism. Recent trends will be examined in the light of the continuing search for new values.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 478B Units: 1.5 Hours: 3-0
 Formerly: 412

20th-Century Drama and Poetry

A study of the drama and poetry of modern Spain, covering the works of such writers as Juan Ramón Jiménez, García Lorca, Pedro Salinas and Alfonso Sastre.

Note: Credit will be granted for only one of 478B, 412.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 478C Units: 1.5 Hours: 3-0
Special Topics in Modern Spanish Literature

Studies in the literature of modern Spain with special emphasis on the post-Franco period. Although primarily a study of fiction, some attention may be given to poetry and drama at the discretion of the instructor.

Note: May be taken twice for credit in different topics.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 479A Units: 1.5 Hours: 3-0
 Also: ITAL 479A

Women in the Hispanic and Italian World

A study of major women authors, characters and themes relevant to women's issues in Hispanic and Italian literature. May be given in English, Spanish or Italian.

Topic: "Contemporary Women's Writing for Children".

Note: Credit will be granted for both 479A and ITAL 479A only if taken in different topics. May be taken twice for credit in different topics.

Pre- or corequisites: One of 370, 375, 380, 385 if 479A readings in Spanish, second-year standing if 479A readings in English.

SPAN 481A Units: 1.5 Hours: 3-0
 Formerly: 481, 480, 480A

Sor Juana Inés de la Cruz: Context, Theatre and Prose

The theatre and prose of Sor Juana as a reflection of and response to her society and personal circumstances. A study of the racial and cultural diversity of 17th century New Spain, its artistic and intellectual movements, the socioeconomic situation of women, and female monastic life. Works by Sor Juana to be studied include religious and secular plays, theological writings, and texts addressed to the ecclesiastical hierarchy.

Note: Credit will be granted for only one of 481A, 480, 480A, 481 (if taken in the same topic).

Pre- or corequisites: One of 370, 375, 380, 385 if 481A given in Spanish, second-year standing if 481A given in English.

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SPAN 481B Units: 1.5 Hours: 3-0
Formerly: 481, 480, 480A
Sor Juana Inés de la Cruz: Poetry

A study of the poetic compositions - devotional, irreverent, humorous, satirical and philosophical - of the 17th-century Mexican nun. The poetry will be studied in its historical, social, and literary context.

Note: Credit will be granted for only one of 481B, 480, 480A, 481 (if taken in the same topic).

Pre- or corequisites: One of 370, 375, 380, 385 if 481B given in Spanish, second-year standing if 481B given in English.

SPAN 481C Units: 1.5 Hours: 3-0
Formerly: 481, 480, 480A

Colonial Letters: Literatures of the Conquest

A comparative study of how soldiers, friars, poets and indigenous historians of the 16th and 17th centuries narrated the conquest of the Americas. Topics may include the role of providence, Neoplatonic and early anthropological views of indigenous societies and beliefs, and the epic in the New World. Authors may include Cortés, Díaz del Castillo, Sahún, Mendieta, Ercilla, Villagrà, Alva Ixtlilxóchitl, the Inka Garcilaso de la Vega, and Waman Puma.

Note: May be taken twice in different topics. Credit will be granted for only one of 481C, 480, 480A, 481 (if taken in the same topic).

Pre- or corequisites: One of 370, 375, 380, 385 if 481C given in Spanish, second-year standing if 481C given in English.

SPAN 481D Units: 1.5 Hours: 3-0
Formerly: 481, 480, 480A

Colonial Letters: The Spanish American Enlightenment

An exploration of the manifestations of the Enlightenment in Spanish America, focusing mainly on Mexico. Topics of discussion may include science and popular religiosity, creole patriotism and the insurgency, depictions of race, class and gender, early novels, and travel narratives. Readings will be drawn from the works of Clavijero, Mier, von Humboldt, Fernández de Lizardi, and others.

Note: May be taken twice in different topics. Credit will be granted for only one of 481D, 480, 480A, 481 (if taken in the same topic) to a maximum of three units.

Pre- or corequisites: One of 370, 375, 380, 385 if 481D given in Spanish, second-year standing if 481D given in English.

SPAN 483A Units: 1.5 Hours: 3-0
Formerly: 480C

Spanish American Literature of the 19th Century

Representative novels and short stories from the 19th century. Discussion of each work within its national and/or regional context.

Note: Credit will be granted for only one of 483A, 480C.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 483B Units: 1.5 Hours: 3-0
Formerly: 480D

Fiction from the "Boom" to the Present

Novels and short stories from the 1950s to the present. Discussion of each work within the national and/or regional context.

Note: Credit will be granted for only one of 483B, 480D.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 483C Units: 1.5 Hours: 3-0
Modern Latin American Literature and the Visual Arts

An exploration of the links between literary works and painting, photography, and cinema in 20th century Latin America.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 484A Units: 1.5 Hours: 3-0
Latin American Women's Writing

A selection of women's writing in Spanish America and Brazil from the 19th century up to the present. Discussion of the relevance of each writer within her national and/or regional literature. Given in Spanish or English.

Pre- or corequisites: One of 370, 375, 380, 385 if 484A given in Spanish; second-year standing if 484A given in English.

SPAN 484B Units: 1.5 Hours: 3-0
Contemporary Latin American Literature (in English)

A selection of works by 20th-century writers from Spanish America and Brazil. Discussion of each work within the national and/or regional context.

Notes: - Credit will be granted for only one of 484B, 481, PORT 481 without permission of the department.

- May be taken twice for credit in different topics.

Prerequisites: Second-year standing.

SPAN 484C Units: 1.5 Hours: 3-0
Also: HIST 470

Colonial Spanish America 1492-1767

Spanish America from the Conquest to the Bourbon reforms. Special focus on territorial expansion, indigenous resistance and accommodation, the establishment of the viceroalties, social diversity, racial intermingling, racism and cultural hybridity.

Note: Credit will be granted for only one of 484C, HIST 470.

SPAN 484D Units: 1.5 Hours: 3-0
Also: HIST 471

From Colony to Republic: Spanish America 1767-1867

Spanish America from the expulsion of the Jesuits to the reestablishment of a republic in Mexico. Special attention to the causes of independence as well as the struggle between liberals and conservatives in the newly-formed nations.

Note: Credit will be granted for only one of 484D, HIST 471.

SPAN 485A Units: 1.5 Hours: 3-1
Spanish Film

A selection of major accomplishments in Spanish-language film, from the experimental cinema of Buñuel to post-Franco director Almodóvar. May be given in Spanish or English.

Note: May be taken twice for credit in different topics.

Pre- or corequisites: 350A if given in Spanish; second-year standing if given in English.

SPAN 485B Units: 1.5 Hours: 3-1
Latin American Film

A selection of major accomplishments in Spanish-language film in Latin America. Course content will vary to include recent trends in Mexico, Argentina, Cuba and other Latin American countries. May be given in Spanish or English.

Note: May be taken twice for credit in different topics.

Pre- or corequisites: 350A if given in Spanish; second-year standing if given in English.

SPAN 486 Units: 1.5 Hours: 3-0
Special Topics in Hispanic American Literature

Variable content course which will focus attention on themes, literary and cultural trends, countries or authors.

Note: May be taken twice for credit in different topics.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 490A Units: 1.5 Hours: 3-0
Formerly: 425

History of the Spanish Language

A study of the development of the Spanish language from its origins in Vulgar Latin to its stabilization in Cervantes' time.

Note: Credit will be granted for only one of 490A, 425.

Prerequisites: 250B.

SPAN 490B Units: 1.5 Hours: 3-0
Formerly: 426

Translation Theory and Practice

A review of basic linguistic and cultural patterns and the problems of translation; emphasis will be laid on the acquisition of practical experience in translating materials drawn from a large variety of fields.

Note: Credit will be granted for only one of 490B, 426.

Prerequisites: 350B.

SPAN 490C Units: 1.5 Hours: 3-0
Advanced Written Spanish

Practice in composition, translation and stylistic analysis. Attention will be given to both the formal and informal use of language.

Prerequisites: 350B.

SPAN 495 Units: 1.5 or 3.0
Formerly: 430

Directed Reading Course

A specified reading project for fourth-year students to be determined by the student, the instructor, and the Chair of the department; written assignments will be required.

Note: Credit will be granted for only one of 495, 430. May be taken more than once in different topics. For Honours and Major students.

SPAN 499 Units: 1.5
Honours Graduating Essay

Honours students will write a graduating essay of 7,500 - 10,000 words, in Spanish and on an approved topic, under the direction of a member of the department. The essay must conform to acceptable standards of style and format, and be submitted before the end of Second Term classes.

STAT

Statistics

Department of Mathematics and Statistics Faculty of Science

STAT 252 Units: 1.5 Hours: 3-0
Statistics for Business

Descriptive statistics, probability, random variables, discrete and continuous probability distributions, random sampling and sampling distributions, point and interval estimation, hypothesis testing, statistical inference for comparing samples from two populations, simple linear regression, contingency tables. Examples will be taken from business applications. Students will be expected to analyze data using computing facilities.

Note: Credit will be granted for only one of 252, 250, 254, 255, 260. See Credit Limit, page 32. Intended primarily for Business students.

Prerequisites: MATH 122 or 151.

STAT 254 Units: 1.5 Hours: 3-0-1
Probability and Statistics for Engineers

Probability axioms, properties of probability, counting techniques, conditional probability, independence, random variables, discrete and continuous probability distributions, expectation, variance; binomial, hypergeometric, negative binomial, Poisson, uniform, normal, gamma and exponential distributions; discrete and continuous joint distributions, independent random variables, expectation of functions of random vectors, covariance, random samples and sampling distributions, central limit theorem; point and interval estimation; hypothesis testing; linear regression and correlation.

Note: Credit will be granted for only one of 254, 250, 252, 255, 260. See Credit Limit, page 32.

Prerequisites: Admission to a BEng program.

Corequisites: MATH 200.

STAT 255 Units: 1.5 Hours: 3-0
Statistics for Life Sciences I

Descriptive statistics; probability; random variables and probability distributions; expectation; binomial, Poisson, and normal distributions; random sampling and sampling distributions; point and interval estimation; classical hypothesis testing and significance testing. Statistical examples and applications from life sciences will be emphasized.

Notes: - Credit will be granted for only one of 255, 250, 252, 254, 260. See Credit Limit, page 32.

- Intended primarily for students in Biochemistry, Microbiology, Biology, Environmental Studies combined with a Science discipline, Kinesiology, and Combined Computer Science and Health Information Science.

Prerequisites: 1.5 units of MATH courses numbered 100 or higher.

STAT 256 Units: 1.5 Hours: 3-1-0
Statistics for Life Sciences II

Estimation and hypothesis testing; analysis of variance and the design of experiments; regression and correlation; analysis of categorical data; distribution-free procedures. Statistical examples and applications from life sciences will be emphasized.

Notes: - Credit will be granted for only one of 256, 251, 261.

- Intended primarily for students in Biochemistry, Microbiology, Biology, and Environmental Studies.

Prerequisites: One of 252, 254, 255, 260.

STAT 260 Units: 1.5 Hours: 3-0
Introduction to Probability and Statistics I

Descriptive statistics; elementary probability theory; random variables, discrete and continuous probability distributions, expectation, joint, marginal and conditional distributions; linear functions of random variables; random sampling and sampling distributions; point and interval estimation; classical hypothesis testing and significance testing. The mathematical foundations of statistical inference will be introduced and illustrated with examples from a variety of disciplines.

Note: Credit will be granted for only one of 260, 250, 252, 254, 255. See Credit Limit page 32.

Pre- or corequisites: MATH 101 or 103 or 140.

STAT 261 Units: 1.5 Hours: 3-1-0
Introduction to Probability and Statistics II

Estimation and hypothesis testing; normal sampling distribution theory; analysis of variance and the design of experiments; regression and correlation; analysis of categorical data; distribution-free procedures. The mathematical foundations of statistical inference will be introduced and illustrated with examples from a variety of disciplines.

Note: Credit will be granted for only one of 261, 251, 256.

Prerequisites: 254 or 260.

STAT 350 Units: 1.5 Hours: 3-0
Mathematical Statistics I

Discrete and continuous probability models, random variables and their distributions, mathematical expectation, moment generating functions, sums of random variables, limit theory, and sampling distributions. Emphasis on the probability theory needed for 450.

Prerequisites: One of 256 or 261; MATH 200 or 205.

STAT 353 Units: 1.5 Hours: 3-0
Applied Regression Analysis

An outline of linear regression theory with applications.

Prerequisites: 256 or 261, and one of MATH 110, 133, 211, 233A; or permission of the department.

STAT 354 Units: 1.5 Hours: 3-0
Sampling Techniques

Principal steps in planning and conducting a sample survey. Sampling techniques including stratification, systematic sampling and multistage sampling. Practical survey designs with illustrations. Nonsampling errors.

Prerequisites: 256 or 261, or permission of the department.

STAT 355 Units: 1.5 Hours: 3-0
Statistical Methods in Biology and Medicine

Rates and comparison of rates: case-control studies; odds ratios; regression models; Poisson and logistic regression; dose-response models; Cox's regression analysis.

Prerequisites: 256 or 261.

STAT 357 Units: 1.5 Hours: 3-0
Statistical Methods in Quality Assurance

Univariate control charts for measurements and attributes; multivariate control charts for measurements; process capability analysis; regression, sampling and experimental design methods.

Prerequisites: One of 252, 254, 255 or 260.

STAT 359 Units: 1.5 Hours: 3-1
Data Analysis

An introductory data analysis course for students who have had an introduction to descriptive statistics, probability distributions, estimation, hypothesis testing and confidence intervals. Emphasis is placed on proper use of computer software, interpretation of output and assumptions required for use of each statistical method. Topics may include: linear and nonlinear regression, time series analysis, analysis of variance, design of experiments, generalized linear models, repeated measures analysis, survival analysis, methods for multivariate data, and nonparametric methods.

Prerequisites: One of 252, 254, 255, 260, ECON 246, GEOG 226, PSYC 300A, SOCI 371A, or equivalent.

STAT 450 Units: 1.5 Hours: 3-0
Formerly: 351
Mathematical Statistics II

Brief introduction to decision theory, point and interval estimation, hypothesis testing; regression and correlation, analysis of variance. Emphasis on the mathematics of statistics.

Note: Credit will be granted for only one of 450, 351.

Prerequisites: 350.

STAT 453 Units: 1.5 Hours: 3-0
The Design and Analysis of Experiments

An introduction to the principles of experimental design and the techniques of analysis of variance. A discussion of experimental error, randomization, repli-

cation, and local control. Analysis of variance is developed for single factor and multifactor experiments. The use of concomitant observations. Multiple comparisons and orthogonal contrasts.

Prerequisites: One of 251, 256, 261; and 353 or some experience or familiarity with experimentation.

STAT 454 Units: 1.5 Hours: 3-0
Topics in Applied Statistics

Possible topics include: Multivariate analysis, multidimensional scaling methods, clustering methods, and time series analysis. Information on the topics available in any given year may be obtained from the Chair of the department.

Note: May be taken more than once for credit in different topics with permission of the department.

Prerequisites: Permission of the department.

STAT 455 Units: 1.5 Hours: 3-0
Distribution-Free Statistics

Tests based on the binomial distribution; contingency tables; methods based on ranks; statistics of the Kolmogorov-Smirnov type; resampling methods; empirical likelihood methods.

Note: Students with credit for 454 require permission of the department.

Prerequisites: 350.

STAT 456 Units: 1.5 Hours: 3-0
Multivariate Analysis

Multivariate normal distribution; multivariate analysis of variance; regression; discriminant analysis; classification analysis; principal component analysis; cluster analysis; and factor analysis.

Note: Students with credit for 454 require permission of the department.

Prerequisites: 350, 353.

STAT 457 Units: 1.5 Hours: 3-0
Time Series Analysis

Stationary time series; Box-Jenkins methodology; autoregressive, moving-average and ARIMA models; smoothing; time series regression; spectral analysis and linear filters.

Note: Students with credit for 454 require permission of the department.

Prerequisites: 350 and 353; or 350 and ECON 366 and a declared program in the Financial Mathematics and Economics program.

STAT 458 Units: 1.5 Hours: 3-0
Generalized Linear Models

Nonlinear regression models; logit and probit models for binomial responses; log-linear models for counts; quasi-likelihoods and generalized estimating equations for non-normal data.

Note: Students with credit for 454 require permission of the department.

Prerequisites: 350, 353.

STAT 459 Units: 1.5 Hours: 3-0
Survival Analysis

Analysis of time-to-failure data; censoring; survival, hazard rate and mean residual life functions; nonparametric estimation and comparisons of survival functions; covariates; parametric models; semi-parametric (Cox) regression model; time-dependent covariates.

Note: Students with credit for 454 require permission of the department.

Prerequisites: 350, 353 and 450 or permission of the department.

THEA**Theatre****Department of Theatre****Faculty of Fine Arts****THEA 101 Units: 3.0 Hours: 3-0**
An Introduction to Theatre

A practical and theoretical introduction to play analysis, to dramatic criticism, to theatrical form, and to the principles of stage production. Attendance at live performances is required.

Note: Credit will be granted for only one of 101, 100. Not open to Theatre Majors.

THEA 102 Units: 1.5 Hours: 3-0
Theatre Appreciation: From Page to Stage

A course designed to enhance understanding and appreciation of today's theatre. Assignments include watching plays on video and attendance at live theatre performances.

Note: Credit will be granted for only one of 102, 100. Not open to Theatre Majors.

THEA 105 Units: 3.0 Hours: 1-3
An Introduction to Stagecraft and Technical Practice

The intensive study and application of the principles of scenery and costume construction, stage lighting, and theatre organization and practice. Practical assignments will include the preparation and crewing of department productions. Due to changing production schedules, labs may not always meet as timetabled.

Prerequisites: Permission of the department.

Corequisites: 111, 112, 120.

THEA 111 Units: 1.5 Hours: 3-0
Introduction to the History and Language of the Theatre I

A survey of the history of western theatre from its beginnings to the Middle Ages. Early forms, conventions and styles are compared with those of the contemporary theatre.

Note: Credit will be granted for only one of 111, 100, 110.

Prerequisites: Permission of the department.

Corequisites: 105, 120, Theatre Majors.

THEA 112 Units: 1.5 Hours: 3-0
Introduction to the History and Language of the Theatre II

A survey of the history of western theatre from the Middle Ages to the closing of the English playhouses in 1642. Early forms, conventions and styles are compared with those of the contemporary theatre.

Note: Credit will be granted for only one of 112, 100, 110.

Prerequisites: 111 and permission of the department.

Corequisites: 105, 120, Theatre Majors.

THEA 120 Units: 3.0 Hours: 0-3
Introduction to the Art of Acting

An orientation to the art of acting and an introduction to the actor's creative process.

Prerequisites: Permission of the department.

Corequisites: 105, 111, 112.

THEA 122 Units: 1.5 Hours: 0-3
The Acting Experience

An examination of the fundamentals of the art of acting through self-exploration, improvisation, character and scene study.

Note: Not open for credit to students registered in or with credit in 120 or 121.

THEA 132 Units: 3.0
Exploring Theatre Through Dramatic Process

A course designed for students interested in the improvisational nature of theatre as it applies to working spontaneously or through text with an emphasis on collective creation. Recommended for students considering careers in alternative theatre practices, theatre for social change, health education, museum education and young audiences, teaching, recreation, counselling, child and youth care.

THEA 150 Units: 1.5 Hours: 3-0
Public Speaking

An overview of the theoretical bases of speech communication; development of the vocal, verbal, and non-verbal skills of organization and presentation essential to effective communication.

THEA 205 Units: 3.0 Hours: 0-4
An Introduction to Production and Management Areas of the Theatre

Students are instructed in the basic principles and procedures of the major production and management areas of the theatre. Students will be required to successfully complete a practical assignment in a department or other designated production(s).

Note: Students enrolled in this course must consult the instructor before making evening or lunchtime engagements which might interfere with the schedule of practical assignments. Due to changing production assignments labs may not always meet as timetabled.

Prerequisites: 105 and permission of the department.

THEA 210 Units: 1.5 Hours: 3-0
Theatre from French Classicism to the End of the 19th Century

A survey of western theatre history from Corneille to the Victorians. Introduction to library research methods in theatre history.

Note: Credit will be granted for only one of 210, 200.

Prerequisites: 112 or permission of the department.

Corequisites: 205.

THEA 211 Units: 1.5 Hours: 3-0
Modern Theatre

A continuation of Theatre 210 from the late 19th century to the present day.

Note: Credit will be granted for only one of 211, 200.

Prerequisites: 210 or permission of the department.

Corequisites: 205.

THEA 218 Units: 1.5 Hours: 0-4.5-0
Acting I (for Theatre Students who are Non-Acting Specialists)

Work in characterization and scene study designed for Theatre students who are pursuing programs other than the Acting Specialist Option.

Note: Credit will be granted for only one of 218, 220, 221. Enrolment limited.

Prerequisites: 105, 112, 120 and permission of the department.

Corequisites: 205, 210.

THEA 219 Units: 1.5 Hours: 0-4.5
Acting II (for Theatre Students who are Non-Acting Specialists)

A continuation of Theatre 218. Work in characterization and scene study designed for Theatre students who are pursuing programs other than the Acting Specialist Option.

Note: Credit will be granted for only one of 219, 220, 222. Enrolment limited.

Prerequisites: 218; permission of the department.

Corequisites: 205, 210.

THEA 221 Units: 1.5 Hours: 0-4.5
Acting I

Work in characterization and scene study.

Note: Credit will be granted for only one of 221, 220. Enrolment limited.

Prerequisites: 105, 112, 120; audition and/or interview; permission of the department.

Corequisites: 205, 210, 223 or 225.

THEA 222 Units: 1.5 Hours: 0-4.5
Acting II

A continuation of Theatre 221. Work in characterization and scene study.

Note: Credit will be granted for only one of 222, 220. Enrolment limited.

Prerequisites: 221; audition and/or interview; permission of the department.

Corequisites: 205, 211, 223 or 225.

THEA 223 Units: 1.5 Hours: 0-4.5-0
Introduction to Voice

Basic development of the voice to prepare for speech on the stage.

Note: Enrolment limited.

Prerequisites: 105, 112, 120; audition and/or interview; permission of the department.

Corequisites: 205, 210 or 211, 221 or 222.

THEA 225 Units: 1.5 Hours: 0-4.5-0
Introduction to Stage Movement

Development of a basic movement vocabulary for the stage.

Note: Credit will be granted for only one of 225, 260. Enrolment limited.

Prerequisites: 105, 112, 120; audition and/or interview; permission of the department.

Corequisites: 205, 210 or 211, 221 or 222.

THEA 229 Units: 1.5
Theatre Performance

Supervised performance in department productions.

Note: Credit will be granted for no more than 4.5 units of any combination of 229, 329, 429. Of those 4.5 units, only 1.5 units of 229 will normally be given.

Prerequisites: Permission of the department.

Grading: COM, N, F.

THEA 235 Units: 3.0 Hours: 3-0
Introduction to Applied Theatre

A broad interpretive examination of the uses of theatre in a variety of educational and non-traditional settings.

Prerequisites: 105, 111, 112, 120 and 132 or 181, or permission of the department.

Corequisites: 205, 210, 211.

THEA 251 Units: 1.5 Hours: 1-3
Introduction to Design I

Developing a graphic vocabulary in the free hand idiom for the Theatre Designer.

Note: Credit will be granted for only one of 251, 240.

Prerequisites: Permission of the department.

THEA 252 Units: 1.5 Hours: 1-3
Introduction to Design II

Development of drawing skills in the mechanical idiom. Drafting of ground plans, sections, elevations, orthographics, and isometrics. Mechanical perspective drawing will be explored.

Note: Credit will be granted for only one of 252, 240.

Prerequisites: Permission of the department.



THEA 261 Units: 1.5 Hours: 4-0
Introduction to Costume Design

An introduction to the design principles, drawing techniques, and materials of costume design for the stage and other media.

Prerequisites: *Permission of the department.*

THEA 299 Units: 1.5 or 3.0
Theatre Laboratory

Under the supervision of faculty, students will participate in projects that will include both their particular areas of interest and other aspects of the theatre.

Note: *May be taken more than once for credit to a maximum of 3 units.*

Prerequisites: *Permission of the department.*

THEA 305 Units: 1.5 or 3.0 Hours: 0-6-2
Advanced Production and Management

Students are instructed and given practical experience in one or more of the major production and management areas of the theatre. These may include: costume, stage management, technical direction, sound design, lighting operation, stage carpentry, audience services and marketing and communications.

Note: *Enrolment limited. May be taken more than once for credit in different topics with permission of the department to a maximum of 6 units.*

Prerequisites: *205 and permission of the department.*

THEA 309A Units: 1.5 Hours: 4-0
Formerly: 309**History of Opera to the Late 19th Century**

Survey course designed to introduce students to the history of opera as a theatrical genre. Emphasis will be placed upon composers and librettists who were major influences in the development of opera from the Renaissance through to the end of the Romantic age. Dramatic style and theory will be addressed.

Note: *Credit will be granted for only one of 309A, 309.*

Prerequisites: *211 or MUS 110.*

THEA 309B Units: 1.5 Hours: 4-0
Modern Opera

A continuation of 309A, investigating the history of Western opera as a theatrical genre from the late 19th century to the present.

Note: *Credit will be granted for only one of 309B, 309.*

Prerequisites: *309A or permission of the department.*

THEA 310 Units: 1.5 Hours: 3-0
Seminar in Theatre History I

Intensive study of a specific period or genre. The topics for consideration will change each year.

Note: *Students may take this course in different topics for credit more than once to a maximum of 4.5 units of credit.*

Prerequisites: *211 or permission of the department.*

THEA 311 Units: 1.5 Hours: 3-0
Seminar in Theatre History II

Intensive study of a specific period or genre. The topics for consideration will change each year.

Note: *May be taken more than once for credit in different topics to a maximum of 4.5 units.*

Prerequisites: *211 or permission of the department.*

THEA 312 Units: 1.5 Hours: 3-0
Also: PAAS 394
Introduction to the History of Japanese Theatre

A survey of Japanese theatre history from earliest times until the present day. Introduction to the major forms, styles and theory of Japanese theatre, both pre-modern and modern. Readings of plays in translation will be supplemented by screenings of films and videos of stage performances.

Note: *Credit will be granted for only one of 312, JAPA 320A, PAAS 394.*

Prerequisites: *Second-year standing or permission of the department.*

THEA 314 Units: 1.5 Hours: 3-0
Studies in Theatre of the Ancient World

Theatre in ancient Greece or Rome.

Note: *Credit will be granted for only one of 314, 306.*

Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics to a maximum of 4.5 credits.

Prerequisites: *211 or permission of the department.*

THEA 315 Units: 1.5 Hours: 3-0
Studies in Medieval Theatre

Theatre of the Middle Ages.

Note: *Credit will be granted for only one of 315, 307.*

Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics to a maximum of 4.5 units of credit.

Prerequisites: *211 or permission of the department.*

THEA 316 Units: 1.5 Hours: 3-0
Studies in Baroque, Rococo and Neoclassical Theatre

Theatre in the 17th and 18th centuries.

Note: *Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics to a maximum of 4.5 units of credit.*

Prerequisites: *211 or permission of the department.*

THEA 317 Units: 1.5 Hours: 3-0
Studies in 19th-Century Theatre

Theatre in the 19th century.

Note: *Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics to a maximum of 4.5 units.*

Prerequisites: *211 or permission of the department.*

THEA 318 Units: 1.5 Hours: 3-0
Studies in 20th-Century Theatre

Modern theatre.

Note: *Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics to a maximum of 4.5 units.*

Prerequisites: *211 or permission of the department.*

THEA 319 Units: 1.5 Hours: 3-0
Studies in Renaissance Theatre

The Renaissance in the theatre of Italy, France and England.

Note: *Credit will be granted for only one of 319, 308.*

Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics to a maximum of 4.5 units.

Prerequisites: *211 or permission of the department.*

THEA 321 Units: 1.5 Hours: 0-4.5
Acting III

The study of acting as related to specific theatrical genres, styles or periods.

Note: *Credit will be granted for only one of 321, 320.*

Prerequisites: *205, 211, 221, 222, 223, 225; audition and/or interview; permission of the department.*

Corequisites: *323, 325.*

THEA 322 Units: 1.5 Hours: 0-4.5
Acting IV

A continuation of 321. The study of acting as related to specific theatrical genres, styles or periods.

Note: *Credit will be granted for only one of 322, 320.*

Prerequisites: *321; audition and/or interview; permission of the department.*

Corequisites: *324, 326.*

THEA 323 Units: 1.5 Hours: 0-4.5
Speech in the Theatre I

Work in voice and speech as related to specific theatrical genres, styles or periods.

Note: *Credit will be granted for only one of 323, 350.*

Prerequisites: *205, 211, 221, 222, 223, 225; audition and/or interview; permission of the department.*

Corequisites: *321, 325.*

THEA 324 Units: 1.5 Hours: 0-4.5
Speech in the Theatre II

A continuation of 323. Work in voice and speech as related to specific theatrical genres, styles or periods.

Note: *Credit will be granted for only one of 324, 350.*

Prerequisites: *323; audition and/or interview; permission of the department.*

Corequisites: *322, 326.*

THEA 325 Units: 1.5 Hours: 0-4.5-0
Stage Movement I

Intermediate stage movement.

Note: *Credit will be granted for only one of 325, 360.*

Prerequisites: *205, 211, 221, 222, 223, 225; audition and/or interview; permission of the department.*

Corequisites: *321, 323.*

THEA 326 Units: 1.5 Hours: 0-4.5-0
Stage Movement II

A continuation of 325. Intermediate stage movement.

Note: *Credit will be granted for only one of 326, 360.*

Prerequisites: *325; audition and/or interview; permission of the department.*

Corequisites: *322, 324.*

THEA 327 Units: 1.5 Hours: 3-0
The Art of Movement

A practical course designed for non-Acting Majors who wish to learn about the art of movement. Focuses on the body as an instrument of expression. Recommended for students interested in Directing, Education, Design; for musicians, including singers, instrumentalists, and conductors; and for visual and performance artists.

Note: *Enrolment limited to 30 students per section.*

Not open to Acting Specialists.

Prerequisites: *Permission of the department.*

THEA 328 Units: 1.5 Hours: 3-0
Also: PAAS 373
The Theatre of Indonesia

A survey of the theatre of Indonesia. Examines trance dances, traditional puppet theatres of Java and Bali, folk theatres of Java, Bali, and Sumatra and national Indonesian language-art theatre and drama. Readings of plays in translation will be supplemented by videos, films, and slides of performances.

Note: *Credit will be granted for only one of 328, PAAS 373, SEA 320.*

Prerequisites: *Second-year standing or permission of the department.*

THEA 329 Units: 1.5
Theatre Performance

Supervised performance in department productions.

Note: *Credit will be granted for no more than 4.5 units of any combination of 329, 229, 429. May be taken more than once for credit with permission of the department to a maximum of 3 units.*

Prerequisites: *Permission of the department.*

Grading: *COM, N, F.*

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THEA 331 Units: 1.5 Hours: 1-2
Formerly: **half of 330**
Directing I
Fundamental textual analysis; stage composition, movement and rhythm, methods of rehearsal procedure and basic techniques of working with the actor.
Note: Credit will be granted for only one of 331, 330.
Prerequisites: 205, 210, 211 and permission of the department.

THEA 332 Units: 1.5 Hours: 1-2
Formerly: **half of 330**
Directing II
A continuation of 331. Fundamental textual analysis; stage composition, movement and rhythm, methods of rehearsal procedure and basic techniques of working with the actor.
Note: Credit will be granted for only one of 332, 330.
Prerequisites: 331 and permission of the department.

THEA 335 Units: 3.0 Hours: 0-4.5
Applied Theatre I
Advanced study of the theory and practice of Applied Theatre.
Prerequisites: 205, 210, 211, 235, or permission of the department.
Corequisites: 331 or 332 and 355 or 356.

THEA 348 Units: 1.5 Hours: 3-0
Lighting for the Theatre I
Lighting design; its theory and practice.
Note: Credit will be granted for only one of 348, 342.
Prerequisites: 105 and permission of the department.

THEA 349 Units: 1.5 Hours: 3-0
Lighting for the Theatre II
A continuation of 348. Lighting design; its theory and practice.
Note: Credit will be granted for only one of 349, 342.
Prerequisites: 348 and permission of the department.

THEA 351 Units: 1.5 Hours: 2-2
Introduction to Scenic Design
Fundamentals of three dimensional design communication and aesthetics. Model making and other graphic techniques for planning, analyzing and describing plastic space for the stage.
Note: Credit will be granted for only one of 351, 340.
Prerequisites: 205, 210, 211, 251, 252 and permission of the department.

THEA 352 Units: 1.5 Hours: 0-4
Scenic Design
Paper projects in the design of stage settings.
Note: Credit will be granted for only one of 352, 340.
Prerequisites: 351 and permission of the department.

THEA 353 Units: 1.5 or 3.0 Hours: 0-3
Assisting the Scenic Designer
Assisting the scenic designer of a mainstage production.
Note: May be taken more than once for credit to a maximum of 6 units.
Pre- or corequisites: 351, 352 and permission of the department.

THEA 354 Units: 1.5 or 3.0 Hours: 0-3
Assisting the Lighting Designer
Assisting the lighting designer of a mainstage production.
Note: May be taken more than once for credit to a maximum of 6 units.
Pre- or corequisites: 348, 349 and permission of the department.

THEA 355 Units: 1.5 Hours: 3-0
Design Aesthetics I
An introduction to the language of creativity and visual expression. A study of elements of design and how we apply them in the theatre. The class will consist of theoretical discussion, historical analysis and practical design assignments.
Note: Not intended for students choosing the Specialist Options in Design or of Production and Management.
Prerequisites: Permission of the department.

THEA 356 Units: 1.5 Hours: 3-0
Design Aesthetics II
Further explorations in the use, creative interpretation, and communication of stage design through theory and practical projects.
Prerequisites: 355 and permission of the department.

THEA 361 Units: 1.5 Hours: 4-0
Costume Design
The further study and development of the art, craft and practice needed in the design of costumes.
Prerequisites: 261 and permission of the department.

THEA 362 Units: 1.5 Hours: 3-0
Costume History I
A survey of costume and fashion from ancient times through the 17th century. Historical analysis of garments with emphasis on cultural, artistic and psychological aspects.

THEA 363 Units: 1.5 Hours: 3-0
Costume History II
A survey of costume and fashion in the 18th, 19th and 20th centuries. Historical analysis and a detailed study of how clothing/costume signals and defines culture.

THEA 365 Units: 1.5 or 3.0 Hours: 4-0
Assisting the Costume Designer
Assisting the costume designer of a major production.
Note: May be taken more than once for credit to a maximum of 6 units.
Pre- or corequisites: 361 and permission of the department.

THEA 379 Units: 1.5 Hours: 0-3
Musical Theatre Workshop: Singing
Singing for the musical stage. Included will be work in vocal technique, presentation, and interpretation. Examines both solo and choral work.
Note: Enrolment limited to 25 students per section.
Prerequisites: Permission of the department.

THEA 390 Units: 1.5 or 3.0
Directed Studies in Theatre History
Note: May be taken more than once for credit in different topics to a maximum of 6 units.
Prerequisites: 210, 211 and permission of the department.

THEA 391 Units: 1.5 or 3.0
Directed Studies in the History of Drama
Note: May be taken more than once for credit in different topics to a maximum of 6 units.
Prerequisites: 210, 211 and permission of the department.

THEA 392 Units: 1.5 or 3.0
Directed Studies in Theories of Acting
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 219 or 221 and permission of the department.

THEA 393 Units: 1.5 or 3.0
Directed Studies in Theories of Directing
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 210, 211, 332 and permission of the department.

THEA 394 Units: 1.5 or 3.0
Directed Studies in Applied Theatre
Supervised research in Applied Theatre culminating in the production of a specific project either written or practical.
Note: May be taken more than once for credit in different topics to a maximum of 6 units.
Prerequisites: Permission of the department.

THEA 395 Units: 1.5 or 3.0
Directed Studies in Production and/or Management
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 205 and permission of the department.

THEA 396 Units: 1.5 or 3.0
Directed Studies in Scene Design
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 352 and permission of the department.

THEA 397 Units: 1.5 or 3.0
Directed Studies in Costume Design
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 362, 363, 364 and permission of the department.

THEA 398 Units: 1.5 or 3.0
Directed Studies in Lighting Design
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 348, 349 and permission of the department.

THEA 399 Units: 1.5 or 3.0
Theatre Laboratory
Under the supervision of faculty, students will participate in projects that will include both their particular areas of interest and other aspects of the theatre.
Note: May be taken more than once for credit to a maximum of 3 units.
Prerequisites: Permission of the department.

THEA 405 Units: 1.5 or 3.0 Hours: 0-6-2
Specialized Studies in Production and Management
Supervised practical experience in one or two specialized areas of production and management in the theatre.
Note: Enrolment limited. May be taken more than once for credit to a maximum of 6 units.
Prerequisites: 305 and permission of the department.

THEA 410 Units: 1.5 Hours: 3-0
Seminar in Theatre History III
Intensive study of a specific period or genre. The topics for consideration will change each year.
Note: May be taken more than once for credit in different topics to a maximum of 4.5 units.
Prerequisites: 211 or permission of the department.

THEA 411 Units: 1.5 Hours: 3-0
Seminar in Theatre History IV
Intensive study of a specific period or genre. The topics for consideration will change each year.
Note: May be taken more than once for credit in different topics to a maximum of 4.5 units.

Prerequisites: 211 or permission of the department.

THEA 414 Units: 1.5 Hours: 3-0
Studies in Canadian Theatre and Drama
 Canadian theatre and drama.

Note: Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics to a maximum of 4.5 units.

Prerequisites: 211 or permission of the department.

THEA 421 Units: 1.5 Hours: 0-4.5
Acting V

Advanced work in acting.

Note: Credit will be granted for only one of 421, 420.

Prerequisites: 321, 322, 323, 324, 325, 326; audition and/or interview; permission of the department.

Corequisites: 423, 425.

THEA 422 Units: 1.5 Hours: 0-4.5
Acting VI

A continuation of 421. Advanced work in special challenges in acting.

Note: Credit will be granted for only one of 422, 420.

Prerequisites: 421; audition and/or interview; permission of the department.

Corequisites: 424, 426.

THEA 423 Units: 1.5 Hours: 0-4.5
Speech in the Theatre III

Advanced work in voice production and speech for the stage.

Note: Credit will be granted for only one of 423, 450.

Prerequisites: 321, 322, 323, 324, 325, 326; audition and/or interview; permission of the department.

Corequisites: 421, 425.

THEA 424 Units: 1.5 Hours: 0-4.5
Speech in the Theatre IV

A continuation of 423. Advanced work in voice production and speech for the stage.

Note: Credit will be granted for only one of 424, 450.

Prerequisites: 423; audition and/or interview; permission of the department.

Corequisites: 422, 426.

THEA 425 Units: 1.5 Hours: 0-4.5-0
Stage Movement III

Advanced techniques and improvisation in stage movement.

Note: Credit will be granted for only one of 425, 460.

Prerequisites: 321, 322, 323, 324, 325, 326; audition and/or interview; permission of the department.

Corequisites: 421, 423.

THEA 426 Units: 1.5 Hours: 0-4.5-0
Stage Movement IV

A continuation of 425. Advanced technique and improvisation in stage movement.

Note: Credit will be granted for only one of 426, 460.

Prerequisites: 425; audition and/or interview; permission of the department.

Corequisites: 422, 424.

THEA 429 Units: 1.5
Theatre Performance

Supervised performance in department productions.

Note: Credit will be granted for no more than 4.5 units of any combination of 429, 229, 329. May be taken more than once for credit with permission of the department to a maximum of 3 units.

Prerequisites: Permission of the department.

Grading: COM, N, F.

THEA 431 Units: 1.5 Hours: 3-0
Directing III

Advanced work in stage direction.

Note: Credit will be granted for only one of 431, 430.

Prerequisites: 332 and permission of the department.

THEA 432 Units: 1.5 or 3.0 Hours: 3-0
Directing IV

A continuation of 431.

Note: Credit will be granted for only one of 432, 430.

Prerequisites: 431 and permission of the department.

THEA 433 Units: 1.5 or 3.0 Hours: 0-3
Directing for Production

Directing for department productions.

Note: May be taken more than once for credit to a maximum of 6 units.

Prerequisites: 332 and permission of the department.

Corequisites: 431 or 432.

THEA 435 Units: 3.0 Hours: 3-0
Applied Theatre II

Advanced study of the theory and practice of Applied Theatre.

Prerequisites: 332, 335 and 355 or permission of the department.

THEA 453 Units: 1.5 or 3.0 Hours: 0-3
Scenic Design for Production

Design for department productions.

Note: May be taken more than once for credit to a maximum of 6 units.

Prerequisites: 351, 352 and permission of the department.

THEA 454 Units: 1.5 or 3.0 Hours: 0-3
Lighting Design for Production

Design for department productions.

Note: May be taken more than once for credit to a maximum of 6 units.

Prerequisites: 348, 349 and permission of the department.

THEA 464 Units: 1.5 Hours: 0-3
Special Pursuits in Costume Design

Special topics in costume design including costume accessories and fabric dyeing.

Note: Credit will be granted for only one of 464, 441.

Pre- or corequisites: 261, 361 and permission of the department.

THEA 465 Units: 1.5 or 3.0 Hours: 0-4
Costume Design for Production

Supervised design and production in the execution of costumes for theatre production. Students will work with directors on design concepts, and carry out research. They will then prepare designs and see them through the construction process and onto the stage.

Note: May be taken more than once for credit to a maximum of 6 units.

Pre- or corequisites: 361, 362, 363, 365 and permission of the department.

THEA 490 Units: 1.5 or 3.0
Graduating Project

Students in their final year may undertake a special project according to their areas of interest and with permission of the department.

THEA 499 Units: 1.5 or 3.0
Theatre Laboratory

Under the supervision of faculty, students will participate in projects that will include both their particular areas of interest and other aspects of the theatre.

Note: May be taken more than once for credit to a maximum of 6 units.

Prerequisites: Permission of the department.

TS

Technology and Society Interdisciplinary Programs

TS 200 Units: 1.5 Hours: 3-0
Introduction to the Human Uses of Technology

Explores approaches to understanding media, communication, and technology with an emphasis on the critical appreciation of social, cultural, and political impacts of technology on contemporary society. Focuses on what current events teach us about the human uses of technology, and the influence of technology on humans.

TS 300 Units: 1.5 Hours: 3-0
Networking, New Media and Social Practices

Explores the hands-on application of social networking and personal technological devices, and their consequences for society. Engages virtual and mobile technologies for their contributions to personal, social, and cultural understanding. Requires written and practical engagement with social networking and communications technologies.

TS 400 Units: 1.5 Hours: 3-0
Technologies of the Future

Seminar on cutting-edge research in technology and society. Explores current thoughts on technological change, visualization trends, and political and social uses of technology.

WRIT

Writing Department of Writing Faculty of Fine Arts

WRIT 100 Units: 3.0 Hours: 3-0
Introduction to Writing

A non-historical survey of some of the basic structures in poetry, drama, creative nonfiction, and fiction and involves the students in the writing and criticism of compositions in all four genres.

Note: Credit will be granted for only one of 100, CW 100.

WRIT 102 Units: 3.0 Hours: 3-0
 Formerly: 103, 104

Introduction to Professional Nonfiction

An introductory course that prepares students to enter the department's Professional Writing Minor. Introduces students to the practical and theoretical basics of journalism, including writing for newspapers and magazines, as well as media history and analysis, and the basics of creative nonfiction.

Notes: - Credit will be granted for only one of 102, 101, 103.

- Students are reminded that this is a prerequisite course for the Professional Writing Minor in Journalism and Publishing.

WRIT 109 Units: 1.5 Hours: 3-0
The Writer's World in Books and Film

This lecture course, which is open to students in all faculties, explores a selection of authors through an analysis of their writing in various genres and a study of films that show us their working methods and details of their lives. Students will meet guest authors who will read from their publications and discuss the writing process.

Note: This course is not a prerequisite for entry into any other writing course. Open to all students.

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WRIT 140 Units: 1.5 Hours: 3-0
Elements of Style in Creative Writing
 Introduction to grammatical analysis and the norms of standard written English, designed to support the writing of poetry, prose and scripts.
Note: This course does not satisfy the University's English requirement.

WRIT 201 Units: 3.0 Hours: 0-3
Poetry Workshop
 A workshop in the writing of poetry.
Note: Credit will be granted for only one of 201, CW 201. Class size is limited.
Prerequisites: 100 with a minimum of B+ and second-year standing.

WRIT 202 Units: 3.0 Hours: 0-3
Fiction Workshop
 A workshop in the writing of fiction.
Note: Credit will be granted for only one of 202, CW 202. Class size is limited.
Prerequisites: 100 with a minimum of B+ and second-year standing.

WRIT 203 Units: 3.0 Hours: 0-3
Drama Workshop
 A workshop in writing for stage (one semester) and for screen (one semester).
Note: Credit will be granted for only one of 203, CW 203. Class size is limited. It is highly recommended that students take this course if they are interested in pursuing film writing and production in WRIT 320.
Prerequisites: 100 with a minimum of B+ and second-year standing.

WRIT 204 Units: 3.0 Hours: 0-3
Creative Nonfiction Workshop
 A workshop in the writing of creative nonfiction.
Note: Class size is limited.
Prerequisites: 100 with a minimum of B+ and second-year standing.

WRIT 215 Units: 1.5 Hours: 3-0
Journalism
 A lecture course in the theory and practice of journalism in Canada with an emphasis on local news beat writing.
Note: Credit will be granted for only one of 215, 205.
Prerequisites: 102 (formerly 103 and 104) with a minimum grade of B+.

WRIT 216 Units: 1.5 Hours: 3-0-1
Magazine Writing
 An introduction to the theory, craft and business of writing magazine stories for print and electronic publication.
Note: Credit will be granted for only one of 216, 206, 306 if taken in 1995-96 or earlier.
Prerequisites: 102 (formerly 103 and 104) with a minimum grade of B+.

WRIT 300 Units: 1.5 Hours: 3-0
Narrative and Mythic Structure in Film Writing
 A survey course of global cinema examining archetypal and mythic structure in classical narrative film writing.
Prerequisites: Second-year standing.

WRIT 302 Units: 1.5 Hours: 1-2
Special Study in Craft
 A workshop/seminar in which students will focus on particular elements of writing applicable to more than one genre.
Note: May be repeated once in different topics.
Prerequisites: Second-year standing.

WRIT 303 Units: 1.5 Hours: 0-3
Poetry Workshop
 A workshop in the writing of poetry.
Note: May be repeated once. Class size is limited.
Prerequisites: 201 or equivalent.

WRIT 304 Units: 1.5 Hours: 0-3
Fiction Workshop
 A workshop in the writing of fiction.
Note: May be repeated once. Class size is limited.
Prerequisites: 202 or equivalent.

WRIT 305 Units: 1.5 Hours: 0-3
Drama Workshop
 A workshop in the writing of drama for stage, film and television.
Note: May be repeated once. Class size is limited.
Prerequisites: 203 or equivalent.

WRIT 306 Units: 1.5 Hours: 2-0-1
 Formerly: 306B
Digital Publishing
 A lecture and laboratory course in the theory and practice of digital publishing.
Note: Credit will be granted for only one of 306, 306B, CW 306B.
Prerequisites: Second-year standing.

WRIT 307 Units: 1.5 Hours: 3-0
Basic Forms and Techniques in Poetry
 A lecture course surveying the functions of specific poetic techniques in a representative group of poems. Aspects of poetics discussed will include prosody, sound patterns, diction and figurative language.
Note: Credit will be granted for only one of 307, CW 307.
Prerequisites: Second-year standing.

WRIT 308 Units: 1.5 Hours: 3-0
Advanced Forms and Techniques in Poetry
 A lecture course surveying formal structures in poetry in a representative group of poems. Topics discussed include poetic closure, the sonnet, sestina, villanelle and ghazal, and the influence of early 20th century poetic movements such as imagism on contemporary poetic forms.
Note: Credit will be granted for only one of 308, CW 308.
Prerequisites: Second-year standing.

WRIT 309 Units: 1.5 Hours: 3-0
Basic Forms and Techniques in Short Fiction
 A lecture course surveying the structural composition and the function of technique in a representative group of narrative prose works. Aspects of narrative discussed will include: theme, point of view, scenic structure, role of narrator, metaphor, diction, plot and dialogue.
Note: Credit will be granted for only one of 309, CW 309.
Prerequisites: Second-year standing.

WRIT 310 Units: 1.5 Hours: 3-0
Basic Forms and Techniques in the Novel
 A lecture course surveying the structural composition and the function of techniques in a representative group of novels and novellas. Emphasis will be placed upon form and voice, as well as upon their relationship with such other elements of narrative as plot, character development, scene development and theme.
Note: Credit will be granted for only one of 310, CW 310.
Prerequisites: Second-year standing.

WRIT 311 Units: 1.5 Hours: 3-0
Structure in Stage Drama
 A lecture course surveying the structural characteristics of stage drama.
Note: Credit will be granted for only one of 311, CW 311.
Prerequisites: Second-year standing.

WRIT 312 Units: 1.5 Hours: 3-0
Structure in Cinema and Television Drama
 A lecture course surveying the structural characteristics of screen drama, making use of published film and television scripts, and of actual films.
Note: Credit will be granted for only one of 312, CW 312.
Prerequisites: Second-year standing.

WRIT 313 Units: 1.5 Hours: 3-0
Recurrent Themes
 A lecture course surveying recurrent themes in film and/or English literature and in other literatures in translation.
Note: Credit will be granted for only one of 313, CW 313. May be repeated once in different content.
Prerequisites: Second-year standing.

WRIT 314 Units: 1.5 Hours: 3-0
Changing Perspectives
 A lecture course surveying the different ways in which writers have tackled similar subject matter, taking its material from film scripts and/or English literature and other literature in translation.
Note: Credit will be granted for only one of 314, CW 314. May be repeated once in different content.
Prerequisites: Second-year standing.

WRIT 315 Units: 1.5 Hours: 2-1
Advanced Journalism
 A lecture/seminar course in the techniques of investigative news-gathering and feature writing.
Note: Credit will be granted for only one of 315, CW 315A, 315B. May not count toward a Major in Writing.
Prerequisites: 215, 216 with a minimum GPA of 6.0 (B+ average).

WRIT 316 Units: 1.5 Hours: 0-3
Creative Nonfiction Workshop
 A workshop in the writing of creative nonfiction.
Note: Credit will be granted for only one of 316, CW 316A, 316B. May be repeated once. May count either toward a Major in Writing or toward a Professional Writing Minor, not both. Class size is limited.
Prerequisites: 204.

WRIT 320 Units: 1.5 Hours: 3-0-1
Film Writing and Production Workshop
 An intermediate workshop in narrative filmmaking and the basic techniques of film production, focusing on teamwork in the development of a dramatic script into a short motion picture using digital cameras and digital editing software.
Note: May be repeated once.
Prerequisites: Any second-year workshop. 203 is strongly recommended.

WRIT 321 Units: 1.5 Hours: 2-1
Applied Issues in Journalism
 An exploration of contemporary topics and techniques in journalism and the media.
Note: Credit will be granted for only one of 321, 317, if taken in 1998W or 1999W. May be repeated once in different topics.
Prerequisites: Second-year standing.

WRIT 329	Units: 1.5	Hours: 3-0
International Film Writing		
A lecture course surveying film writing in a representative group of films.		
Prerequisites: Second-year standing.		
WRIT 330	Units: 1.5	Hours: 3-0
Media and Culture		
A lecture course surveying theories and controversies in mass media and popular culture from a writer's perspective.		
Note: May be repeated once with different content and permission of the department.		
Prerequisites: Second-year standing.		
WRIT 331	Units: 1.5	Hours: 3-0
Formerly: 231		
A Study of Narrative		
A lecture course that studies the elements of narrative and how it can play an essential role not only in fiction and drama, but also in poetry and creative nonfiction.		
Note: Credit will be granted for only one of 331, 231.		
Prerequisites: Second-year standing.		
WRIT 335	Units: 1.5	Hours: 3-0
Forms and Techniques in Short Creative Nonfiction		
A lecture course surveying short forms of creative nonfiction.		
Prerequisites: Second-year standing.		
WRIT 336	Units: 1.5	Hours: 3-0
Forms and Techniques in Long Creative Nonfiction		
A lecture course surveying long forms of creative nonfiction.		
Prerequisites: Second-year standing.		
WRIT 340	Units: 1.5	Hours: 3-0
Formerly: 240		
Elements of Style		
A lecture course exploring the effective use of stylistic elements in literary writing of all genres.		
Note: Credit will be granted for only one of 340, 240.		
Prerequisites: 100 with a minimum of B and second-year standing or for PW students 215, 216 with a minimum GPA of 6.0 (B+ average).		
WRIT 350	Units: 1.5	Hours: 3-0
Formerly: 200		
The Theory and Practice of Literary Creation		
A lecture course surveying the nature of the creative process.		
Note: Credit will be granted for only one of 350, 200.		
Prerequisites: Second-year standing.		
WRIT 353	Units: 1.5	Hours: 3-0
Formerly: 230		
Writing a Sense of Place		
A lecture course surveying writers who have made the natural world and a sense of place strong elements in one or more works.		
Note: Credit will be granted for only one of 353, 230.		
Prerequisites: Second-year standing.		
WRIT 390	Units: 3.0	
Directed Studies in Writing		
Granted under special circumstances only.		
Under the supervision of a full-time faculty member and with the approval of the Chair of the department for work which can not be completed as part of a regular course.		
Note: Credit will be granted for only one of 390, CW 390.		

Prerequisites: 4.5 units of workshop credit, third- or fourth-year standing, an A average in the area of specialization, and permission of the department.

WRIT 391 Units: 1.5
Directed Studies in Writing

Granted under special circumstances only.

Under the supervision of a full-time faculty member and with the approval of the Chair of the department for work which can not be completed as part of a regular course.

Note: Credit will be granted for only one of 391, CW 391.

Prerequisites: 4.5 units of workshop credit, third- or fourth-year standing, an A average in the area of specialization and permission of the department.

WRIT 400 Units: 1.5 Hours: 1-2
Special Genres Workshop/Seminars

A workshop/seminar that will focus exclusively on a particular sub-genre, such as the prose poem, docu-drama, dystopian fiction, lyric novel, or radio play.

Note: May be repeated once in different topics. Class size is limited.

Prerequisites: 3 units of 303, 304, 305, 316 and permission of the department.

WRIT 401 Units: 1.5 Hours: 0-3
Advanced Poetry Workshop

A workshop in which the students are instructed in the writing of poetry.

Note: May be repeated once. Normally class size is limited.

Prerequisites: 3 units of 303 or equivalent.

WRIT 402 Units: 1.5 Hours: 0-3
Advanced Fiction Workshop

A workshop in which the students are instructed in the writing of fiction.

Note: May be repeated once. Normally class size is limited.

Prerequisites: 3 units of 304 or equivalent.

WRIT 403 Units: 1.5 Hours: 0-3
Advanced Drama Workshop

A workshop in which students are instructed in the writing for stage and screen.

Note: May be repeated once. Normally class size is limited.

Prerequisites: 3 units of 305 or equivalent.

WRIT 405 Units: 1.5 Hours: 1-2
Multi-Genre Workshop

A seminar and workshop concentrating on the prose poem, dramatic monologue, the personal essay and short-short fiction.

Prerequisites: 3 units from any 300-level workshop.

WRIT 406 Units: 1.5 Hours: 1-2
Writing for Children and Young Adults

This workshop/seminar course will familiarize students with writing for children and young adults.

Prerequisites: Third-year standing.

WRIT 410 Units: 1.5 Hours: 3-0
Special Genres Lecture

An examination of craft in a particular genre, such as nature writing, travel narrative, the prose poem or children's literature.

Note: May be repeated once in different topics.

Prerequisites: Second-year standing.

WRIT 412 Units: 1.5 Hours: 2-1
Recurrent Themes in Film

A lecture/seminar teaching the craft of writing about film through study of selected directors, film trends, and national cinemas.

Note: May be repeated once in different topics.

Prerequisites: Second-year standing.

WRIT 416 Units: 1.5 Hours: 0-3
Advanced Creative Nonfiction Workshop

A workshop in which the students are instructed in the writing of creative nonfiction.

Note: May be repeated once. Normally class size is limited.

Prerequisites: 3 units of 316.

WRIT 420 Units: 1.5 Hours: 0-3
Film Writing and Production Workshop

An advanced workshop in narrative film writing and the techniques of film production. Focuses on script analysis, screen-directing technique and film production.

Prerequisites: 320.

WRIT 440 Units: 1.5 Hours: 3-0
The Writing Business

A lecture course that prepares students for careers as writers.

Prerequisites: Third-year standing.

WRIT 490 Units: 3.0
Directed Studies in Writing

Granted under special circumstances only.

Under the supervision of a full-time faculty member and with the approval of the Chair of the department for work which can not be completed as part of a regular course.

Note: Credit will be granted for only one of 490, CW 490.

Prerequisites: 7.5 units of workshop credit, third- or fourth-year standing, an A average in the area of specialization and permission of the department.

WRIT 491 Units: 1.5
Directed Studies in Writing

Granted under special circumstances only.

Under the supervision of a full-time faculty member and with the approval of the Chair of the department for work which can not be completed as part of a regular course.

Note: Credit will be granted for only one of 491, CW 491.

Prerequisites: 7.5 units of workshop credit, third- or fourth-year standing, an A average in the area of specialization and permission of the department.

WS

Women's Studies Department of Women's Studies Faculty of Humanities

WS 104 Units: 1.5 Hours: 3-0
Introduction to Women's Studies

Considers the way gender (i.e., our idea of what it is to be a "real" woman or man) is constructed across class, race/ethnicity, sexualities, (dis)ability, age and geographical location. Examines diverse spaces of human experience including popular culture, language and work. Also focuses on ways in which feminist activism has empowered individuals to fight for social justice.

Note: Not open to fourth-year students without permission of the department.

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WS 203 Units: 1.5 Hours: 3-0 Popular Culture

Introduces North American popular culture. Variable topics include theories and practices of representation, anti-feminist productions of "woman" and popular culture as a site of feminist resistance.

Prerequisites: One of 102, 103, 104, 110; or permission of the department.

WS 204 Units: 1.5 Hours: 3-0 Fast Feminisms: Past and Present

Introduces feminist theory. Highlights predominant historical and philosophical influences on and debates within feminism from the mid-20th century to the contemporary.

Prerequisites: One of 102, 103, 104, 110; or permission of the department.

WS 205 Units: 1.5 Hours: 3-0 Women, Food and Culture

A feminist study of women and foodways - the beliefs and behaviours associated with the production, distribution, preparation and consumption of food. Topics may include: the symbolism and uses of food in particular cultural settings; connections between women and food in a globalized, North American food system; representations of gendered foodways in literature and film; health, food and disordered eating; the place of commensality in community-building.

Prerequisites: One of 102, 103, 104, 110; or permission of the department.

WS 206 Units: 1.5 Hours: 3-0 Globalization and Resistance

Inquiry into the implications of the complicated spread of global interdependence in political, economic, and cultural arenas for women's lived experiences. Also explores women's challenges to economic re-structuring, poverty, militarization, human rights abuses, and the rise of rigid, masculinized ideas of national sovereignty.

Note: Credit will be granted for only one of 206, 312.

Prerequisites: One of 102, 103, 104, 110; or permission of the department.

WS 207 Units: 1.5 Hours: 3-0 Formerly: 102 Indigenous Women in Canada

Examines the ways in which Indigenous women have experienced and resisted the process of colonization in the past and present.

Note: Credit will be granted for only one of 207, 102.

Prerequisites: One of 103, 104, 110; or permission of the department.

WS 219 Units: 1.5 Hours: 3-0 Topics in Women's Studies

Variable content course on aspects of Women's Studies.

Note: May be taken more than once in different topics.

Prerequisites: One of 102, 103, 104, 110; or permission of the department.

WS 311 Units: 1.5 Hours: 3-0 Sex Work, Trafficking and Human Rights

Within the context of the global economy, examines current debates about sex work as well as transnational migration and trafficking of women into various sites, including the sex industry. Two foci are the complex interface of race, class, gender and sexuality in the international division of labour, as well as policy and grassroots responses to these phenomena at the national and international levels.

Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the department.

WS 314 Units: 1.5 Hours: 3-0 Women, Race and Empire

Introduction to the complex and often problematic relationship between women, race, and colonialism. Examines issues such as the implication of race and sex in European imperialism, the problematic positioning of white women in empire and the possibility of creating a post-colonial space for feminism. Although the broad sweep of European imperial power will be acknowledged, there will be a special focus on British imperialism in India. Considers political, literary, and filmic perspectives.

Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the department.

WS 315 Units: 1.5 Hours: 3-0 Gender and International Human Rights

An interdisciplinary examination of the ways in which international human rights theories, organizations, laws, and practice are gendered, racialized, sexualized, and class based, and their effects on freedom, equality, and dignity in the international system. Analyzes the history and development of ideas/definitions of "rights" and how feminists have challenged these definitions. Emphasizes the interconnectedness of the global and local through a multitude of topics, including culture, human security, civil and political liberties, and labour rights.

Note: Credit will be granted for only one of 315, 319 (if taken in the same topic).

Prerequisites: Second-year standing or permission of the department.

WS 316 Units: 1.5 Hours: 3-0 Gender and International Development

Examines the evolution of feminist responses to and critiques of mainstream development policies and theories of international development as practiced by international organizations such as the World Bank, the International Monetary Fund, and the United Nations. Topics may include the environment, health, education, poverty, and empowerment strategies.

Note: Credit will be granted for only one of 316, 319 (if taken in the same topic).

Prerequisites: Second-year standing or permission of the department.

WS 319 Units: 1.5 Hours: 3-0 Topics in Economics, States and Global Issues

Variable content course on aspects of economics, states and global issues as they pertain to women's lives.

Note: No limit to number of credits if taken in different topics.

Prerequisites: Second-year standing or permission of the department.

WS 321A Units: 1.5 Hours: 3-0 Topics in Queer Theory

Introduces queer theory. Topics may include identity politics, practice, class and culture.

Note: May be taken more than once for credit in different topics with permission of the department.

Prerequisites: Second-year standing or permission of the department.

WS 322 Units: 1.5 Hours: 3-0 Women, Law and Resistance: Historical Perspectives

Focusing mainly on North America, examines the historical relationship between women and the changing regulatory practices of the state and the criminal justice system. Places special emphasis on exploring how these regulatory practices and women's resistances to them were shaped by gender, class, race, ethnicity and sexuality.

Prerequisites: Second-year standing or permission of the department.

WS 323 Units: 1.5 Hours: 3-0 Topics in Women's Health

Variable content course on aspects of health issues as they pertain to women's lives.

Note: May be taken more than once in different topics.

Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the department.

WS 325 Units: 1.5 Hours: 3-0 Women in Contemporary India

Explores the history of the Indian women's movement (with emphasis on women's participation in the Indian national liberation struggle) and contemporary issues that define Indian feminism. Cultural critique of the manner in which Indian women have been studied and represented in the West will form the context of such exploration.

Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the department.

WS 326 Units: 1.5 Hours: 3-0 Gender, Nation and War

Examines how the social construction of gender has influenced ideas of nation. Focuses on two main issues. One, the relations between culturally endorsed concepts of masculinity and femininity, nation, and female participation in nationalist politics. Two, the manner in which the link between gender and nation has, in certain contexts, supported war and warriorhood.

Prerequisites: Second-year standing or permission of the department.

WS 329 Units: 1.5 Hours: 3-0 Topics in Power, Identities and Difference

Variable content course on aspects of power, identities and differences as they pertain to women's lives.

Note: No limit to number of credits if taken in different topics.

Prerequisites: Second-year standing or permission of the department.

WS 332A Units: 1.5 Hours: 3-0 Monstrous Women

Exposes students to various theories of monstrosity and uses such knowledge to analyze and map the North American production of multiple women as monstrous.

Prerequisites: Second-year standing or permission of the department.

WS 334 Units: 1.5 Hours: 3-0 What's Race Got To Do With It? Theories of Race, Racism and Racialization

An exploration of feminist and non-feminist theories of race, racism and racialization in relation to other sources of structured social inequality. Approaches will include political, economic, cultural and psycho-analytic theories.

Note: Recommended preparation for 336, Anti-Racist Feminisms and Democratic Futures.

Prerequisites: Second-year standing or permission of the department.

WS 335A Units: 3.0 Hours: 3-0 Applied Principles and Practices in Feminist Participatory Research (FPAR)

Covers principles, intellectual histories, ethics, debates and selected participatory research methods in FPAR. Focuses on youth engagement in research.

Note: Credit will be granted for only one of 335A, 339 (if taken in the same topic).

Prerequisites: Third-year standing or permission of the department.

WS 336 Units: 1.5 Hours: 3-0
Formerly: 331

Anti-Racist Feminisms and Democratic Futures

Introduces students to emerging debates in the growing literature on anti-racist feminism. Examines key assumptions underlying feminism and feminist anti-racist discourses. Analyzes western feminism as theory and practice by situating it within a global and historical context. Beginning with an analysis of whiteness, binarisms, colonialisms and orientalisms, challenges students to consider the theory and practice needed for a feminist, anti-racist reimagining of democracy and democratic futures.

Note: Credit will be granted for only one of 336, 331.

Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the department.

WS 337 Units: 1.5 Hours: 3-0
The Body

Investigates 'the body' as a social construct. Specific consideration is given to both modern and postmodern bodies and how productions of specific bodies result in particular effects.

Prerequisites: Second-year standing or permission of the department.

WS 338 Units: 1.5 Hours: 3-0
Transnational Feminist Theories

Seminar examines the emerging field of transnational feminist thought by introducing students to feminist approaches to understanding transnationalisms. Uses an interdisciplinary approach to explore: global/local interactions, migration and territorialization, women's activism and organizing, nationalisms and citizenship, hybrid subjects and subjectivity formation, transnational and postmodern cultural formations, and transnational political economies and globalization.

Prerequisites: Third-year standing or permission of the department.

WS 339 Units: 1.5 Hours: 3-0
Topics in Feminist Theories and Activism

Variable content course on aspects of feminist theories and activism as they pertain to women's lives.

Note: No limit to number of credits if taken in different topics.

Prerequisites: Second-year standing or permission of the department.

WS 340 Units: 1.5 Hours: 3-0
Indigenous Cinema

Intensive analysis of the work of Indigenous filmmakers with emphasis on Canada and the US. Topics include: de-colonizing the screen; identity, community and representation; the ethics or image-making; Indigenous women's filmmaking; Indigenous filmmaking as both an art form and a tool for social change. Examines the development of Indigenous cinema in Canada with special emphasis on documentaries, and looks at new directions in Indigenous cinema including experimental works and drama.

Prerequisites: Second-year standing or permission of the department.

WS 341 Units: 1.5 Hours: 3-0
Narrated Lives: Indigenous Women's Auto/Biographies

Explores Indigenous women's auto/biography as a creative form of expression that draws upon both the Indigenous oral tradition and the written tradition of Euro-American autobiography. Looks at a range of Indigenous women's autobiographical texts created under a variety of circumstances, from life histories narrated by Indigenous women and 'mediated' by non-Native recorder-editors, to contemporary texts written by Native women themselves that challenge the boundaries of conventional autobiography.

Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the department.

WS 343 Units: 1.5 Hours: 3-0
Topics in Irish Women's Studies

Variable content course on aspects of women's lives in Ireland.

Fiction, poetry, art, film and the political essay are cultural forms contemporary Irish women use to change their lives and their societies. Examines examples from each genre in order to understand prominent issues and preoccupations of women in the Republic of Ireland and Northern Ireland.

Note: No limit to number of credits if taken in different topics.

Prerequisites: Second-year standing or permission of the department.

WS 344 Units: 1.5 Hours: 3-0
Reimagining History in Contemporary Women's Fiction

Study of contemporary Canadian and American novels that revise or resist the dominant historical narratives central to nation-building. Each of the texts focuses on subaltern characters and forgotten events as a way of exploring the effects of colonialism, forced migration, war, racism, poverty, heteronormativity, religious intolerance, gender violence. Novels will be studied within the context of pertinent historical readings, films or lectures.

Prerequisites: Second-year standing or permission of the department.

WS 345 Units: 1.5 Hours: 3-0
Lesbian and Queer Literature

A survey of lesbian and queer literature. Particular focus on intersections of sexuality, gender and class.

Prerequisites: Second-year standing or permission of the instructor.

WS 349 Units: 1.5 Hours: 3-0
Topics in Film, Literature and Cultural Production

Variable content course on aspects of film, literature and cultural production as they pertain to women's lives.

Note: No limit to number of credits if taken in different topics.

Prerequisites: Second-year standing or permission of the department.

WS 400A Units: 1.5 Hours: 3-0
Feminist Research Practices

Study and practice of feminist research methods.

Prerequisites: Any one of 202, 203, 204, 205, 206, 207, 210, 219, plus any three upper-level WS courses; or permission of the department.

WS 400B Units: 1.5 Hours: 3-0
Research Seminar for Independent Project

Building on project begun in 400A, students meet weekly to discuss research challenges.

Note: Open to Women's Studies Major students only.

Prerequisites: 400A.

WS 430 Units: 1.5 Hours: 3-0
Formerly: WS 330A
Theorizing Feminisms

Examines debates on experience, knowledge and power within feminist theory and political strategy. Emphasis on critical thinking and issues central to the intellectual history of feminist knowledge production.

Note: Credit will be granted for only one of 330A or 430.

Prerequisites: Any one of 202, 203, 204, 205, 206, 207, 210, 219, plus any three upper-level WS courses; or permission of the department.

WS 450 Units: 3.0 Hours: 3-0
Practising Feminism in the Field

The application of feminist theory to field-based practice acquired through placement with an organization, community group or service. Please refer to "Guidelines for Ethical Conduct" and the "Regulations Concerning Practica" on page 141.

Note: Open only to Women's Studies Major or Honours students. Admission by permission of the department. Students must notify the department by April 30 in the previous academic year of their intention to register.

Prerequisites: Any one of 202, 203, 204, 205, 206, 207, 210, 219, plus any three upper-level WS courses; or permission of the department.

WS 480 Units: 1.5 Hours: 3-0
Advanced Seminar in Women's Studies

Selected aspects of Women's Studies.

Note: May be taken more than once for credit in different topics with permission of the department.

Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 219; minimum of 6 units of upper-level WS credit; or permission of the department.

WS 490 Units: 1.5 Hours: 3-0
Directed Studies

Supervised study in an area of Women's Studies to be determined by the student and the instructor.

Note: Open only to Women's Studies Honours or Major students with a minimum average GPA of 6.0 in upper-level WS courses. May be taken more than once for credit in different topics to a maximum of 3 units with permission of the department.

Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 219; minimum of 6 units of upper-level WS credit; or permission of the department.

WS 499 Units: 3.0 Hours: 3-0
Honours Graduating Essay

During the final year of the Honours Program, students will write a graduating essay of approximately 15,000 words under the direction of a member of the Women's Studies Department. Between September and April students are required to meet periodically as a group to discuss research challenges.

Note: Students must have their topic approved by the thesis adviser by June 30 prior to the fall term of their 499 registration. See regulations for acceptance into Women's Studies Honours Program.

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The University of Victoria



Generic Goals of a University Education

Higher Learning

Higher learning develops comprehension and appreciation of human knowledge and creative expression in their diverse manifestations and cultural contexts. Such development takes place both within and across specific disciplines.

Habits of Thought

Higher learning encourages habits of analytical, critical and strategic thought. These habits are characterized by respect for facts, ethical awareness and wise judgement in human affairs.

Discovery and Creativity

Higher learning stimulates discovery and creativity in scholarly, scientific, artistic and professional activity. This stimulus drives the acquisition of knowledge and its dissemination to others.

Forms of Communication

Transmission of knowledge to others assumes lucid and coherent communication, in both traditional and innovative forms, in an atmosphere of mutual respect. Modes of expression may include the written, oral, auditory, visual and digital.

Extended Learning

Learning is the work of a lifetime. University education generates the desire for further growth while providing a field of intellectual and practical opportunities for later fulfillment.

Historical Outline

The University of Victoria came into being on July 1, 1963, but it had enjoyed a prior tradition as Victoria College of sixty years distinguished teaching at the university level. This sixty years of history may be viewed conveniently in three distinct stages.

Between the years 1903 and 1915, Victoria College was affiliated with McGill University, offering first- and second-year McGill courses in Arts and Science. Administered locally by the Victoria School Board, the College was an adjunct to Victoria High School and shared its facilities. Both institutions were under the direction of a single Principal: E.B. Paul, 1903-1908; and S.J. Willis, 1908-1915. The opening in 1915 of the University of British Columbia, established by Act of Legislature in 1908, obliged the College to suspend operations in higher education in Victoria.

In 1920, as a result of local demands, Victoria College began the second stage of its development, reborn in affiliation with the University of British Columbia. Though still administered by the Victoria School Board, the College was now completely separated from Victoria High School, moving in 1921 into the magnificent Dunsmuir mansion known as Craigdarroch. Here, under Principals E.B. Paul and P.H. Elliott, Victoria College built a reputation over the next two decades for thorough and scholarly instruction in first- and second-year Arts and Science.

The final stage, between the years 1945 and 1963, saw the transition from two year college to university, under Principals J.M. Ewing and W.H. Hickman. During this period, the College was governed by the Victoria College Council, representative of the parent University of British Columbia, the Greater Victoria School Board, and the provincial Department of Education. Physical changes were many. In 1946 the College was forced by post-war enrolment to move from Craigdarroch to the Lansdowne campus of the Provincial Normal School. The Normal School, itself an institution with a long and honourable history, joined Victoria College in 1956 as its Faculty of Education. Late in this transitional period (through the co-operation of the Department of National Defence and the Hudson's Bay Company) the 284 (now 385) acre campus at Gordon Head was acquired. Academic expansion was rapid after 1956, until in 1961 the College, still in affiliation with UBC awarded its first bachelor's degrees.

In granting autonomy to the University of Victoria, the *University Act* of 1963 vested administrative authority in a Chancellor elected by the Convocation of the University, a Board of Governors, and a President appointed by the Board; academic authority was given to a Senate which was representative both of the faculties and of the Convocation.

The historical traditions of the University are reflected in the Arms of the University, its academic regalia and its house flag. The BA hood is of solid red, a colour that recalls the early affiliation with McGill. The BSc hood, of gold, and the BEd hood, of blue, show the colours of the University of British Columbia. Blue and gold have been retained as the official colours of the University of Victoria. The motto at the top of the Arms of the University, in Hebrew characters, is "Let there be Light"; the motto at the bottom, in Latin, is "A Multitude of the Wise is the Health of the World."

Principal Officers and Governing Bodies

The following were the university's principal officers and members of its governing bodies as of January 1, 2010.

Chancellor

Murray Farmer, BA

President and Vice-Chancellor

David H. Turpin, BSc, PhD, FRSC

Vice-President Academic and Provost

Jamie L. Cassels, BA, LLB, LLM

Vice-President Research

J. Howard Brunt, BA, ADN, MScN, PhD

Vice-President Finance and Operations

Gayle Gorrill, BBA, CA, CBV

Vice-President External Relations

Valerie Kuehne, BScN, MEd, MA, PhD

Board of Governors

Ex Officio Members

Chancellor Murray Farmer, BA

President and Vice-Chancellor David H. Turpin, BSc, PhD, FRSC

Members Appointed by the Lieutenant Governor in Council

Raymond Protti, BA, MA (Chair)

Jane Butler McGregor, BA

John deC Evans, BComm

Tony Gage, BA, MBA, CFA

Robert Giroux, BCom, MSc, Hon LLD

Lydia Hwitsum, LLB

Susan Mehinagic, CA, LLB

Beverly Van Ruyven, BA

Members Elected by the Faculty Members

Eric Sager, BA, PhD

Barbara Whittington, BA, MSW

Members Elected by the Student Associations

Christine Comrie

Edward Pullman

Members Elected by and from full-time Employees of the University who are not Faculty Members

Christopher Petter

Secretary

Julia Eastman, BA, MA, PhD, University Secretary

Senate

Ex Officio Members

Chancellor, Murray Farmer, BA

President and Vice-Chancellor, David Turpin, BSc, PhD, FRSC (Chair)

V.P. Academic & Provost, Jamie Cassels, QC, BA, LLB, LLM

V.P. Research, Howard Brunt, BA, ADN, MScN, PhD

Dean of Business, Ali Dastmalchian, BSc, MSc, PhD

Dean of Education, Ted Riecken, BA, MEd, EdD

Dean of Engineering, Thomas Tiedje, BSc, MSc, PhD, PEng

Dean of Continuing Studies, Maureen MacDonald, BA, LLB, MBA, PhD

Dean of Fine Arts, Sarah Blackstone, BA, MA, PhD

Dean of Graduate Studies, Aaron Devor, BA, MA, PhD
 Dean of Humanities, Andrew Rippin, BA, MA, PhD, FRSC
 Dean of Human and Social Development, Mary Ellen Purkis, BSN, MSc, PhD
 Dean of Law, Donna Greschner, BCom, LLB, BCL
 Acting Dean of Science, Claire Cupples, BSc, MSc, PhD
 Dean of Social Sciences, Peter Keller, BA, MA, PhD
 University Librarian, Marnie Swanson, BA, BLS (Vice-Chair)

Members Elected by the Individual Faculties

Business

Jen Baggs, BA, MA, PhD
 Kenneth Thornicroft, LLB, PhD

Education

Mary Kennedy, BMus, MEd, PhD
 Alison Preece, BA, MA, PhD

Engineering

Micaela Serra, BSc, MSc, PhD
 Peter Wild, BAsC, PhD, PEng

Fine Arts

Patricia Kostek, BSc, MM
 Jan Wood, BFA

Graduate Studies

Pan Agathoklis, FEIC, PEng, DrScTechn
 John Dower, BSc, PhD

Human and Social Development

Gerhard Brauer, BA, MA, EdD
 Jeannine Moreau, BSN, MN

Humanities

Annalee Lepp, BA, MA, PhD
 Cedric Littlewood, BA, MA, DPhil

Law

Mark Gillen, BCom, MBA, LLB, LLM
 Robert Howell, LLB, LLM

Science

Jay Cullen, BSc, PhD
 Adam Monahan, BSc, MSc, PhD

Social Sciences

Margot Wilson, BA, MA, PhD
 Ian Walker, BSc, PhD

Members Elected by the Faculty Members

Robert Anthony, BA, MA, PhD
 Doug Baer, BES, MA, PhD
 Sikata Banerjee, BA, MA, PhD
 Sara Beam, BA, PhD
 Robert Burke, BSc, PhD
 Darlene Clover, BA, MES, PhD
 Gordon Fulton, BA, MA, PhD
 Lynda Gammon, BA, MFA
 Kathy Gillis, BSc, PhD
 Kathy Sanford, BEd, MEd, EdD
 Geraldine Van Gyn, BA, MSc, PhD
 Michael Webb, BA, MSc, PhD

Members Elected by the Student Association

Nadim Adatia
 Andrew Allen
 Sarah Amyot
 Abudi Awaysheh
 James Coccola
 Jennifer Comer
 David Foster
 Veronica Harrison
 Heather McKenzie
 Manpreet Sall
 Rajpreet Sall

Meghan Shannon
 Teresa Sims
 Curtis Smith
 Andrew Wade
 Leanne Wiltsie

Members Elected by the Convocation (Terms expire December 31, 2008)

Kathleen Barnes, BA
 Betty Clazie, BMus, BA, MA
 Larry Cross, BEd
 Gail Flitton, BA

Additional Members

Oscar Casiro, MD, FRCPC, Head, Division of Medical Sciences
 Rebecca Raworth, BA, ML, Elected by the Professional Librarians
 Susan M. Turner, BA, MA, PhD, MEd, Long Service Sessional

Secretary of Senate

Julia Eastman, BA, MA, PhD, University Secretary

By Invitation with Speaking Rights

James Dunsdon, BEd, MBA, Associate Vice-President Student Affairs
 Catherine Mateer, BA, MSc, PhD, Associate Vice-President Academic Planning
 Lauren Charlton, BA, DipED, Registrar
 Carrie Andersen, LLB, Associate University Secretary

FOUNDATION FOR THE UNIVERSITY OF VICTORIA

Members of the Board

John van Cuylenborg, BA, LLB (Vice-Chair)
 Gayle Gorill, BBA, CA, CBV
 Lisa Hill (Chair)
 Robert Miller, CA, BA
 Carolyn Thoms, CA, CFA

Officers

President: David H. Turpin, BSc, PhD, FRSC
 Treasurer: Murray Griffith, BA, CMA
 Secretary: Julia Eastman, BA, MA, PhD

UNIVERSITY OF VICTORIA FOUNDATION

Members of the Board

Gayle Gorill, BBA, CA, CBV (ex officio)
 Lisa Hill (Chair)
 Fiona Hunter, BA, LLB, LLM
 Robert Miller, CA, BA
 Michael Mills, FIA, FCIA
 André Rachert, BA, MA, LLB
 Carolyn Thoms, CA, CFA
 President David H. Turpin, BSc, PhD, FRSC (ex officio)
 John van Cuylenborg, BA, LLB (Vice-Chair)
 Richard Weech, CA, CFA

Officers

President: Shannon von Kaldenberg
 Treasurer: Kristi Simpson, BA, CA
 Secretary: Julia Eastman, BA, MA, PhD

Faculty and Staff Emeritus and Honorary Degree Recipients

Chancellors Emeritus

Ronald Lou-Poy, CM, QC, BCom, LLB, Hon LLD
 William Gibson, BA, MSc, MD, DPhil, LLD, FRCP
 Ian McTaggart-Cowan, OC, BA, PhD, LLD, DEnvSt, DSc, FRSC
 Norma Mickelson, CM, OBC, BEd, MA, PhD
 The Honourable Robert Rogers, OC, KStJ, CD, OBC, Hon LLD (S Fraser), Hon DScM (RRMC), Hon LLD (UVic), Hon LLD (Brit Col)

Presidents Emeritus

Howard E. Petch, BSc, MSc, PhD, DSc, LLD, FRSC
David Strong, BSc, MSc, PhD, FRSC

Faculty, Senior Instructors and Librarians Emeritus 2009-2010

Eden, Genevieve, BA, MIR, PhD (Tor)
Harvey, Brian, BA (Bran), MA, PhD (Ohio St)
Mayfield, Margie, BA (Macalester Coll), MA, PhD (Minn)
Rossi, Elena, BA (Vassar), MA, PhD (Tor)
Rowlatt, Don, BCom (Saskatchewan), MA, PhD (Princeton)
Wilson, Jeremy, BA, MA (Alta), PhD (Brit Col)

Honorary Degree Recipients 2009

Audain, Michael, LLD, November 2009
Berry, Edward, LLD, June 2009
Campbell, Alex A., LLD, November 2009
Lockyer, James, LLD, November 2009
MacDonald, Rebecca, LLD, June 2009
Mehta, Deepa, LLD, November 2009
Nash, Steve, LLD, September 2009
Stewart Smith, A.J., DSc, June 2009
Strangway, David, DSc, June 2009

University Regalia**Chancellor**

Gown purple corded silk, trimmed with purple velvet and gold braid

Headdress Tudor style in purple velvet with gold cord trim

President

Gown royal blue corded silk, trimmed with blue velvet and gold braid

Headdress Tudor style in blue velvet with gold cord trim

Chancellor Emeritus

Gown purple corded silk, with gold velvet panels and trimmed with purple velvet strips edged with gold piping

Headdress Tudor style in purple velvet with gold cord trim

President Emeritus

Gown royal blue corded silk, with gold velvet panels and trimmed with blue velvet strips edged with red piping

Headdress Tudor style in blue velvet with gold cord trim

Board of Governors**Chair**

Gown traditional (Canadian) bachelor's style in black wool blend with front facings and sleeve linings in gold silk

Headdress Black cloth mortarboard with black silk tassel or Tudor style in black velvet with gold cord

Member

Headdress and gown as above, but with front facings in black

Honorary Doctorate of Laws (Hon LLD)

Gown Cambridge (Doctor of Music) pattern, scarlet wool broad-cloth, trimmed with blue-purple silk taffeta

Hood Aberdeen pattern, outside shell of scarlet wool broad-cloth, lined with blue-purple silk taffeta

Headdress Tudor style in black velvet with red cord trim

Honorary Doctorate

Gown Cambridge (Doctor of Music) pattern, scarlet wool, front facings and sleeve lining of black silk taffeta

Hood

Aberdeen pattern, outside shell of black wool, lined with silk taffeta in a solid colour with a one inch band of black velvet on the outside edge

- HonDLitt: white
- HonDMus: pink
- HonDEd: blue
- HonDSc: gold
- HonDEng: orange
- HonDSN: apricot
- HonDFA: green

Headdress

Tudor style in black velvet with red cord trim

Bachelors**Gown**

traditional (Canadian) bachelor's style, in black

Hood

Aberdeen pattern (BA, BSc, and BEd, without neckband and finished with two cord rosettes; all others with mitred neckpiece), outside shell of silk taffeta in a solid colour, lined with identical material. Faculty colours are as follows:

- BA: scarlet
- BFA: green
- BCom: burgundy
- BMus: pink
- BSc: gold
- BSN: apricot
- BEd: blue
- BSW: citron
- BCYC: turquoise
- BEng: orange
- BSEng: pale yellow
- LLB: blue-purple

Headdress

standard black cloth mortarboard with black silk tassel

Masters**Gown**

traditional (Canadian) Master's style in black.

Hood

similar in design and colour to the respective bachelor's hoods, but with mitred neckpiece and a narrow band of black velvet one inch from edge of hood on the outside only. Others are:

- MASc: orange
- MPA: russet

Headdress

standard black cloth mortarboard with black silk tassel

Doctors**Gown**

Cambridge style, black silk, front facings and sleeve linings of scarlet silk

Hood

Oxford Doctor's Burgon shape, shell of scarlet silk, lined with blue silk, border of gold silk

Headdress

black velvet mortarboard with red tassel fastened on left side

NOTE: On ceremonial occasions, participants without degrees wear the standard black undergraduate cap and gown as described above for bachelors.

Statistics

See <www.inst.uvic.ca> for more information.

Graduate Degrees Awarded			
	2008-09		2009-10
	Fall	Spring	Fall
Master of Laws (LLM)	1	1	3
Master of Arts (MA)	68	65	83
Master of Applied Science (MASc)	13	10	15
Master of Business Administration (MBA)	4	47	5
Master of Education (MEd)	67	49	59
Master of Engineering (MEng)	1	1	1
Master of Fine Arts (MFA)	1	7	2
Master of Music (MMus)		6	1
Master of Nursing (MN)	20	9	33
Master of Public Administration (MPA)	14	43	15
Master of Science (MSc)	35	56	47
Master of Social Work (MSW)	1	2	1
Doctor of Philosophy (PHD)	27	51	31
Professional Specialization Certificate (PSC)	25		22
Total	277	347	318

Undergraduate Degrees Awarded			
	2008-09		2009-10
	Fall	Spring	Fall
Bachelor of Arts (BA)	306	928	296
Bachelor of Commerce (BCOM)	152	55	155
Bachelor of Child and Youth Care (BCYC)		43	31
Bachelor of Education (BEd)	19	194	13
Bachelor of Engineering (BEng)	62	88	47
Bachelor of Fine Arts (BFA)	23	88	9
Bachelor of Music (BMus)	4	31	4
Bachelor of Science (BSc)	161	574	139
Bachelor of Software Engineering (BSEng)	8	7	5
Bachelor of Science in Nursing (BSN)	60	226	63
Bachelor of Social Work (BSW)	49	86	48
Certificate	7	14	5
Diploma	15	30	19
Bachelor of Laws (LLB)	9	115	10
Professional Specialization Certificate (PSC)	6	13	8
Total	881	2,492	852

University of Victoria Headcount					
Faculties	2008-09			2009-10	
	Summer	Fall	Spring	Summer	Fall
Undergraduate Programs Enrolments					
Faculty of Business	422	754	631	470	880
Faculty of Education	353	953	898	266	1,065
Faculty of Engineering	817	1,195	1,167	777	1,266
Faculty of Fine Arts	352	1,274	1,200	379	1,292
Faculty of Human and Social Development	934	1,369	1,612	984	1,468
Faculty of Humanities	709	2,600	2,585	706	2,625
Faculty of Law	101	388	361	119	381
Faculty of Science	906	2,738	2,630	945	2,822
Faculty of Social Sciences	1,605	4,458	4,322	1,609	4,587
Medical Sciences	—	110	113	84	89
Total Undergraduate Programs	6,200	15,839	15,519	6,340	16,475
Graduate Studies Enrolments					
Faculty of Business	121	115	114	118	108
Faculty of Education	417	433	432	477	444
Faculty of Engineering	282	321	313	309	361
Faculty of Fine Arts	45	92	93	67	102
Faculty of Human and Social Development	418	578	577	524	689
Faculty of Humanities	159	228	219	195	266
Faculty of Law	23	33	32	26	36
Faculty of Science	313	349	340	324	375
Faculty of Social Sciences	281	387	375	335	466
Interdisciplinary Studies	1	0	0	0	1
No Faculty Designated	47	57	27	11	10
Total Graduate Studies	2,107	2,593	2,522	2,386	2,858

New to UVic Student Origin					
Origin	2008-09			2009-10	
	Summer	Fall	Spring	Summer	Fall
Alberta	45	518	70	40	547
British Columbia	196	2,916	491	195	3,101
Manitoba	4	31	4	5	57
New Brunswick	5	19	—	3	22
Newfoundland and Labrador	3	15	7	5	12
Nova Scotia	7	33	6	8	45
Northwest Territories	—	7	6	—	6
Nunavut	—	1	—	—	—
Ontario	47	265	66	45	337
Prince Edward Island	1	3	—	4	6
Quebec	6	47	22	9	66
Saskatchewan	9	31	12	5	47
Yukon	—	17	2	1	13
Subtotal Canada	323	3,903	686	320	4,259
Other Countries	17	122	26	46	182
Unknown	115	687	142	114	468
Total	455	4,712	854	480	4,909



Key Contacts at UVic

EXECUTIVE AND ADMINISTRATIVE OFFICERS

	Fax	Phone
President:		
Dr. David H. Turpin	250-721-8654	250-721-7002
Chancellor:		
Mr. Murray Farmer	250-721-6223	250-721-8101
Chair, Board of Governors:		
Mr. Ray Protti	250-721-6223	250-721-8101
University Secretary and Secretary, Board of Governors and Senate:		
Dr. Julia Eastman	250-721-6223	250-721-8101
Vice-President Academic and Provost:		
Prof. Jamie Cassels	250-721-7216	250-721-7010
Vice-President Finance and Operations:		
Ms. Gayle Gorrill	250-721-6677	250-721-7018
Vice-President Research:		
Dr. J. Howard Brunt	250-472-5477	250-721-7973
Vice-President External Relations:		
Dr. Valerie Kuehne	250-472-5477	250-472-5474
Associate Vice-President Academic:		
Dr. Jim Anglin	250-721-7216	250-721-6421
Associate Vice-President Academic Planning:		
Dr. Catherine Mater	250-721-7216	250-721-7012
Associate Vice-President Faculty Relations and Academic Administration:		
Prof. Kim Hart Wensley	250-721-7216	250-472-4611
Associate Vice-President Research:		
Dr. Afzal Suleman	250-472-5477	250-721-7971
Associate Vice President Students Affairs:		
Mr. James Dunsdon	250-721-6610	250-721-6421
Registrar:		
Ms. Lauren Charlton	250-721-6225	250-472-4602
Director, Enrolment Services and Marketing:		
Mr. Justin Kohlman	250-721-6225	250-721-8951
Director, Equity and Human Rights:		
Ms. Cindy Player	250-721-8570	250-721-8488
Office of Indigenous Affairs:		
Director, Fran Hunt-Jinnouchi	250-472-4952	250-721-6326
Dean of Continuing Studies:		
Dr. Maureen M. MacDonald	250-472-4358	250-721-8456
University Librarian:		
Ms. Marnie Swanson	250-721-8215	250-721-8211

ACADEMIC ADVISING

	Fax	Phone
Humanities, Science and Social Sciences Advising Centre:		
Dr. Timothy S. Haskett, Director	250-472-5145	250-721-7567
Faculty of Business		
BCom Program	250-721-7066	250-472-4728
MBA Program	250-721-7066	250-721-6075
PhD Program	250-721-6067	250-721-6060
MGB Program	250-721-7066	250-721-6433
Faculty of Education Advising Centre		
BEd Programs	250-721-7767	250-721-7877
BA and BSc Programs	250-721-6601	250-721-6554
Continuing Studies in Education:		
Roger Howden, Director	250-721-6603	250-721-7871
Faculty of Engineering:		
BEng Programs	250-472-5323	250-472-5322
BSEng Program		250-721-6023
CSc Advising: Jane Guy		250-472-5757
Fine Arts Advising Centre: Mrs. Anne Heintz	250-721-7748	250-472-5165
Graduate Advising: Refer to particular academic department		
Faculty of Law:		
Ms. Janet Person, Law Admissions Officer	250-721-6390	250-721-8151
Ms. Dawn Zacour, Law Admissions and Financial Aid Officer	250-721-6390	250-721-8166
Dr. Judy Fudge, Director, Graduate Program	250-721-8146	250-721-8913

Island Medical Program: Ms. Christine Wood	250-472-5505	250-472-5527
Nursing: Ms. Joan Gillie	250-721-6231	250-721-7961
Health Information Science	250-472-4751	250-721-8576

UNIVERSITY SERVICES

	Fax	Phone
Accounting Services:		
Mr. Murray Griffith, Executive Director	250-721-6221	250-721-7029
Audiovisual Services	250-721-8778	250-721-8242
Alumni Services:		
Mr. Don Jones, Director	250-721-6265	250-721-6000
University Archivist:		
Ms. Lara Wilson	250-721-8215	250-472-4480
Athletics and Recreation:		
Mr. Clint Hamilton, Director	250-721-8956	250-721-8409
Bookstore:		
Mr. Jim Forbes, Director	250-721-8553	250-721-8310
Child Care Services:		
Mr. Jack Lalonde, Manager	250-721-6591	250-721-6656
Client Technologies:		
Mr. Lance Grant	250-721-8778	250-721-6399
Computer Assisted Learning Labs:		
Mr. Marc Thoma, Interim Manager	250-721-8778	250-472-4282
Computer Help Desk:		
Mr. Marcus Greenshields, Supervisor	250-721-8778	250-721-7687
Computer Store:		
Mr. Paul Frankson, Interim Supervisor	250-721-8124	250-721-8321
Continuing Studies	250-721-8774	250-472-4747
Continuing Studies Online Help Desk		250-721-8476
Co-operative Education Program and Career Services:		
Ms. Norah McRae, Executive Director	250-721-8996	250-721-8811
Counselling Services:		
Dr. Joseph A. Parsons, Manager	250-472-4443	250-721-8341
Development:		
Ms. Birgit Castledine, Director	250-721-8961	250-721-8755
Distance Education Services	250-721-8774	250-721-8454
Facilities Management:		
Mr. Thomas F. Smith, Executive Director	250-721-8999	250-721-7592
Family Centre:		
Ms. Elizabeth Quong, Director	250-472-4669	250-472-4062
Graduate Admissions and Records:		
Ms. Angela Katahan, Director	250-721-6225	250-721-7975
Graduate Students' Society	250-721-6137	250-472-4543
Health Services:		
Dr. William H. Dyson, Director	250-721-6224	250-721-8492
Housing, Food and Conference Services:		
Mr. Gavin Quiney, Director	250-721-8930	250-721-8395
Human Resources:		
Mr. Peter Sanderson, Associate Vice-President	250-721-8094	250-721-8031
Humanities, Computing, and Media Centre:		
Dr. Elizabeth Grove-White, Director		250-721-8294
Innovation and Development Corporation:		
Dr. Brent Sternig, President and CEO	250-721-6497	250-721-6500
Institutional Planning and Analysis:		
Mr. Tony Eder, Director	250-721-7213	250-721-8027
Interfaith Services	250-472-4443	250-721-8338
Internal Audit:		
Mr. Andrew Cartwright, Director	250-721-8985	250-721-7039
International Affairs Office:		
Dr. Jim Anglin, Director	250-721-6542	250-472-4644
International and Exchange Student Services:		
Mr. Pierre Laliberté, Manager	250-472-5440	250-721-6361
Learning Systems:		
Ms. Erica Price-Edney	250-721-6598	250-721-7671
Learning and Teaching Centre:		
Dr. Geraldine Van Gyn, Interim Director	250-721-6494	250-721-8571
Legacy Art Gallery and Café		
Ms. Christine Woychesko		250-381-7670
Libraries:		
Ms. Margaret Swanson	250-721-8215	250-721-8211
Maltwood Art Museum and Gallery:		
Prof. Martin Segger, Director	250-721-8997	250-721-8298
Network Services:		
Mr. Ron Kozsan	250-721-8778	250-472-4825

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Occupational Health, Safety & Environment department: Mr. Richard Piskor, Director	250-721-6359	250-721-8971
Purchasing Services: Mr. Ken S. Babich, Manager	250-721-8327	250-721-8326
Research Services: Dr. Rachael Scarth	250-721-8960	250-472-4362
Security Services: Mr. Pete Zacour, Director	250-721-6627	250-721-6107
Services for Students with Disabilities: Ms. Laurie Keenan, Coordinator	250-472-4443	250-472-4947
Student and Ancillary Services: c/o Rebecca Shaver	250-721-6610	250-721-8022
Student Awards and Financial Aid: Ms. Lori Nolt, Director	250-721-8757	250-721-8425
Student Recruitment: Mr. Bruno Rocca, Director	250-721-6225	250-721-8109
Students' Society Ombudsperson: Ms. Martine Conway	250-721-8357	
Summer Services: Mrs. Liliane Morgan, Coordinator	250-721-6225	250-721-8471
Telephone Services: Mr. John Verreault, Manager	250-721-8778	250-721-7409
Transition Programs: Ms. Susan Corner, Manager	250-472-5440	250-472-4678
Undergraduate Records: Ms. Lauren Charlton, Associate Registrar, Records and Registrarial Services	250-721-6225	250-721-8135
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UVic Marketing: Justin Kohlman, Director	250-721-8955	250-721-8951

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Dr. Michael Webb, Associate Dean	250-472-4583	250-853-3938

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DIRECTORS OF RESEARCH CENTRES AND INSTITUTES

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Avril Taylor (Co-Director)	250-721-8774	250-721-8747
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Mr. Brent Sternig	250-721-6497	250-472-4115
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Dr. Martin Taylor	250-472-5370	250-721-7231

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Department	Building	Location			
Aboriginal Health Research, Centre For	Saunders Annex	D-1	Humanities Computing & Media Centre	Clearihue	C-3
Accounting Services	Administrative Services	B-2	Indigenous Affairs Office	First Peoples House	C-3
Addictions Research BC, Centre For	Technology Enterprises Facility	C-3	Indigenous Governance Program	Human & Social Development	B-3
Admissions (Undergraduate, Graduate)	University Centre	C-3	Innovation & Development Corporation	Hut "R"	C-1
Admissions (Law)	Fraser	A-3	Institute For Coastal & Ocean Research	Technology Enterprise Facility	D-1
Advancement Services	Alumni House	E-4	Institutional Planning & Analysis	Administrative Services	B-2
Advising - Education	MacLaurin	B-4	Integrated Energy Systems, Institute For	Engineering Office Wing	C-4
Advising Centre For Humanities, Science & Social Science	University Centre	C-3	Internal Auditor	Technology Enterprise Facility	D-1
Aging, Centre on	Sedgewick "A" Wing	B-3	International & Exchange Student Services	Campus Services	C-2
Alumni Relations Association	Alumni House	E-4	International Affairs	Buisness & Economics	B-3
Anthropology	Cornett	B-3	Island Medical Program	Medical Sciences	B-4
Applied Remote Sensing, Modeling & Simulation, Centre For	Social Sciences & Mathematics	B-3	LACIR (BC Advanced Systems Institute)	Engineering Office Wing	C-4
Asia-Pacific Initiatives, Centre For	Fraser	A-3	Lam (David) Auditorium	MacLaurin	B-4
Athletics & Recreation	McKinnon	C-2	Law (Dean's Office, Admissions)	Fraser	A-3
Audio Visual Services	Clearihue	C-3	Law Library (Diana M. Priestly)	Fraser	A-3
BC Institute For Cooperative Studies	University House 2	E-4	Learning & Teaching Centre	Hickman	B-3
Biochemistry & Microbiology	Petch	C-4	Le,Nonet Project	Human & Social Development	B-3
Biology	Cunningham	C-4	Library	Mearns Centre/McPherson Library	C-3
Biomedical Research, Centre For	Petch	C-4	Linguistics	Clearihue	C-3
Board of Governors (Chair)	Administrative Services	B-2	Mail & Messenger Services	Saunders Annex	D-1
Bookings (Academic & Non-Academic)	University Centre	C-3	Malahat Review	Clearihue	C-3
Bookstore	Campus Services	C-2	Maltwood Art Museum Gallery	University Centre	C-3
Budget & Capital Planning	Administrative Services	B-2	Marketing Services	Social Sciences & Mathematics	B-3
Business (Deans Office)	Business & Economics	B-3	Mathematics & Statistics	Social Sciences & Mathematics	B-3
Campus Planning & Sustainability	Administrative Services	B-2	Mechanical Engineering	Engineering Office Wing	C-4
Campus Security Services	Campus Security	D-2	Medical Sciences	Medical Sciences Building	B-4
Canadian Centre For Climate Modeling & Analysis	Bob Wright Centre	C-4	Medieval Studies	Clearihue	C-3
Canadian Institute For Climatic Studies	Saunders Annex	D-1	Music	MacLaurin Music Wing	B-4
Canassist	Technology Enterprises Facility	D-1	National Coaching Institute	Hut "S"	C-1
Career Services	Campus Services	C-2	National Research Council	Hut "R"	C-1
Ceremonies & Special Events	Sedgewick Vandekerkhove Wing	B-3	Neptune Canada Project	Technology Enterprise Facility	D-1
CFUV Radio	Student Union	D-3	Nova Project	Technology Enterprise Facility	D-1
Chancellor	Administrative Services	B-2	Nursing	Human & Social Development	B-3
Chapel Bookings	University Centre	C-3	Occupational Health, Safety & Environment	Sedgewick Vandekerkhove Wing	B-3
Chaplain's Office	Campus Services	C-2	Ocean Networks Canada	Technology Enterprise Facility	D-1
Chemistry	Elliott	C-4	Ombudsperson	Student Union	D-3
Child Care Services	Child Care Complex	E-2	Pacific & Asian Studies	Clearihue	C-3
Child & Youth Care	Human & Social Development	B-3	Pacific institute for the Mathematical Sciences	Social Sciences & Mathematics	B-3
Cinecenta Theatre	Student Union	D-3	Pension Services	Administrative Services	B-2
Community Based Research, Office Of	Campus Services	C-2	Philosophy	Clearihue	C-3
Community Health Promotion Research	University House 3	E-4	Phoenix Theatre Box Office	Phoenix	A-4
Computer Science	Engineering Office Wing	C-4	Photographic Services	Social Sciences & Mathematics	B-3
Computer Store	Clearihue	C-3	Photo ID Centre	University Centre	C-3
Computing & System Services	Clearihue	C-3	Physical Education	McKinnon	C-2
Conference Services	Craigdarroch Office	D-3	Physics & Astronomy	Elliott	C-4
Continuing Services	Continuing Studies	C-3	Political Science	Social Sciences & Mathematics	B-3
Co-operative Education Program	Business & Economics	B-3	President	Administrative Services	B-2
Counselling Services	Campus Services	C-2	Printing & Duplicating Services	Saunders Annex	D-1
Curriculum & Instruction	MacLaurin	B-4	Psychology	Cornett	B-3
Development	Alumni House	E-4	Public Administration	Human & Social Development	B-3
Dispute Resolution, Institute For	Fraser	A-3	Purchasing Services	Saunders Annex	D-1
Earth & Ocean Sciences, School of	Bob Wright Centre	C-4	Records Services	University Centre	C-3
Economics	Businss & Economics	B-3	Registrar, Students Affairs	University Centre	C-3
Education (Deans Office)	MacLaurin	B-4	Religious Studies	Clearihue	C-3
Educational Psychology & Leadership Studies	MacLaurin	B-4	Research Services	Administrative Services	B-2
Electrical & Computer Engineering	Engineering Office Wing	C-4	Residences	Craigdarroch Office Building	D-3
Engineering Co-op	Engineering Computer Science	C-4	Resource Centre For Students With a Disability	Campus Services	C-3
Engineering (Deans Office)	Engineering Office Wing	C-4	Science (Dean's Office)	Elliott	C-4
English	Clearihue	C-3	Social Sciences (Dean's Office)	Bussiness & Economics	B-3
English Language Centre	Continuing Studies	C-3	Social Work	Human & Social Development	B-3
Environmental Health - Biology	Petch	C-4	Sociology	Cornett	B-3
Environmental Studies	Social Science & Mathematics	B-3	Sport & Fitness Centre	McKinnon	C-2
Equity & Human Rights Office	Sedgewick "C" Wing	B-3	Student & Ancillary Services	University Centre	C-3
External Relations	Administrative Services	B-2	Student Awards & Financial Aid	University Centre	C-3
Facilities Management	Saunders	D-2	Student Recruitment	University Centre	C-3
Faculty Association	University House 2	C-3	Student Union Building, Students' Society	Student Union	D-3
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Fine Arts (Dean's Office)	Fine Arts	A-4	Telephone & Technical Services	Clearihue	C-3
Forest Biology, Centre for	Cunningham	C-4	Theatre	Phoenix	A-4
French	Clearihue	C-3	Undergraduate Admissions & Records	University Centre	C-3
Geography	Social Science & Mathematics	B-3	University Centre Auditorium (Hugh Farquhar)	University Centre	C-3
Germanic & Slavic Studies	Clearihue	C-3	University Club (Faculty Club)	University Club	A-3
Global Studies, Centre For	Sedgewick "C" Wing	B-3	University Secretary	Administrative Services	B-2
Government & Community Relations	University Centre	C-3	University Systems Client		
Graduate Admissions & Records	University Centre	C-3	Technologies & Videoconferencing	Social Sciences & Mathematics	B-3
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Graduate Studies	University Centre	C-3	UVic Retirees' Association	Technology Enterprise Facility	D-1
Graphic Services	Social Science & Mathematics	B-3	UVic Students' Society	Student Union	D-3
Greek & Roman Studies	Clearihue	C-3	Venus Project	Technology Enterprise Facility	D-1
Health Information Science	Human & Social Development	B-3	Vice-President Academic & Provost	Administrative Services	B-2
Health Services	Peterson Health Center	E-4	Vice-President Development & External Relations	Administrative Services	B-2
Hispanic & Italian Studies	Clearihue	C-3	Vice-President Finance & Operations	Administrative Services	B-2
History	Clearihue	C-3	Vice-President Research	Administrative Services	B-2
History In Art	Fine Arts	A-4	Visual Arts	Visual Arts	A-4
Housing, Food & Conference Services	Craigdarroch Office Building	D-3	Water & Climate Impacts Research Centre	Social Sciences & Mathematics	B-3
Human & Social Development (Dean's Office)	Human & Social Development	B-3	Women's Studies	Clearihue	C-3
Human Resources	Sedgewick Vandekerkhove Wing	B-3	Writing	Fine Arts	A-4
Humanities (Dean's Office)	Clearihue	C-3	Young (Phillip T.) Auditorium/Recital Hall	MacLaurin Music Wing	B-4
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