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 Administrative Registrar, under authority granted by the Senate of the University.
# Table of Contents

Welcome to UVic! ......................................................................... 4
2005–2006 Academic Year Important Dates ........................................ 6
Terms Used in the Calendar .............................................................. 7
Application and Documentation Deadlines .......................................... 8

## General Information .................................................................. 9

- Information for All Students ......................................................... 10
- Programs Offered ........................................................................ 10
- General University Policies .......................................................... 11
- Academic Services ....................................................................... 12
  - Academic Advising .................................................................. 12
  - Computing and Systems Services ............................................. 12
  - English as a Second Language Course ...................................... 12
  - Libraries .................................................................................. 12
  - University Publications ............................................................ 12

- Student Services ......................................................................... 13
  - Aboriginal Student Services ..................................................... 18
  - Student Affairs ....................................................................... 16
  - Alumni Association ................................................................. 18

- University of Victoria Students’ Society ......................................... 16
  - Canadian Federation of Students Local 44 ................................. 16
  - Canadian Forces University Training Plans ................................. 18
  - Student Affairs ....................................................................... 16

## Undergraduate Information ......................................................... 19

- Undergraduate Admission .......................................................... 20
  - Important Application Information .......................................... 20
  - Applying for Admission ........................................................... 20
  - Admission Requirements ........................................................ 21
  - Other Applicant Categories ....................................................... 23
  - Applicants for Transfer ............................................................. 24
  - International Applicants .......................................................... 25

- Returning Students Reregistration ............................................... 27
  - Students Continuing from the Previous Session ....................... 27
  - Other Returning Students ......................................................... 27
  - Reregistration Following Required Withdrawal ....................... 27
  - Students Writing Deferred Examinations .................................. 27
  - Appealing Reregistration Decisions .......................................... 27

- Undergraduate Registration ......................................................... 27
  - General Registration Information ............................................. 27
  - Undergraduate English Requirement ....................................... 28
  - Registration as an Auditor ......................................................... 29

- Preparing for Future Studies Outside UVic ................................... 29

- Undergraduate Academic Regulations ........................................ 30
  - Attendance ............................................................................. 30
  - Course Load ........................................................................... 30
  - Course Credit .......................................................................... 30
  - Repeating Courses ................................................................... 31
  - Program Requirement Change ............................................... 31
  - Policy on Academic Integrity .................................................... 31
  - Evaluation of Student Achievement ......................................... 33
  - Academic Concessions ............................................................. 34
  - Examinations .......................................................................... 34
  - Grading ................................................................................... 35
  - Transcript of Academic Record ............................................... 36
  - Standing .................................................................................. 36
  - Withdrawal ............................................................................. 37
  - Graduation .............................................................................. 37
  - Second Bachelor’s Degrees ...................................................... 38
  - Appeals .................................................................................... 38

- Undergraduate Tuition and Other Fees ........................................ 39
  - General Regulations ............................................................... 39
  - Fees for Undergraduate Programs .......................................... 40
  - Fees for International Students .............................................. 41
  - Fees for Auditors .................................................................... 41
  - Miscellaneous Fees .................................................................. 42

- Undergraduate Financial Aid ........................................................ 42
  - General Regulations ............................................................... 42
  - Undergraduate Scholarships, Medals and Prizes ....................... 42

- Undergraduate Co-operative Education ......................................... 43
  - General Regulations: Undergraduate Awards ........................... 42
  - Co-operative Education Programs Offered ............................... 43
  - Admission .............................................................................. 43
  - Work Terms .......................................................................... 43
  - General Regulations: Undergraduate Co-op ............................. 44
  - Student Appeal Procedures ...................................................... 44

## Faculty of Business .................................................................... 45

- Members of the Faculty of Business ............................................ 46
- General Information ................................................................. 46
- Faculty Admissions ................................................................. 47
- Faculty Academic Regulations .................................................. 50
- Program Requirements ............................................................. 52

## Faculty of Education ................................................................ 54

- Faculty of Education ................................................................. 55
  - 1.0 General Information ........................................................ 56
  - 2.0 Academic Advice ............................................................. 57
  - 3.0 General Information About Courses in the Faculty ............. 57
  - 4.0 Limitation of Enrollment ................................................... 57
  - 5.0 Faculty Admissions ............................................................ 57
  - 6.0 Faculty Academic Regulations .......................................... 58
  - 7.0 Professional Preparation and Practice .................................. 60
  - 8.0 Bachelor of Education (Elementary Curriculum) ............... 61
  - 9.0 Bachelor of Education Post-Degree Professional Program (Elementary) ......................................................... 62
  - 10.0 Bachelor of Education (Secondary Curriculum) ............. 63
  - 11.0 Bachelor of Education Post-Degree Professional Program (Secondary) ......................................................... 67
  - 12.0 Diploma and Certificate Programs ................................... 68
  - 13.0 School of Physical Education .......................................... 69

## Faculty of Engineering ............................................................... 72

- Faculty of Engineering ............................................................. 73
- General Information ................................................................. 73
Welcome to UVic!

The University of Victoria is a great place for learning. It’s not surprising that Maclean’s magazine’s consistently ranks UVic as one of the top comprehensive universities in Canada. With 18,000 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 <web.uvic.ca./adms/>. 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, you can get an application by contacting Undergraduate Admissions and Records.

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 on pages 20 to 26.

**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 10.

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 10. Each faculty’s minimum admission requirements are listed in the table on page 22.

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 220.

---

| Faculty of Business | www.business.uvic.ca | Room 283 (Business Student Services Office), Business and Economics Building | 472-4728 |
| Faculty of Education | www.educ.uvic.ca | Room A250, MacLaurin Building | 721-7877 |
| Faculty of Engineering | www.engr.uvic.ca | Engineering: Room A228, Engineering Lab Wing | 721-8678 |
| Faculty of Fine Arts | www.finearts.uvic.ca | Room 119, Fine Arts Building | 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 B102, HSD Building | 721-7979 |
| | | Dispute Resolution: Room A123, FRA Building | 721-8777 |
| | | Health Information Science: Room A202, HSD Building | 721-8575 |
| | | Indigenous Governance: Room A332, HSD Building | 721-6438 |
| | | Nursing: Room A402, HSD Building | 721-7954 |
| | | Public Administration: Room A302, HSD Building | 721-8055 |
| | | Social Work: Room B302, HSD Building | 721-8047 |
| | | Studies in Policy and Practice: Room A102, HSD Building | 721-8204 |
| Faculty of Humanities | web.uvic.ca/advising | Room A205, University Centre | 721-7567 |
| Faculty of Law | www.law.uvic.ca | Room 117, Murray and Anne Fraser Building | 721-8151 |
| Faculty of Science | web.uvic.ca/advising | Room A205, University Centre | 721-7567 |
| Faculty of Social Sciences | web.uvic.ca/advising | Room A205, University Centre | 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 on page 4.

HOW DO I REGISTER FOR COURSES?

Once you have received an offer of admission and paid your acceptance deposit, then you will register online for courses through WebReg. You’ll receive an admission package giving you detailed instructions on how to use WebReg 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 2004-2005 academic year for a student taking 15 units of courses.

- Tuition fees ................................................. $4239
- Student society fees ................................... $127
- Athletics and recreation fee .......................... $126
- UVSS health plan ...................................... $118
- UVSS dental plan ....................................... $118
- UPass bus pass ......................................... $112
- Books and supplies, up to ............................ $1000
- Board and room for 8 months
  - on-campus, single (average) ..................... $5790
  - on-campus, double (average) ................... $5080
  - off-campus ........................................... $5230–6230

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 <web.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 <web.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 <web.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 the third largest in Canada. Co-op programs are available in all faculties and offer everything from Professional Writing to Coaching 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?

As soon as you are registered, you are eligible to go to 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, call (250) 721-8949 or send an e-mail to: tours@uvic.ca

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 2005 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/whats_new/> or <web.uvic.ca/gss/>.

Good luck with your studies. And again, welcome to UVic!
2005–2006 Academic Year
Important Dates

In recognition of the fact that the University of Victoria is a diverse community, the Office of the University Secretary has compiled a list of religious festivals, which is available at the UVic 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 2005**
- 5 Monday  
  Labour Day*
- 6 Tuesday  
  First-year and opening assembly for Faculty of Law
- 7 Wednesday  
  First-term classes begin for all faculties
- 15 Thursday  
  Last day for course changes in Faculty of Law
- 20 Tuesday  
  Last day for 100% reduction of tuition fees for first-term and full-year courses
- 23 Friday  
  Last day for adding courses that begin in the first term
- 30 Friday  
  Last day for paying first-term fees without penalty

**October 2005**
- 7 Friday  
  Senate meets
- 10 Monday  
  Thanksgiving Day*
- 11 Tuesday  
  Last day for 50% reduction of tuition fees. 100% of tuition fees will be assessed for courses dropped after this date.
- 28 Friday  
  Special Senate meeting (tentative)
- 31 Monday  
  Last day for withdrawing from first-term courses without penalty of failure

**November 2005**
- 4 Friday  
  Senate meets
- 9-11 Wed-Fri  
  Reading Break (except Law)*
- 11 Tuesday  
  Remembrance Day*
- 9-10 Wed-Thur  
  Fall Convocation

**December 2005**
- 1 Thursday  
  Deadline to apply to graduate for Spring convocation
- 2 Friday  
  Last day of classes in first term, except Faculty of Human and Social Development**  
- 5 Monday  
  First-term examinations begin, except Faculty of Human and Social Development**
- 19 Monday  
  First-term examinations end for all faculties
- 25 Sunday  
  Christmas Day*
- 26 Monday  
  Boxing Day*
- 26 Dec - 2 Jan  
  University closed

**WINTER SESSION—SECOND TERM**

**January 2006**
- 1 Sunday  
  New Year’s Day*
- 4 Wednesday  
  Second-term classes begin in all faculties
- 12 Thursday  
  Last day for course changes in Faculty of Law
- 13 Friday  
  Senate meets
- 17 Tuesday  
  Last day for 100% reduction of second-term fees
- 20 Friday  
  Last day for adding courses that begin in the second term
- 31 Tuesday  
  Last day for paying second-term fees without penalty

**February 2006**
- 3 Friday  
  Senate meets
- 7 Tuesday  
  Last day for 50% reduction of tuition fees. 100% of tuition fees will be assessed for courses dropped after this date.
- 20-24 Mon-Fri  
  Reading Break for all faculties.
- 28 Tuesday  
  Last day for withdrawing from full-year and second-term courses without penalty of failure

**March 2006**
- 3 Friday  
  Senate meets

**April 2006**
- 7 Friday  
  Senate meets
- 14 Friday  
  Good Friday*
- 17 Monday  
  Easter Monday*
- 7 Monday  
  Last day of classes for all faculties except Faculty of Human and Social Development**
- 10 Monday  
  Examinations begin for all faculties except Faculty of Human and Social Development**
- 29 Saturday  
  Examinations end for all faculties.

**End of Winter Session

**MAY—AUGUST 2006**

See Summer Studies supplement for complete dates

**May 2006**
- 1 Monday  
  May-August courses begin
- 5 Friday  
  Senate meets
- 8 Monday  
  May and May-June courses begin
- 16 Tuesday  
  Last day for course changes (Faculty of Law only)
- 22 Monday  
  Victoria Day*
- 24 Wednesday  
  Special Senate meeting (tentative)
- 31 Wednesday  
  May courses end

**June 2006**
- 1 Thursday  
  June courses begin
- 6-9 Tues–Fri  
  Spring Convocation
- 23 Friday  
  May-June and June courses end

**July 2006**
- 1 Friday  
  Canada Day*
- 3-4 Mon-Tues  
  Reading Break, May-August courses
- 4 Tuesday  
  July and July-August courses begin
- 26 Wednesday  
  July courses end
- 27 Thursday  
  August courses begin
- 27, 28, 31  
  Supplemental and deferred examinations for Winter Session 2004–2005 (except in BEng programs)
- 28 Friday  
  May-August classes end, except Faculty of Law
- 31 Monday  
  May-August examinations begin, except Faculty of Law

**August 2006**
- 7 Monday  
  British Columbia Day*
- 11 Friday  
  Last day of classes, Faculty of Law only
- 11 Friday  
  May-August examinations end, except Faculty of Law
- 14 Monday  
  Examinations begin, Faculty of Law only
- 21 Monday  
  July-Aug. and Aug. courses end, except Faculty of Law
- 25 Friday  
  Examinations end, Faculty of Law only

* Classes are cancelled on all statutory holidays and during reading breaks. Administrative office and academic departments are closed on statutory holidays. Holidays that fall on a weekend are observed on the next available weekday, normally 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.

**SUMMER STUDIES**

Credit courses offered in the Summer Studies period (May-August) are listed in the Summer Studies Calendar, 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 Studies Calendar. 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 Studies period.

The University reserves the right to cancel courses when enrollment is not sufficient. For information or a Summer Studies Calendar, contact:

Administrative Clerk, Summer Studies  
Office of the Administrative Registrar  
University Centre  
Phone: (250) 721-8471; Fax: (250) 721-6225  
E-mail: lmorgan@uvic.ca
Terms Used in the Calendar

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 (see page 29).

Award
See list of definitions under Scholarships and Awards, page 41.

Co-operative Education
A program of education which integrates academic study with work experience. See page 42.

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 studied, such as English 115.

Credit Unit
The unit used to assign academic credit for a course, such as Economics 100 (1.5 units).

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

Discipline
A subject of study within a department.

Full-Time Student
An undergraduate student registered in 12 or more units of study in the Winter Session or 6 or more units in Summer Studies.

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

Grade Point
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 (see page 35).

Lower-Level Courses
Courses numbered from 100 to 299.

Major
The emphasis in a degree program or a program which 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.

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.

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. See Policy on Academic Integrity, page 32.

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

Probation
A period of trial for a student whose academic performance is unsatisfactory. See page 38.

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

Term
The section of a course, e.g. Section Y01 of French 100.

Session
A designated period of time during which courses of study are offered (Winter Session, Summer Studies).

Special Student
A student who is admitted to credit courses but who is not a candidate for a University of Victoria degree or diploma.

Student
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.

Transfer Credit
Credit for courses taken elsewhere at the post-secondary level.

Undergraduate Student
A student registered in an undergraduate program or leading to a bachelor's degree or an undergraduate diploma or certificate.

Upper-Level Courses
Courses numbered from 300 to 499.

Year
A minimum of 15 units of courses; the level within a program of study or the level of a course; e.g., first-year student, first-year course (Physics 110).
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.

<table>
<thead>
<tr>
<th>FACULTY/PROGRAM</th>
<th>ENTRY POINT</th>
<th>APPLICATION DEADLINE</th>
<th>DOCUMENT DEADLINE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EARLY ADMISSION – BC APPLICANTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current graduating BC secondary school applicants only, all faculties</td>
<td>September</td>
<td>February 28</td>
<td>July 1 (For all documents other than final grades.)</td>
</tr>
</tbody>
</table>

| **EARLY ADMISSION – OUT OF PROVINCE** | | | |
| Current graduating out-of-province secondary school applicants (Out-of-Prov., U.S., including International American/Canadian curriculum schools) | September | February 28 | April 30 (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 | 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) | | | |
| Secondary: Post-Degree Professional Programs | Regular Options | July | December 31 | January 31 |
| Internship Option | May | December 31 | January 31 |
| Five-Year BEd (Art, Music, PE) | September | January 31 (with transcripts) | May 31 |
| Elementary: Regular Option & Post Degree Professional Program | September | January 31 (with transcripts) | May 31 |
| School of Physical Education (BA, BSc, BEd) | September | January 31 (with transcripts) | May 31 |

| **ENGINEERING** | | | |
| BEng and BSENG | September | April 30 | May 31 |
| BSc (Computer Science) | September | May 15 | October 31 | July 1 | November 30 | April 30 |
| Engineering Bridge | January | September 30 | Sept 30 |

| **FINE ARTS** (Official in-progress transcripts are required at time of application) | | | |
| History in Art | September | May 15 | October 31 | July 1 | November 30 | April 30 |
| Music* | September | March 31 | May 31 |
| Theatre* | September | February 28 | May 31 |
| Visual Arts* | September | March 31 | May 31 |
| Writing, including Harvey Southam Diploma in Writing and Editing* | September | March 31 | 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 | February 28 | May 1 | August 15 | January 1 |
| Health Information Science* | September | March 31 | September 30 | July 1 |
| Nursing* | September | January 31 | January 31 |
| Social Work* | September | January 31 | January 31 |
| Pre-Social Work (on and off campus) | September | May 15 | October 31 | July 1 | November 30 | April 30 | May 31 |
| Public Sector Management, Local Government Management Diploma, Professional Specialization Certificates* | September | May 31 | October 15 | November 15 | April 1 |

| **HUMANITIES/SCIENCE/SOCIAL SCIENCES** | | | |
| New and reregistering students | September | May 15 | July 1 |
| January | October 31 | November 30 |
| May | March 31 | April 30 |
| July | April 30 | May 31 |
| Humanities Diploma | September 30 | September 30 | September 30 |

| **LAW** | | |
| CONTINUING STUDIES DIPLOMAS & CERTIFICATES: | For programs, entry points and deadlines, contact the Division of Continuing Studies. |

* These programs require supplemental materials; please contact the faculty/department directly.
Known for excellence in teaching, research, and service to the community, the University of Victoria serves 18,000 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 Summer Studies. The Calendar Supplement for Summer Studies is published separately (see page 6 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 Undergraduate Records website (<www.uvic.ca/reco>). Amendments to the timetable are incorporated into the WebTIMETABLE (WebTT), which is accessible at the Undergraduate Records website: <www.uvic.ca/reco> or the Graduate Admissions and Records website: <www.uvic.ca/grar>.

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 or diploma.

Special student: A student admitted to credit courses but not a candidate for a degree or diploma.

OEX: A visiting student who is attending UVic on an International Exchange Program

IEX: 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)
- 42 to 56.5 units: Fourth Year (BEd only)
- 57 units or above: Fifth Year (BEd 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 are obtained, following registration, at the ID Card Centre, University Centre.

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 centre 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 29.

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, enrollment 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.


Schedule of Classes (Timetable)
The schedule of undergraduate classes for the Winter Session is available from the WebTIMETABLE (WebTT), which is accessible at the Undergraduate Records website: <www.uvic.ca/reco> or the Graduate Admissions and Records website: <www.uvic.ca/grar>.

University’s Right to Limit Enrollment
The University reserves the right to limit enrollment 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.

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.

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. For information on diploma and certificate programs, refer to the Calendar index for page numbers.

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 Science
Bachelor of Science in Nursing
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.

In the case of compulsory classes or course events, students will normally be required to provide reasonable notice to their instructors 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 Resit for Academic Concession.

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

A list of religious holy days is available at the following website: <www.uvic.ca/equity/>.

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 participate 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. It also addresses personal harassment, sometimes called worksite harassment. Each is defined below, and the procedures for redress are applicable to all.

The Discrimination and Harassment Policy and Procedures is administered by the Equity and Human Rights Office. Persons who experience or know of harassment or discrimination may contact the Office by phoning 721-7007 for confidential advice and information. The Office website is <www.uvic.ca/eqhr>.

Discrimination means abusive, unfair, or demeaning treatment of a person or group of persons on the basis of race, colour, ancestry, place of origin, political belief, religion, marital status, family status, physical or mental disability, sex, sexual orientation, age or conviction for a criminal offence that is unrelated to the employment or intended employment of a person when such treatment has the effect or purpose of unreasonably interfering with that person's or group's employment or educational status or performance or of creating a hostile or intimidating work or educational environment. Discrimination includes adverse effect discrimination.

Adverse effect discrimination means those entrenched and institutionalized practices, systems, and structures that operate to limit a group's or an individual member of a group's rights to opportunities or to exclude a group or an individual member of a group from participation because of her or his race, colour, ancestry, place of origin, political belief, religion, marital status, family status, physical or mental disability, sex, sexual orientation, age or conviction for a criminal offence that is unrelated to employment or intended employment.

Harassment means either sexual harassment or personal harassment.

Sexual harassment means unwelcome sexual advances, requests for sexual favours or other verbal or physical conduct of a sexual nature when:
• submission to such conduct is made either explicitly or implicitly a term or condition of employment or of educational progress; or
• submission to or rejection of such conduct is used as the basis for employment or academic decisions affecting that employee or student; or
• such conduct has the effect or purpose of unreasonably interfering with an employee's work performance or a student's academic performance or creating an intimidating, hostile, or offensive working or educational environment.

Sexual harassment may consist of behavior by men towards women or other men, or behaviour by women towards men or other women.

Personal harassment means abusive, unfair, or demeaning treatment of a person or group of
PERSONAL SERVICES

Point, Excel, Windows, etc., also find printing facilities, extensive technical plexes (in CLE, HSD, BEC). There, students will find computing and networking support to UVic department they wish to enter.

Computing and Systems Services

Academic Services

Enrolment Services

English as a Second Language Course

STUDENT DISCIPLINE

Academic Advising

Computing and Systems Services (CASS) provides computing and networking support to UVic students’ learning and research needs via microcomputer, Unix and high-performance computing facilities.

Students may use CASS-supported PC and Macintosh workstations in our four laboratory complexes (in CLE, HSD, BEC). There, students will also find printing facilities, extensive technical assistance and basic instruction for e-mail, e-conferencing, e-learning, Microsoft Word, PowerPoint, Excel, Windows, etc.

Students are entitled to a computing account (NetLink ID) on the central computing system. This account provides Internet access, e-mail, Web page publishing and many other applications. More information on how to get an account can be found at <www.uvic.ca/computing>.

CASS supports many academic applications, including e-mail, database management, graphics, printing, Web tools, statistical analysis, simulation, a comprehensive range of programming languages and scientific applications, and text processing. Newsletters, documentation, consulting and non-credit courses on software are also available.

CASS 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 CASS Computer Store in the Clearihue Building (C143) sells academically priced software and computers to students enrolled in degree programs, and to faculty and staff. Hardware repairs and service for microcomputers is done through CASS’s authorised service centre. CASS also co-ordinates site-license agreements and volume discounts for specialised academic software.

To provide online access, CASS 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. A modem pool provides dial-up access to University services and the Internet; high speed access to our services is available via Shaw cable, Telus ADSL, and other service providers.

CASS 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

721-7687
Clearihue A004
http://helpdesk.uvic.ca

Computer Store

721-8321
Clearihue C143
http://cstore.uvic.ca

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.

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Computer Store

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Clearihue C143
http://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 this Calendar.

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 Gateway at <gateway.uvic.ca> provides access to the Libraries’ print and online resources, including electronic journals, indexes and databases. The Libraries Gateway also offers a wide range of online user services, such as re-

UNIVERSITY PUBLICATIONS

Admissions Preview Handbook

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

International Undergraduate Handbook

Designed for international applicants (including U.S. applicants). Provides an overview of UVic, including student profiles, housing, finances, 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 literature, edited by John Barton. Subscription: $35 for one year ($25 for students); $60 for two years ($45 for students); U.S. $40, overseas $45, per year.

Preview Newsletter
A bulletin announcing changes in admission regulations or procedures, new programs and items of general interest. Sent to all BH high schools and colleges quarterly.

Summer Studies Calendar
Lists offerings available in the May through August period. Available from the Administrative Clerk, Summer Studies (250-721-8471; e-mail: Imorgan@uvic.ca).

Distance Learning and Immersion Course Guide for Off Campus Students
Lists credit offerings available to off campus students. Available from the Administrative Clerk, Summer Studies (250-721-8471; e-mail: Imorgan@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
McKinney Building
Phone: 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 (WUA), 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, aerobics, 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 RecPlus 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 McKinney Building includes a gymnasium, dance studio, weight-training room, 25-metre I-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, 8:30–5:00
(Sep–Apr: Wed, 8:30–7:00)
Saturday: 11:00–5:00
Phone: 721-8311
Web: www.uvicbookstore.ca

The Bookstore is owned and operated by UVic. In keeping with University policy, the Bookstore operates on a break-even basis. The Bookstore stocks all required and recommended textbooks requested by faculty. Textbook listings are available in-store prior to the beginning of each term and online three weeks prior to the beginning of each term.

In addition, the general book section carries titles in paperback and hardcover of both academic and general interest. Special orders may be placed for any book currently in print. The Bookstore also distributes academic calendars and handles regalia rentals.

The General Merchandise Department offers a variety of UVic-crested clothing and giftware, school/course and stationery supplies, calculators and a large selection of gifts for all occasions.

Return Policy and Textbook Buy Back
The Bookstore Return Policy is available in the Bookstore at the information desk as well as at each cash register.

2005–06 UVIC CALENDAR
Between April 11 and September 13, and between December 5 and January 6, the Bookstore buys used textbooks at half the retail price according to a "want list" prepared from faculty requisitions.

Finnerty Express Convenience Store
Campus Services Building
Hours: Mon–Fri 8:30–4:30
(May–Aug: 8:30–5:00)
Sat–Sun: 11:00–5:00
Phone: 472-4594

Finnerty Express, on the lower level of the Bookstore, offers Saltspring Fair trade coffee, baked goods, lunch items candy, snacks, cold drinks, grocery and personal care items, newspapers and stamps.

Career Services
Campus Services Building
Hours: Mon–Fri 8:30–4:30
(May–Aug: 8:30–5:00)
Phone: (250) 721-8421
Web: www.careerservices.uvic.ca

Our mission is to engage students and alumni in developing skills essential for a lifetime of effective career management. We do this by providing career education services, programs and resources, and by facilitating connections among students, alumni, faculty, employers and other community members.

Services Offered
• individual consultations and group sessions on career decision-making, résumé preparation, interview skills and work search strategies
• online postings for part-time, summer, career and on-campus opportunities
• career resource library
• career fairs, career forums and employer information sessions
• assistance to recent graduates through our Applied Career Transitions project and other services
• 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.

Chapel
Hours: Mon–Fri 8:30–5:30
Phone: 721-8022
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: 721-8500
Web: www.care.uvic.ca/daycare

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


GENERAL INFORMATION

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. When possible, application should be made up to a year in advance of the date child care services are required.

COUNSELLING SERVICES

Rm 135 Campus Services Building
Hours: Mon-Fri 8:30-4:30
Phone: 721-8341
Web: www.coun.uvic.ca

Counselling Services offers free, confidential counselling to students, faculty and staff who have personal, career, learning or educational concerns. For current 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 interest, 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 Study 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 also offers the following courses and activities to help students develop the specific skills needed to succeed in their studies, including:

Learning Skills Course: This non-credit course is offered throughout the year. It is designed to help students develop better techniques for reading, listening, note-taking, organizing and learning material, 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 which 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
• Career Exploration/Planning
• Depression Management
• Gay, Lesbian, Bisexual Group
• Mature Students’ Support
• Men’s Group
• Personal Growth
• Self-esteem
• Surviving Relationship Breakup

International Student Counselling

Individual and group counselling support is available specifically for international students on issues including culture shock, home-stay concerns, reverse culture shock, communication, academic system difficulty and dealing with newfound freedom.

Advanced Educational Testing/Computer-Based Testing Centre

Information and Registration Bulletins are available for the DAT, GMAT, GRE, LSAT, MAT, MCAT, PCAT, SAT, SSAT, TOEFL/TSE and TOEIC. These tests are administered at UVic. The computer-based GMAT, 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

FOOD SERVICES

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

Food Services operates 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

Check Food Services’ website for hours of operation.

In addition to the above, Food Services operates a comprehensive vending service in buildings where
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: 721-8492*
Web: www.acms.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, immunizations, physiotherapy, 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.

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 must maintain their enrollment in the BC Medical Services Plan for the duration of their stay in Canada.

Physiotherapy Clinic
Gordon Head Complex
Phone: 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 are billed directly to the Medical Services Plan of BC on presentation of a CareCard, with 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 forms are provided for:
- deferred final exams
- reduction of course load
- withdrawal from the university

Confirmation of this information will be relayed to Undergraduate Records in the form of the pink Academic Concession form. Instructors can then contact Undergraduate Records for confirmation.

Notes for missed classes, late assignments, missed labs and missed quizzes are not normally provided by Health Services. These matters are handled directly by instructors.

Also, see Academic Concessions, page 34.

Illness During Examinations
For information on the academic regulations governing illness at the time of examination, see Academic Concessions, page 34.

On-Campus Accommodation
The University offers three types of on-campus accommodation for students: Residence Housing, Cluster Housing and Family Housing.

Residence Housing
- Residence Housing provides room and board accommodation in single and double rooms for 1680 students in co-educated, non-smoking residences.
- All rooms are furnished with a desk, chair, desk lamp, wardrobe, bed and linen for each student. Cable television, telephone and mainframe computer hook-ups are available. Washrooms are centrally located on each floor. Cable television is provided in each floor lounge. Pay phones and coin-operated laundry facilities are also available.
- Residence 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 Residence 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 mainframe computer hook-ups are available.

Family Housing
- 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 mainframe computer 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 2004/2005 were:
- Residence Housing
  Single room with starter meal plan $2895/term
  Double room with starter meal plan $2540/term

- Cluster Housing
  Individual rate (no meal plan) $1700/term

- Family Housing
  1-bedroom apartment $598/month
  2-bedroom apartment $705/month
  2-bedroom townhouse $763/month
  3-bedroom townhouse $846/month

* The starter meal plan is designed to provide a light eater with two meals per day. A medium eater might expect to spend $200 more per term. A hearty eater might expect to spend $400 more per term.

Applying for Campus Housing
Students apply for campus housing through the UVic Housing website. The electronic application form for entry in September 2005 is active on the Housing 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 up to June 30, 2005 provided they have:
- submitted an application to Housing
- paid the $20.00 Housing application fee
- been admitted to the University
- accepted the offer of admittance to UVic and paid the acceptance deposit of $100.00

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 Housing Services of any change of address. Students must contact the Housing Office in late August in order to remain on the wait list.

Payment Procedure for Residence and Cluster Housing
Acceptance Payment
A $500 acceptance payment is required to confirm acceptance of an offer of residence 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
- January 15 . . . 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 ($250) 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
Residence and cluster housing assignments are available from September 4, 2005. Accommodation before September 4 may be available under special circumstances. Written approval must be obtained from the Housing 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 Housing 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 3-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
Residence accommodation is available throughout the summer months (May–August) for students, families and visitors. Reservations are recommended for this “bed and breakfast” service. Contact Housing 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 Housing Office at (250) 721-8395 for further details.

Off-Campus Housing Registry
The Housing Office maintains a registry of off-campus accommodation, including rooms, rooms with meals, suites, shared accommodation, houses and apartments. Due to the rapid turnover of these accommodations, lists are not mailed out; they are available for viewing at the Housing website or in the Housing Office.

Interfaith Chaplains Services
Interfaith Centre
Campus Services Building, Room 151
Hours: Mon, Tues 9:00–2:30
Wed–Fri 9:00–3:30
Phone: 721-8338
Web: web.uvic.ca/chaplain

Interfaith Chaplains Services offers information and perspectives from diverse religious traditions to assist students, faculty and staff in exploring their spirituality. Our team consists of members from the Bahá’í, Buddhist, Christian, Jewish, Muslim and Wiccan faith communities.

Chaplains offer student retreats, prayer groups, workshops, spiritual direction and pastoral counselling, meditation, social activities, scriptural studies, interfaith discussions, volunteer opportunities and guest speakers. Chaplains are available at critical moments to facilitate rites of passage, weddings, funerals, memorial services. Regular activities and upcoming events are posted on the web site and on the bulletin board at the Interfaith Centre.

International and Exchange Student Services
University Centre, Room A205
Hours: Mon–Fri 9:00–12:00; 1:00–4:30
Phone: 721-6361
Web: www.iess.uvic.ca
E-mail: 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 to international students include a pre-orientation program for all newcomers and ongoing support programs throughout the year.

Specific activities geared to international students are offered on an ongoing basis to help with meeting Canadian friends and learning about interracial relationships. The IESS also operates a Buddy Program that matches Canadian students with international students.

Students wanting information on study abroad and exchange opportunities should first check the IESS website. They can then call the office to make an appointment with one of the office staff. (See website address and phone number above.)

Student Exchange Programs
UVic offers international exchange opportunities for both undergraduate and graduate students. Some exchanges are available to all students at the University; others are limited to students in particular programs.

Students should check with their department for information about exchanges limited to students in the faculty. Information on exchanges open to all students is available through the International Exchange Student Services Office.

To qualify for a student exchange program, a student must be enrolled at UVic, normally in at least the second year of study, and normally have a cumulative GPA of at least 4.0.

UVic has international exchange agreements with over 40 universities in 17 countries in the Asia-Pacific region, Europe and North America. Exchange students normally pay their tuition and related fees to their home university. Exchanges are usually for one academic year. Wherever possible, credit will be granted for courses successfully completed during the exchange. Students should also refer to Credits in Established International Exchange Programs on page 31 for more information on credit recognition from international exchange programs.

Competitions for the exchanges are held once a year, at the beginning of the second term.

General information on study abroad opportunities and international exchanges is available at the International and Exchange Student Services Office and website: <www.iess.uvic.ca>.

Students at an exchange partner institution interested in coming to UVic on an exchange program should check with the exchange co-ordinator at their home institution.

Resource Centre for Students with a Disability
Campus Services Building
Hours: Mon–Fri 8:00–4:00
Phone: 472-4947
Web: www.rcsd.uvic.ca
E-mail: inforc@uvic.ca

The Resource Centre for Students with a Disability offers information and support for UVic students with a permanent disability. Students who need classroom or exam accommodations, or other on-campus support should contact the Resource Centre as soon as confirmation of enrollment is received.

The Resource Centre offers access to accessible computer workstations and other adaptive equipment, such as a braille embosser, scanner, large-print monitors and closed-circuit television as well as specialized adaptive software.

The University is committed to providing students with a permanent disability reasonable accommodation within the limits of its resources and as described in the University Policy on Providing Accommodation for Students with a Disability. In order to ensure accommodation and support are in place, students with a disability should officially register with an adviser at the RCSD as soon as they have registered for classes.

Students should be prepared to document their disability to the University if they have special class or examination needs.

Student Affairs
The Executive Director of Student and Ancillary Services serves as the liaison between the various Student Societies on campus and the University.

University of Victoria Student’s 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 UVSS (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, HomeExchange.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 elected 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 representation 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 in 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 dayplanners/handbooks and Studentsaver
- Food services: Health Food Bar, Inner Action Juice Bar, International Grill, Bean There coffee shop, Munchie Bar
- Felicia’s Pub
- Cinecenta movie theatre
- Zap Copy Shop
- SUB Text used books
- SUB Info Booth: administers the Universal Bus Pass (U-Pass) and the Student Health and Dental Plan

Also located in the SUB are the following important services:

**Native Students’ Union**
Student Union Building B203
Phone: (250) 472-4394
E-mail: nsu@uvss.uvic.ca
Web: www.uvss.uvic.ca/ns

The Native Students’ (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 First Nations 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 call the NSU for more information.

**ACCESS UVic**
Student Union Building B102
Phone: (250) 472-4389
E-mail: ssduvss@uvic.ca

ACCESS UVic is a constituency organization for UVic students with a disability. ACCESS actively promotes physical and attitudinal accessibility and the elimination of able-ism at UVic. ACCESS works towards providing a safe and supportive environment and coordinates activities and events intended to raise awareness about disability issues, such as Annual Disability Awareness Day. ACCESS welcomes and encourages anyone who wants to play a positive role in the organization.

**Students of Colour Collective**
Student Union Building B003
Phone: (250) 472-4697
E-mail: socolour@uvss.uvic.ca

All students of colour are invited to become active in the Students and Women of Colour Collective. The constituency group represents all self-defined 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
E-mail: 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 e-mail, drop by the office, or visit our website for more information.

**Ombudsperson**
Student Union Building B205
Phone: (250) 721-8357
E-mail: omбуд@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
E-mail: wcentre@uvss.uvic.ca

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, committee organizing and thirtyspace production. The Women’s Centre also publishes an anti-racist, feminist zine. 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
Web: cluv.uvic.ca

CFUV is UVic’s campus community radio station. CFUV programming ranges from rock, hip-hop and electronic to folk, jazz 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
E-mail: martlet@uvic.ca
Web: www.martlet.ca

The Martlet is UVic’s student newspaper, 10,000 copies of which are 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
Phone: (250) 472-4558
E-mail: info@vipirg.ca
Web: www.vipirg.ca

VIPIRG is an autonomous, non-profit, non-partisan organization dedicated to research and action in the public interest. All undergraduate 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, research papers, video and audio materials, and government reports. VIPIRG conducts research and undertakes action projects on a wide range of social justice and environmental issues. VIPIRG operates a Research Internship Program that links student researchers to community groups with research needs. Students interested in being part of any of these committees, or with ideas for one, are invited to visit or call the VIPIRG office.

**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.gc.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 pillars 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 $5000 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.

**Alumni Association**

Alumni House
3100 Carey Street, Victoria, BC V8W 1H6
Phone: 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 Ambassador Association (SAA)
- Excellence in Teaching Award

After graduation, the Alumni Association encourages a lifelong relationship among alumni and the University. An informative 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:
- a grad welcome program
- an alumni benefits card (access to campus services and business discounts)
- affinity programs (group rates on home and life insurance, Mastercard, travel, etc.)
- the UVic OLC Network™ (mentor program, business card exchange and more)
- 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 the Alumni Services Office, Alumni House.

**Aboriginal Student Services**

**Aboriginal Liaison Officer**

The Aboriginal Liaison Officer acts as the University’s major contact on academic and cultural matters with Aboriginal students, as well as with the wider Aboriginal community, particularly First Nations sponsors. Internal liaison activities include advice on academic programs to enhance participation and completion rates. The Office is located in Sedgwick C188 (721-6326) adjacent to the Aboriginal Liaison Office Reading Room in C186 (e-mail: wmwhite@uvic.ca).

The office will assist students on 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 will assist with the promotion and co-ordination of special events related to Aboriginal culture and traditions. The office maintains a contemporary resource reading room containing First Nations and provincial and federal government publications.

**Aboriginal Counselling and Support**

Other counsellors serving Aboriginal students include:
- Aboriginal Counsellor (472-5119)
- Aboriginal Education Adviser and Coordinator, Faculty of Education (721-7855)
- Aboriginal Student Adviser, Faculty of Human and Social Development (721-6274)
- Director, Academic and Cultural Support Program, Faculty of Law (721-8185)

**Native Student Union**

The Native Student Union works towards empowering students to benefit from the technical and academic learning available at UVic while maintaining strong cultural and spiritual ties with the University. Activities include regular meetings, as well as social and cultural events.

The Native Student Union (472-4394) is located in the basement of the Student Union Building, B020.

**Office of International Affairs**

James P. Anglin, BA (Carleton), MSW (Brit. Col.), PhD (Leicester), Professor and Director
Sabine Schuerholz-Lehr, BA (BC Open University), MBA (University of London), Assistant Director
Heather Walsh, BA (Trent), Project Coordinator

The Office of International Affairs (OIA) represents the University internationally facilitates and oversees UVic's international activities and programs. It is also responsible for strategic planning at the University level in relation to all dimensions of internationalization, including the following: the curriculum; student services; student, faculty and staff mobility; and research and development projects. UVic seeks to be a Canadian leader in international education through implementing its commitment to creating 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, External Relations, Admissions and Records, Graduate Studies, Student and Ancillary Services, International and Exchange 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 travel to participate in international activities.

The OIA also supports the negotiation of formal agreements with appropriate post-secondary institutions outside Canada and monitors the effectiveness of existing agreements. Agreements can focus on student, staff and faculty exchanges, on cooperation in developing curricula and distributed learning approaches, and on research and development collaborations.

The Assistant Director also serves as the International Liaison Officer (ILO) for the Canadian International Development Agency (CIDA) and other federal government departments, and 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 OIA website <oia.uvic.ca> is the prime communication vehicle for information about UVic's international activities. It provides up-to-date information on international grant opportunities for students and faculty, information on international conferences in Canada and in other parts of the world on relevant topics, links to international research interests and areas of expertise of UVic faculty members, and other pertinent information on international programs and activities.
Undergraduate Admission

The University welcomes applications from Canadian and international students. The application for admission is available online at <www.uvic.ca/adms>. 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: www.uvic.ca/adms

Documentation Required for First Admission

Applicants must demonstrate English language proficiency for the purpose of 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, Cayman 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.

- a score of 86% or higher on either the BC Provincial Grade 12 English Examination or in OAC English or Grade 12 U English (Ontario) within the last three years prior to admission

- a score of 4 or higher (out of 5) on the Canadian Academic English Language Assessment Test (CAEL)* with a score of 70, with none of the subtest results 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)

- a score of 4 or higher (out of 5) on the Advanced Placement Exam in English Language and Composition

- 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.

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 take the Test Of English as a Foreign Language (TOEFL). A score of not less than 75 (233 on the computerized test) is required for undergraduate study.

Applying for Admission

Step 1: Apply online at <www.uvic.ca/adms>.

Step 2: If you are applying for on-campus housing, entrance scholarships or bursaries, please note that these require SEPARATE applica-
Applicants from Secondary School
1. British Columbia/Yukon
The table on page 22 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 they present for admission, if a provincial examination was available in the year in which they took the subject. Only one approved grade 12 course that did not require a provincial examination may be used for admission (e.g., Comparative Civilization 12, an approved locally developed course, or an approved AP or IB course).

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.

BC Ministry of Education approved courses with the designation AP or IB may be accepted as alternatives. AP and IB courses at the grade 12 level do not have provincial examinations.

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 Literature 12
- Farsi 12
- French 12
- Geography 12
- Geology 12
- Geometry 12
- German 12
- Heiltsuk 12
- History 12
- Information Technology 12
- Italian 12
- Japanese 12
- Mandarin 12
- Nslixen (Okanagan Language) 12
- Physics 12
- Principles of Mathematics 12
- Punjabi 12
- Russian 12
- Secwepmutsin 12
- Shushishalhem 12
- Sim'algaxhi Nisg'a' 12
- Sm'algyax 12
- Spanish 12
- Upper St'at'imcets 12

Approved Science 12 Courses
- Biology 12
- Chemistry 12
- Geography 12
- Geology 12
- Physics 12

Approved Fine Arts 12 Courses
- Art Foundations 12
- Choral Music 12: Concert Choir
- Choral Music 12: Vocal Jazz

Applicants from Secondary School
1. British Columbia/Yukon
The table on page 22 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 they present for admission, if a provincial examination was available in the year in which they took the subject. Only one approved grade 12 course that did not require a provincial examination may be used for admission (e.g., Comparative Civilization 12, an approved locally developed course, or an approved AP or IB course).

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.

BC Ministry of Education approved courses with the designation AP or IB may be accepted as alternatives. AP and IB courses at the grade 12 level do not have provincial examinations.

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 Literature 12
- Farsi 12
- French 12
- Geography 12
- Geology 12
- Geometry 12
- German 12
- Heiltsuk 12
- History 12
- Information Technology 12
- Italian 12
- Japanese 12
- Mandarin 12
- Nslixen (Okanagan Language) 12
- Physics 12
- Principles of Mathematics 12
- Punjabi 12
- Russian 12
- Secwepmutsin 12
- Shushishalhem 12
- Sim'algaxhi Nisg'a' 12
- Sm'algyax 12
- Spanish 12
- Upper St'at'imcets 12

Approved Science 12 Courses
- Biology 12
- Chemistry 12
- Geography 12
- Geology 12
- Physics 12

Approved Fine Arts 12 Courses
- Art Foundations 12
- Choral Music 12: Concert Choir
- Choral Music 12: Vocal Jazz

DO NOT SUBMIT CASH OR CHEQUES. Our online application form accepts VISA/Mastercard only.

Fees are subject to change without notice.
## Year 1 Admission Requirements: BC/Yukon Secondary School Graduates

<table>
<thead>
<tr>
<th>Program</th>
<th>Admission Cut-off</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Business</strong></td>
<td>No Year 1 entry. See Faculty of Business.</td>
</tr>
<tr>
<td><strong>Education (including School of Physical Education)</strong></td>
<td>No Year 1 entry. See Faculty of Education.</td>
</tr>
<tr>
<td><strong>Engineering</strong></td>
<td></td>
</tr>
<tr>
<td>Bachelor of Engineering</td>
<td>Secondary school graduation(^1) with credit for the following courses:</td>
</tr>
<tr>
<td>Bachelor of Software Engineering</td>
<td>- English 11 • Social Studies 11</td>
</tr>
<tr>
<td></td>
<td>- Principles of Mathematics 11</td>
</tr>
<tr>
<td></td>
<td>- Physics 11 • Chemistry 11</td>
</tr>
<tr>
<td></td>
<td>- English 12</td>
</tr>
<tr>
<td></td>
<td>- Principles of Mathematics 12 with at least 75%</td>
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<tr>
<td></td>
<td>- Physics 12 with at least 75%</td>
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<tr>
<td></td>
<td>- an additional approved academic 12 course (Chemistry 12 recommended) with at least 73%</td>
</tr>
<tr>
<td></td>
<td>- an average of 73% or higher on the aggregate of English 12 and the three best approved academic 12 courses</td>
</tr>
<tr>
<td><strong>Computer Science</strong></td>
<td></td>
</tr>
<tr>
<td>Admission Cut-off</td>
<td>Secondary school graduation(^1) with credit for the following courses:</td>
</tr>
<tr>
<td>September 2004: 75%</td>
<td>- English 11 • Social Studies 11</td>
</tr>
<tr>
<td></td>
<td>- Principles of Mathematics 11</td>
</tr>
<tr>
<td></td>
<td>- an approved science 11 course</td>
</tr>
<tr>
<td></td>
<td>- English 12</td>
</tr>
<tr>
<td></td>
<td>- Principles of Mathematics 12</td>
</tr>
<tr>
<td></td>
<td>- an approved science 12 course</td>
</tr>
<tr>
<td></td>
<td>- an additional approved academic 12 course</td>
</tr>
<tr>
<td></td>
<td>- an average of 67% or higher based on English 12 and the three required academic 12 courses</td>
</tr>
<tr>
<td><strong>Fine Arts</strong></td>
<td></td>
</tr>
<tr>
<td>Admission Cut-off</td>
<td>Secondary school graduation(^1) with credit for the following courses:</td>
</tr>
<tr>
<td>September 2004: 80%</td>
<td>- English 11 • Social Studies 11</td>
</tr>
<tr>
<td>- History in Art: 80%</td>
<td>- three courses chosen from Principles of Mathematics 11 (or equivalent), an approved science 11, an approved language 11, an approved fine arts 11</td>
</tr>
<tr>
<td>- Writing: 83%</td>
<td>- English 12</td>
</tr>
<tr>
<td>- Music, Theatre, Visual Arts</td>
<td>- an additional three approved academic 12 courses, one of which may be an approved fine arts 12</td>
</tr>
<tr>
<td></td>
<td>- an average of 67% or higher on English 12 and the three academic 12 courses</td>
</tr>
<tr>
<td></td>
<td>- additional requirements such as portfolio, questionnaire or audition are required by Music, Theatre and Visual Arts. Please refer to the appropriate department entry and/or website.</td>
</tr>
<tr>
<td><strong>Human and Social Development</strong></td>
<td></td>
</tr>
<tr>
<td>(Health Information Science)</td>
<td>No Year 1 entry for Child and Youth Care, Nursing and Social Work.</td>
</tr>
<tr>
<td>Admission Cut-off</td>
<td>Secondary school graduation(^1) with credit for the following courses:</td>
</tr>
<tr>
<td>September 2004: 75%</td>
<td>- English 12</td>
</tr>
<tr>
<td></td>
<td>- Principles of Mathematics 12</td>
</tr>
<tr>
<td></td>
<td>- two additional approved academic 12 courses</td>
</tr>
<tr>
<td></td>
<td>- an average of 67% or higher based on English 12 and the three required academic 12 courses</td>
</tr>
<tr>
<td><strong>Humanities</strong></td>
<td></td>
</tr>
<tr>
<td>Admission Cut-off</td>
<td>Secondary school graduation(^1) with credit for the following courses:</td>
</tr>
<tr>
<td>September 2004: 80%</td>
<td>- English 11 • Social Studies 11</td>
</tr>
<tr>
<td></td>
<td>- Principles of Mathematics 11</td>
</tr>
<tr>
<td></td>
<td>- an approved science 11 course</td>
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<tr>
<td></td>
<td>- an approved second language 11</td>
</tr>
<tr>
<td></td>
<td>- English 12</td>
</tr>
<tr>
<td></td>
<td>- three additional approved academic 12 courses</td>
</tr>
<tr>
<td></td>
<td>- an average of 67% or higher on English 12 and the three additional academic 12 courses</td>
</tr>
<tr>
<td><strong>Law</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No Year 1 entry. See Faculty of Law.</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td></td>
</tr>
<tr>
<td>Admission Cut-off</td>
<td>Secondary school graduation(^1) with credit for the following courses:</td>
</tr>
<tr>
<td>September 2004: 80%</td>
<td>- English 11 • Social Studies 11</td>
</tr>
<tr>
<td></td>
<td>- Principles of Mathematics 11</td>
</tr>
<tr>
<td></td>
<td>- Chemistry 11</td>
</tr>
<tr>
<td></td>
<td>- Physics 11</td>
</tr>
<tr>
<td></td>
<td>- English 12</td>
</tr>
<tr>
<td></td>
<td>- Principles of Mathematics 12</td>
</tr>
<tr>
<td></td>
<td>- two approved science 12 courses (Physics 12 strongly recommended)</td>
</tr>
<tr>
<td></td>
<td>- an average of 67% or higher on the four required grade 12 courses</td>
</tr>
<tr>
<td><strong>Social Sciences</strong></td>
<td></td>
</tr>
<tr>
<td>Admission Cut-off</td>
<td>Requirements are the same as those for the Faculty of Humanities.</td>
</tr>
<tr>
<td>September 2004: 80%</td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Graduation from a secondary school as prescribed by the British Columbia Ministry of Education (or equivalent).

\(^2\) The actual average required for Winter Session 2005-2006 may be higher than the minimum published average and may differ from the cut-offs shown above due to limits on enrollment.
Applicants require qualifications equivalent to those shown in the table for students from British Columbia secondary schools.

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 24.

8. Special Admission of Distinguished BC Secondary School Students
Distinguished BC senior secondary school students may apply for conditional admission to the University before they graduate if they meet the following criteria:
1. The student is recommended for admission by the school principal.
2. The student is maintaining a 73% average in all subjects and an 86% 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 principal must make a special recommendation, in writing, stating the student's particular aptitudes.
3. The University department concerned supports the student's application.
4. The student is completing the full range of grade 11 and grade 12 courses required to earn normal admission to the University. Students who meet the above criteria are admitted to the University as “special students” and may register in no more than 6 units of work 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 offered 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.

Special Access
The University of Victoria is interested in extending university-level learning opportunities to residents of British Columbia who may not qualify under the normal categories of admission.
Note: Applicants who have attempted a full year or equivalent of university-level courses are not eligible to apply under this category.
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 at least one of the following criteria:
• the applicant is at least 23 years of age by the beginning of the session applied for, or
• 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.
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 those of First Nations, Métis and Inuit ancestry.
Applications from First Nations, Métis and Inuit people 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 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 First Nations organization. References from relatives will not be accepted. Applicants must also submit a personal letter outlining their academic objectives.

Qualifying Student
Students who do not meet the normal admission requirements, or who have not yet provided documentation to support normal admission, may request "qualifying student status." (Please note that this category is not available for admission to the Faculties of Education and Law.)
Qualifying students will be limited to 6 units of courses per Winter Session and 3 units per Summer Session to a maximum of 12 units attempted overall and will be classified as "non-degree" students. Qualifying students will be assigned first registration dates after all other students have had the opportunity to register.

Students who have been required to withdraw from any post-secondary institution during the previous three years are not eligible under this category.
The University reserves the right to limit the number of students admitted under this category.
Qualifying students are required to meet normal prerequisite requirements for entry into specific courses.
Qualifying students must meet all admission requirements and submit all relevant documents if they wish to change status from Qualifying to Regular student. Qualifying students may apply for a change of status at any time before reaching the 12-unit maximum. However, normal admission requirements must be met by the time the maximum is reached for the student to continue at UVic.

Auditor
See page 29 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, Social Sciences and Human and Social Development (Health Information Science only). 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 academic record may be refused permission to transfer, even if they meet the minimum admission requirements. See University's Right to Limit Enrollment, page 10.

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 122.)

Transfer Credit
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 from other accredited institutions is determined by the relevant academic department and Undergraduate Admissions. Visiting and non-degree students are not assigned transfer credit.

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 the Faculty of Science, 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.

Note: Transfer Applicants to Health Information Science
In addition to the requirements set out below, transfer applicants to Health Information Science must:
• meet the Year 1 requirements for admission to Health Information Science directly from secondary school, or
• have transfer credit for at least 12 units of courses, with a minimum overall average of B-.

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 taken 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 meet the minimum requirements for admission to Year 1 (see page 22).

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 fulfill all prerequisites in the degree program to which they are admitted.

Institutes of Technology
Applicants who have completed one full year 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. Nor-
Applicants who have completed a three-year diploma program, with a minimum cumulative average of B, are eligible for consideration. Normally, up to 15.0 units of credit is granted upon admission.*

*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.

**Canadian Bible Colleges**

Courses can be considered for 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.

**International Baccalaureate Credits**

Applicants who have been granted admission based on the International Baccalaureate Diploma are normally eligible for 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 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 for further information.

**Documentation Required for Admission**

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current BC Secondary School Students</strong></td>
<td>Applicants should apply by February 28 for early admission 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.</td>
</tr>
<tr>
<td><strong>Current Secondary School Students from Other Parts of Canada and the United States</strong></td>
<td>Applicants should apply by February 28 for early admission and have their secondary school forward two official transcripts to Undergraduate Admissions showing all courses taken and confirming graduation. Applicants from Ontario are advised to apply via the Ontario Universities’ Application Centre and then will not have to send transcripts from their schools.</td>
</tr>
<tr>
<td><strong>All Secondary School Graduates</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Expanded Qualifications</strong></td>
<td>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 at <a href="http://www.uvic.ca/adms/">www.uvic.ca/adms/</a>.</td>
</tr>
<tr>
<td><strong>Transfer Students</strong></td>
<td>Applicants must have two official final transcripts of both secondary education and post-secondary education sent from the issuing institutions to Undergraduate Admissions.</td>
</tr>
<tr>
<td><strong>International Transfer Students</strong></td>
<td>In addition to official final transcripts as indicated above, applicants must arrange for course syllabus/ outlines to be sent to Undergraduate Admissions.</td>
</tr>
<tr>
<td><strong>Visiting Students</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Degree Holders</strong></td>
<td>Applicants must have two official final transcripts of all post-secondary work, including proof of conferral of the degree, sent by the issuing institution to Undergraduate Admissions.</td>
</tr>
</tbody>
</table>

**2005-06 UVIC CALENDAR**

**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 area of study or academic emphasis of the second degree must be distinct from that of 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 program to confirm that they will be able to include these courses in their second degree program.

Students can apply for admission to a second bachelor’s degree by the usual procedure for admission or reregistration, as appropriate. Students currently enrolled in their first bachelor’s degree program should make application to the Dean of the appropriate faculty.

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

**International Applicants**

Applicants should contact Undergraduate Admissions and request an International Undergraduate Application, which contains the admission requirements for applicants from all countries from which the University currently receives applications. The international application fee is $100 (Canadian). This fee applies to any student whose transcripts come from institutions outside Canada. Exchange students should contact the International and Exchange Student Services Office directly (fax: 250-472-4443).

The International Undergraduate Handbook is also available at the following website: <www.uvic.ca/adms/website/international/international.html>.

**Admission to First Year at International Partner Institutions**

Students who apply for first-year admission to University of Victoria courses offered at international partner institutions will be admitted at the discretion of the partner institution. Partner institutions normally follow the admission requirements for local post-secondary institutions. Students will be granted provisional admission to the University of Victoria campus until the provisions are removed.
In order to transfer to the University of Victoria, students must:

- meet the University’s English Requirement;
- have completed at least 12 units of UVic course work (or equivalent course work offered by the partner institution as approved for transfer credit by the University) with a grade-point average that meets the prevailing cutoffs for BC college/university transfer students; and
- have completed any specific prerequisites for admission to particular programs and/or faculties.

**International Applicants: Admission Requirements**

The following qualifications are the minimum required for consideration for undergraduate admission to Year 1 in the Faculty of Humanities and the Faculty of Social Sciences. Additional requirements and specific subject requirements may be needed, depending on the specific faculty and department. For more information, please refer to Undergraduate Admission—Important Application Information, page 20.

Those 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.

For a comprehensive listing of country-specific International Admission Requirements, please visit: <web.uvic.ca/adms/website/requirements/international.html>

**Commonwealth Caribbean:** The Caribbean Examinations Council (CXC) Secondary Education Certificate and a Preliminary Year at the University of the West Indies OR the GCSE and GCE “A” Level examinations OR the Caribbean Advanced Proficiency Examination (CAPE) offered by the CXC in six CAPE units, including all required subjects for admission to specific faculties/programs; see also United Kingdom and Commonwealth.

**International Baccalaureate:** Applicants who have successfully completed the IB Diploma program requirements with a minimum of 28 points may be considered for admission. The IB Diploma must include three subjects at the higher level and three subjects at the standard level. Students are eligible to receive 15 units of transfer credit (equivalent to one full year). Current IB students must have their school submit predicted IB marks.

IB Certificate students who have completed higher level subjects without completing the full diploma are eligible for transfer credit. Each subject completed with a grade of 4 or higher (except Chemistry, where the minimum grade is 5) at the higher level may receive 3 units of credit.

**Russian-Patterned Education:** Minimum requirement for admission consideration is the Svidetel’stvo/Attestat o Srednem Obrazovanii/Attestat o Sredinem Obrazovani (or) Osnovnem Obrazovani after 1991, with very good results overall and in appropriate subjects.

**United Kingdom and Commonwealth:** Standing must be obtained in at least five subjects, of which two must be at the Advanced level. The remainder may be any combination of Advanced Supplementary (AS) or Ordinary (O) level subjects. One of the five subjects must be English. Two subjects at the AS level may be substituted for one subject at the Advanced level. Current students must have their school submit predicted A or AS level marks. Exams must be conducted by an examining board located in the UK or an equivalent authority based elsewhere. For example, the Hong Kong Advanced Level Examinations (HKALE); the Caribbean Examinations Council (CXC); or the West African Examination Council (WAEC).

Each A-level subject completed with a grade of C or higher may be eligible to receive three units of transfer credit at the first- or second-year level, to a maximum of 12 units.

**USA:** Grade 12 in an accredited high school, including two semesters of English and six semesters of acceptable academic subjects. All eight semesters must be at the senior level. SAT and ACT scores and other tests will also be considered. Students who have passed Advanced Placement examinations administered by the College Entrance Examination Board in selected subjects with a minimum grade of 4 will receive transfer credit.

**Argentina:** Bachillerato Especializado in an academic program.

**Australia:**

- ACT: Year 12 Certificate/Tertiary Entrance Statement/Universities Admissions Index (UAI)
- NSW: Higher School Certificate/T.E. scores/UAI
- NT: SACE Certificate/N.T. Year 12 Senior Secondary Studies Certificate/UAI
- QLD: Senior Certificate/T.E. scores/OP (Overall Position)
- SA: Year 12 Certificate of Achievement/SACE Certificate/Higher Education Entrance Score
- TAS: Tasmanian Certificate of Education + T.E. score/UAI
- VIC: Victorian Certificate of Education + T.E. rank/UAI
- WA: Certificate of Secondary Education + T.E. scores/UAI

**Austria:** Reifeprüfungzeugnis (“Matura”) / Reifezeugnis

**Bahamas:** 12 years of schooling, a combination of CXC and/or British GCSE examinations; Freshman Year at the College of the Bahamas; a combination CXC and/or GCSE exams and two appropriate CEEB Advanced Placement Exams (for certain faculties/programs); see also United Kingdom and Commonwealth; USA

**Bahrain:** Tawjahiya/National Secondary School Education/Leaving Certificate

**Bangladesh:** Higher Secondary Certificate

**Bermuda:** 12 years of schooling, Bermuda Secondary School Certificate or British GCSE examinations; Bermuda College Freshman Year; see also United Kingdom and Commonwealth; USA

**Bolivia:** Bachillerato

**Brazil:** Certificado de Conclusao de 2 Grau/Concurso Vestibular (University Entrance Exam)

**Chile:** Licencia de Educación Media + Prueba de Aptitud Académica (PAA) or Prueba de Selección Universitaria (PSU) if after 2003

**China (PRC):** Senior school marks from Grades 1, 2 and 3, Senior High School Graduation Examination and Chinese National University Entrance Examinations

**Colombia:** First-year standing in a recognized university

**Denmark:** Studentereksamen/Højere Forberedelseseksamen/Højere Handelsexamen/Højere Tekniske Eksamen

**Ecuador:** Bachillerato

**France:** Baccalauréat de l’Enseignement du Second Degre/Baccalauréat Technologique/ Diplôme de Bachelor de l’Enseignement du Second Degré

**Germany:** Abitur/Reifezeugnis/Zeugnis der Allgemeinen Hochschulreife

**Ghana:** Senior Secondary Certificate Examinations/West Africa Senior Certificate Examination and University Entrance Exam (if before 2000)

**Greece:** Apolytirion of Lykeion + General Entrance Examination (up to 1999). After 1999: Apolytirio Eniaiou Lykeiou

**Hong Kong:**

- (1980 and after): The Hong Kong Advanced Level Examinations; see also United Kingdom and Commonwealth
- Po Leung Kuk Community College of Hong Kong (SAR): The University of Victoria in co-operation with Po Leung Kuk Community College of Hong Kong (SAR), offers a two-year full-time program leading to an Associate Degree in Social Sciences and Science which is accredited by the Hong Kong Council for Academic Accreditation. The program is equivalent to the first- and second-year studies at the University of Victoria. The program is coordinated by the Office of International Affairs at the University of Victoria. Course outlines, assignments, tests and examinations are set in close collaboration between the College of Arts instructors and the respective departments at the University.

- Transfer to the University for further study toward a degree requires that the applicant complete a minimum of 12 units of university transferable credits and achieve a minimum grade average established each year for admission to the University of Victoria from BC college/university students.

- Applicants who have been granted an Associate Degree will be awarded 30 units of transfer credit if admitted to a degree program.

**Hungary:** Gimnaziumi Erettségii Bizonyítvány (Matura)

**India:** All India Senior School Certificate awarded by CBSE (after 12 years)/Indian School certificate (awarded by ICSE)

**Indonesia:** (since 1994): Surat Tanda Tamat Belajar S.M.A.; (up to 1993) Ijazah S.M.A. (Sekolah Menengah Atas)

**Iran:** Diploma Metevaseth/National High School Diploma (after 12 years) or pre-university year

**Iraq:** Sixth Form Baccalauréat

**Italy:** Diploma di Maturità until 1997/Diploma di Superamento dell'Esame di Stato
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.

Students Continuing from the Previous Session

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

Summer Studies: All eligible students who attended UVic during Summer Studies (but not during the most recent Winter Session) and who plan to attend the subsequent Winter Session will be authorized automatically for reregistration.

Other Returning Students

Students who were not registered in the most recent session must submit an application for reregistration. A $15.00 fee is required with the application to reregister from all students (including off-campus) not registered in the most recent Winter Session or Summer Studies. Applications received after the published deadline may be charged a $35 late fee. Applications to reregister are available from the Undergraduate Records website: <www.uvic.ca/reco>

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 and to submit official transcripts of their academic records at these institutions by the due date shown on page 8. Eligibility to register will be based on performance in studies elsewhere, in association with the student's latest status at UVic (e.g., probation). See Minimum Sessional Grade-point Average, page 36.

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.

Undergraduate Registration

Information on how to register and the day, time, place and instructor for courses is provided at the Undergraduate Records website: <www.uvic.ca/reco>.

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 enrollment 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 returning student, by an e-mail or hard copy Authorization to Reregister, will be informed about the procedures for registration.
UNDERGRADUATE INFORMATION

- 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 Minimal Sessional Grade-point Average and Academic Probation, page 36.
- 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
  - **July-August courses**
    - first 2 class meetings
  - **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 U Vic more than seven years ago must consult the appropriate departments to ensure they do not duplicate courses that now have a different number.

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 <www.uvic.ca/reco>.

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 37.)

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.

Students are advised to obtain the prior consent of the Dean or designate of the faculty concerned to ensure that transfer credit is recognized. (See the regulations for individual faculties.)

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 U Vic degree program must receive prior approval in the form of a Letter of Permission from the appropriate faculty advising office. For information about other specific requirements, contact the faculty advising office.

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 to take courses elsewhere. Note: Transfer credit is assigned upon receipt of an official transcript from the institution visited; no letter grades are recognized or assigned.

Applications for Letters of Permission by students must be accompanied by payment (see Miscellaneous Fees, page 42).

Registration in Graduate Courses by Undergraduates

See the UVic Graduate Calendar for information.

UNDERGRADUATE ENGLISH REQUIREMENT

All undergraduate students, including diploma, certificate and unclassified students, must complete 1.5 units of first-year English (except ENGL 181 and 182). 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 any provincial Grade 12 English examination or Grade 12 U English (Ontario) or in OAC English within the three years prior to admission
- a score of Level 6 on the Language Proficiency Index (LPI)

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 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
  - E-mail: tests@ares.ubc.ca
  - Web: www.lpi.ubc.ca

Students who have received a school or interim grade of 86% or higher in English 12 may register for ENGL 125, 135 or 145 without writing the LPI.

Placement following the LPI

<table>
<thead>
<tr>
<th>Placement score</th>
<th>Placement</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPI Level 1 or 2</td>
<td>LING 099</td>
</tr>
<tr>
<td>LPI Level 3</td>
<td>ENGL 099</td>
</tr>
<tr>
<td>LPI Level 4</td>
<td>ENGL 115</td>
</tr>
<tr>
<td>LPI Level 5</td>
<td>ENGL 125, 135 or 145</td>
</tr>
<tr>
<td>LPI Level 6</td>
<td>Exempt; may register for ENGL 125, 135 or 145</td>
</tr>
</tbody>
</table>

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. 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.

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 at LING 099. The attempts must occur in consecutive terms. Students who do not register in LING 099 in four consecu-
tive terms or who fail after four 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. Students who fail ENGL 099 must repeat the course in each subsequent term until they are placed in ENGL 115. Students are allowed four attempts at ENGL 099. The attempts must occur in consecutive terms. Students who do not register in ENGL 099 in four consecutive terms or who fail after four 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 is necessary to satisfy the University English Requirement. Upon successful completion of ENGL 099, students 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.

Deadline for Completing the English Requirement

Students who are NOT exempt from the English requirement must register in 1.5 units of English 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 1.5 units of English 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 the BC Open University, 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 on the previous page 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 Studies Supplement to this Calendar.

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, serving the Faculties of Humanities, Science and Social Sciences, for specific information on prerequisites.
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.

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 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 on 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 enrollment 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.

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 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 Studies, 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 and Statement of Grades/Authorization to Reregister, issued at the end of Winter Session and Summer Studies or at the time the duplication is recognized if it occurs after the end of the session.

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 consult 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
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 page 23). 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 to CUSAP up to 15 students may be selected from UVic each year. Applications must be received by the following dates:
- March 1 for Spring 2005 (May–June)
- March 12 for Summer 2005 (June–July)
- June 7 for September 2005
- October 15 for January 2006

For an upper-year program application, contact:
Dr. Michael Edgell, Director and Assistant Dean
Academic Advising Centre
Faculties of Humanities, Science and Social Sciences
PO Box 3045 STN CSC
Victoria, BC Canada V8V 3P4
Phone: (250) 721-7565
E-mail: dadv@uvic.ca

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 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, Bachelor of Engineering and Bachelor of Software Engineering courses.
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 de-registered from the course at any point. 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, the original grade remains on the student's record during the session in which it is taken.
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 PDAs 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 advisor.

**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 where an instructor has distributed clear written instructions prohibiting certain kinds of collaboration on group projects, students who 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 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 major part of the student's thesis should result in the 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 university 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 (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.

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 36.)

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**

**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 Studies 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.

**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
A student who is affected by illness, accident or family affliction should immediately consult with Counselling Services, University Health Services or another health professional. In such cases, the student may apply for an academic concession due to illness, accident or family affliction.

Applications must be accompanied by supporting documentation in all cases.

An academic concession may be:
- a deferral of a final examination, test or other work
- a drop of course(s) without academic and/or fee penalty after the published withdrawal deadline, including withdrawal from the academic session
- an Aegrotat (AEG) grade

Students may request, directly from the course instructor, deferral or substitution of a mid-term test/examination or of other work which is due during the term. Arrangements to complete such missed or late work must be made between the student and the instructor. If the request for deferral or substitution of term work is denied, the student may appeal as described under Appeals, page 38. If the due date for the deferred work is beyond the end of the term, the student must submit a Request for Academic Concession to Undergraduate Records (see Deferred Status, below).

Students requesting consideration for a drop of courses without academic penalty after the published withdrawal deadline should submit a Request for Academic Concession to their faculty or program advising office.

Students requesting that a status of DEF (Deferred) or a grade of AEG (Aegrotat) be entered for a course on their academic record at the end of a session must submit a Request for Academic Concession to Undergraduate Records (see Deferred Status, below).

Students who complete all course requirements, including writing the final examination, are not eligible for an academic concession. Exceptions may only be considered by the Dean (or designate) of the student's faculty if there is supporting documentation that the student was not medically or otherwise fit to make a decision on whether or not to write the examination. A Request for Academic Concession must be submitted to Undergraduate Records as soon as possible after the examination and before the results of the examination 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 <www.uvic.ca/exams> 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
- 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 use any of books or papers other than those provided by the invigilators or authorized by the instructor in charge of the course.
- Candidates may not communicate in any way with each other. Candidates are not permitted to ask questions of the invigilator, except in cases of supposed errors in the papers.
- A candidate who believes there is an error 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 may not leave the examination room without first delivering their examination booklet/s to the invigilator.
- Candidates are advised not to write extraneous material in examination booklets.
- Candidates who wish to speak to the invigilator should raise their hand or rise in their place.
- Candidates may be called upon by an invigilator to produce a UVic Identity Card.
- Candidates leaving or entering examination rooms should do so quietly in order not to disturb others. Having left the examination room, candidates are asked not to gather in adjacent corridors, lest they disturb candidates who are still writing.
- 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.

- 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.

Deferred Status
- A student who becomes ill during an examination or misses an examination because of illness, an accident or family affliction may be eligible for a deferred examination.
- A student may also apply for deferred status to complete required term work.
- A student must apply for Deferred (DEF) status or Aegrotat (AEG) status by completing a Request for Academic Concession at Undergraduate Records normally within ten working days of the end of the examination period. Supporting documentation must accompany the request.
- Undergraduate Records will ask the instructor concerned to consider the request. If deferred status is not granted, the instructor will submit a final grade. In cases 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 course work, the grade will appear on the student's record with the notation AEG (see Grading, page 35).
- If deferred status is granted, any required course work (including exams) must be completed by the end of the following term.
- Courses ending in December must be completed by April.
- Courses ending in April must be completed by August.
- Summer Studies courses must be completed by December.
- Deferred status 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.
- 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 December and are also offered in the second term, deferred final examinations are normally given in April, and for courses that finish in April, deferred final examinations are normally held by Undergraduate Records normally within ten working days of the end of the examination period. Supporting documentation must accompany the request.
- Undergraduate Records will normally send an e-mail to students who have deferred final examinations.
- If the deferred examination is not to be handled through the department, arrangements will be made through Undergraduate Records. Undergraduate Records will normally send an e-mail regarding deferred examinations, with a link to the deferred examination application. 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. Also, the application to write a deferred exam is accessible at <www.uvic.ca> (select Forms).
- Deferred 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 $50 on campus and $60 off campus.

Grading

The table on the next page 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.

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 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 not to have their grades posted.

Students’ grades are available at the Undergraduate Records website: <www.uvic.ca/reco> and select WebView.

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 of 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 33; Student Access to Final Examinations Under Review, page 35; 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 Grading

<table>
<thead>
<tr>
<th>Temporary Grades</th>
<th>Grade Point Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INC</td>
<td>N/A</td>
<td>Incomplete. Used for those Winter Session credit courses designated by the Senate, to be replaced with a final grade by June 1. Such courses are identified in the course listings.</td>
</tr>
<tr>
<td>DEF</td>
<td>N/A</td>
<td>Deferred status granted. Used only when deferred status has been granted because of illness, an accident or family affliction. See Deferred Status, page 33.</td>
</tr>
<tr>
<td>UNK</td>
<td>N/A</td>
<td>Unknown. Used when grade is unknown.</td>
</tr>
<tr>
<td>INP</td>
<td>N/A</td>
<td>In Progress. Used only for courses designated by the Senate, to be replaced with a final grade by the end of the next Winter Session. If the student does not reregister, then the final grade will be N. Such courses are identified in the course listings.</td>
</tr>
<tr>
<td>CIC</td>
<td>N/A</td>
<td>Co-op Interrupted Course. See Co-op Regulations (14), page 43.</td>
</tr>
<tr>
<td>COM</td>
<td>N/A</td>
<td>Complete (pass). Used only for 0-unit courses and those credit courses designated by the Senate. Such courses are identified in the course listings.</td>
</tr>
<tr>
<td>AEG</td>
<td>N/A</td>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Failing Grades</th>
<th>Grade Point Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>0</td>
<td>Conditional supplemental.</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>Unsatisfactory performance. Wrote final examination and completed course requirements; no supplemental.</td>
</tr>
<tr>
<td>N</td>
<td>0</td>
<td>Did not write examination or complete course requirements by the end of term or session; no supplemental.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Passing Grades</th>
<th>Grade Point Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>9</td>
<td>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.</td>
</tr>
<tr>
<td>A</td>
<td>8</td>
<td>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.</td>
</tr>
<tr>
<td>A-</td>
<td>7</td>
<td>Satisfactory, or minimally satisfactory. These grades indicate a satisfactory performance and knowledge of the subject matter.</td>
</tr>
<tr>
<td>B+</td>
<td>6</td>
<td>Marginal Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.</td>
</tr>
<tr>
<td>B</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>B-</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>C+</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

- Undergraduate Records will return 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 and the entry Deferred Status, both on page 34).

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 written 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 42). Transcripts will be issued within five working days after a request is received by Undergraduate Records, unless a priority request is made.

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 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 COM-graded courses) 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 Summer Studies.

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).

Students whose sessional grade-point average is less than 2.0 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 set a higher sessional grade-point average.

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 4.5 units or more in a session whose grade-point average is less than 1.0 will be required to withdraw, normally for one academic year. If a student has started Summer Session courses before receiving notice of unsatisfactory standing, these courses may be completed, but the student will be required to then withdraw, normally for one academic year. 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 probation for the next session attended rather than being required to withdraw. 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. A review will be made of the student's record by the Dean of the faculty concerned, and the student will be informed of the Dean's decision.

A student who is on academic 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. 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.

All students who have been required to withdraw must apply to reregister. 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 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/Registration Decisions, page 20, may appeal to the Senate Committee on Admission Registration 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.

Students will be notified by Undergraduate Records 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 Course or other workshops offered by Counselling Services.

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, below).

Students who are on probation, or whose standing is withheld in their most recent session because of deferred status, are not eligible for registration 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, was determined to be above the minimum by the faculty concerned, the student will be authorized. 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.

**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, Registration 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 34. 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 Sessional Grade-point Average and Academic Standing, page 36, 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 Studies students should refer to the Summer Studies Supplement to this Calendar.

**Voluntary Withdrawal**
A student who is permitted to reregister following a requirement 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 34. 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 Sessional Grade-point Average and Academic Standing, page 36, 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 Studies students should refer to the Summer Studies Supplement to this Calendar.

**Minimum Degree Requirements for Graduation**
Each candidate for a first bachelor's degree (in a faculty other than Law) is required:
1. to have satisfied the University English requirement (see page 28)
2. 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-degree students are advised to refer to the regulations specific to the School of Nursing; see Minimum Degree Requirements, page 122.)
3. to meet the specific degree and program requirements prescribed by the undergraduate faculty in which the candidate is registered
4. 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 over-all/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 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 those students whose grad-
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 UVic Ombudsperson, (see page 17). A student seeking a formal review of an assigned grade should consult the regulations on page 35.

Appeals to the Senate
Once all the appropriate recourse have been exhausted, a student may have the right of final appeal to the Senate. Except on those matters concerned solely with the exercise of academic judgment, students may appeal to the Senate. Students should submit their appeal in writing to the Senate as soon as practicable, usually within 14 days from the time the student learns of the decision of the body whose decision, act or treatment is being appealed (including the name of the person or body whose decision, act or treatment is being appealed).

Terms of Reference for Senate Committee on Appeals
1. Preamble:

(a) A student may appeal to the Senate on any matter within the jurisdiction of the Senate as set out in the University Act, except those matters in which the sole question raised turns on the exercise of academic judgment. In accordance with the University Act, the Senate has delegated to Hearing Panels of the Standing Committee on Appeals the authority and responsibility to decide, on behalf of the Senate, all appeals from students.

(b) Prior to filing an appeal, a student must have pursued and exhausted all other reviews, appeals and/or other remedies provided by the University Calendar or by the Appellant's faculty.

2. Standing Committee on Appeals

(a) Composition
The membership of the Committee shall consist of fourteen (14) members appointed by the Senate on the recommendation of the Senate Committee on Committees and membership is not restricted to members of Senate. The membership of the Committee shall consist of:

(i) Nine (9) faculty members, one from each faculty other than the Faculty of Graduate Studies, at least six (6) of whom shall be members of Senate;

(ii) One (1) graduate student;

(iii) Three (3) undergraduate student senators from at least two different faculties, and

(iv) One (1) of the Senators elected by Convocation or appointed by the Lieutenant Governor-in-Council.

(b) Vacancy on the Committee
A vacancy on the Committee shall be designated by the Senate Committee on Committees from among the nine faculty members on the Committee. An appointment so made shall be subject to the approval of the Senate at its next ordinary meeting.

(c) Chair
The Chair and Vice-Chair of the Committee shall be designated by the Senate Committee on Committees.

(d) Secretary
The Secretary of Senate (or designate) shall serve as a non-voting Secretary of the Committee.

(e) Quorum of Committee
A quorum for a meeting of the Committee shall be 50% of the members of the Committee plus one (1).

3. Hearing Panels

(a) Hearing Panels
Each hearing shall be heard by a Hearing Panel composed of members of the Senate Committee on Appeals. A Hearing Panel may explore the resolution of an appeal by mediation.

(b) Composition of Hearing Panels
Each Hearing Panel shall normally consist of five (5) members of the Senate Committee on Appeals composed as follows:

(i) The Chair or Vice-Chair of the Senate Committee on Appeals who shall serve as the Chair of the Hearing Panel,

(ii) At least one (1) student. Participation by a second student is desirable; if a second student is available and willing to attend, the number of panelists will then be six.

(iii) At least two (2) Faculty members, of whom one will normally be either from an area of study that is related to the area of study to which the appeal relates or from an academic unit which has a program that comprises practices or procedures that are similar to the program to which the appeal relates,

(iv) One additional member, and, when it is formed, at least three (3) members of each Hearing Panel shall be Senators. Except for the Chair of the Hearing Panel, the University Secretary shall select the members for each Hearing Panel at random in a manner that satisfies the preceding composition of the Hearing Panel.

(c) Chair of Hearing Panel
Where neither the Chair nor the Vice-Chair of the Senate Committee on Appeals is able to serve on a Hearing Panel, or at the request of the Chair, the University Secretary shall designate another member of the Senate Committee on Appeals as the Chair of the Hearing Panel.

4. Hearing Panel Procedural Guidelines
The Committee shall adopt Procedural Guidelines that will govern the conduct of hearings by Hearing Panels, and the Committee may, where a majority of all the members of the Committee
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 fees are for 2004-2005. At the date of publication, the increases, if any, for 2005-2006 have not yet been set by the Board of Governors.

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 the web registration system, rather than rely upon instructors to drop them due to non-attendance.
• Students waitlisted for courses are responsible for monitoring their registration status with 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.

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.

Proceeds of undergraduate awards received or granted by the University are credited to fee accounts.

Making Payments
Students are asked to make their payments through a bank branch, banking machine, 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 paying through banking machines or bank branches should allow at least two weeks 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

Proceeds of undergraduate awards received or granted by the University are credited to fee accounts.

Overdue accounts
A service charge of 1.5% annualized at 19.6% (minimum $2.00), 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 web registration;
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 enrollment 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 for pickup at the University Centre foyer, usually in mid-February, for students taking courses on campus at that date. Notices for dates will be posted in early February. All other T2202As are mailed to students by the end of February.

**Fee Reductions**

To obtain fee reductions, students must drop courses through the web registration system 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 web 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 web registration site (<www.uvic.ca/reco>) 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 20 100%
- October 11 50%

For second-term courses and second half of full-year courses:

- On or before: January 17 100%
- February 7 50%

For courses with unusual start dates or shorter durations (days shown are calendar days, not lectures):

<table>
<thead>
<tr>
<th>Duration</th>
<th>100% reduction</th>
<th>50% reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-5 days</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>6-14</td>
<td>first 1 day</td>
<td>N/A</td>
</tr>
<tr>
<td>15-31</td>
<td>first 5 days</td>
<td>N/A</td>
</tr>
<tr>
<td>32-62</td>
<td>first 7 days</td>
<td>next 7 days</td>
</tr>
<tr>
<td>63 or more</td>
<td>first 14 days</td>
<td>next 21 days</td>
</tr>
</tbody>
</table>

**Other Fee Reductions**

Athletics/Recreation and Students’ Society fees will be reduced by 50% for students who submit a withdrawal from the university form or letter of withdrawal to Undergraduate Records by October 11 or February 7.

**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 Reduction Appeals Committee, c/o Manager, Tuition Fee Assessments, 2nd Floor, University Centre.

**FEES FOR UNDERGRADUATE PROGRAMS**

The table at right 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 $100.00 to Accounting Services 24 hours before gaining access to the web registration system. 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 .......................... $282.60
- International ....................... $833.00

**Course challenge: per credit unit**

- Domestic .......................... $141.40
- International ....................... $416.60

**Co-op program, per work term**

- Domestic .......................... $638.20
- International ....................... $1786.30

**Co-op work term challenge**

- Domestic .......................... $319.30
- International ....................... $893.60

**Cultural Resource Management Program**

HA 488 and HA 489 (1.5 credit unit) .... $550.00

**Law Tuition**

**Full time, per term**

- Domestic .......................... $3710.60
- International ....................... $8987.00

**Part time, per credit unit**

- Domestic .......................... $425.40
- International ....................... $1121.40

**Co-op program, per work term**

- Domestic .......................... $553.50
- International ....................... $1688.50

**Other fees**

- Application fee ........................ $50.00
- First-year acceptance deposits:
  - first, upon acceptance ......... $200.00
  - second, by June 10 .......... $200.00
- Law Students’ Society, per term .... $90.00

**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 .......................... $470.80
- International ....................... $1351.43

ELEC 390, ENGR 446 (1.0 credit unit)

- Domestic .......................... $310.80
- International ....................... $916.30

CSC 390 (6.0–7.5 credit units)

- Domestic .......................... $1844.70–2305.90
- International ....................... $5147.12–6433.90

ENGR 390 (6.0–9.0 credit units)

- Domestic .......................... $1833.20–2824.80
- International ....................... $5405.70–8108.70

**UVic Students’ Society Student Extended Health and Dental Plans**

The UVSS provides a mandatory extended health plan for undergraduate students, which was voted in by student referendum. The premium for students taking on-campus courses is:

- 3.0 or more credit units in the first term (with or without second-term units)
- Extended Health Plan ................ $118.35
- Dental Plan .......................... 118.20
- 3.0 or more credit units in the second term (but less than 3.0 credit units in the first term)
More information about the plan is available at

Students are initially assessed the premium for the UVSS Extended Health and Dental Plans. Students who carry acceptable alternative coverage may opt out of the plans by September 30, 2005 and receive a credit. For students registered in 3 or more units whose studies commence January 2006, the opt out deadline is January 31, 2006. To opt out of the UVSS Student Extended Health and Dental Plans, students must present their current extended health and dental plans membership card, showing the name of the insurance company and the policy number, to the Student Union Building (SUB) Info Booth by the deadline and sign a waiver form.

The University of Victoria provides students' personal information to the University of Victoria Students' Society and its health insurance provider. The information is used solely for adjudicating claims and is not used for any other purpose. Personal information is stored securely and used in accordance with regulations contained in the federal Personal Information Protection and Electronic Documents Act.

More information about the plan is available at the SUB Info Booth (721-8355).

UVic Students’ Society Universal Bus Pass Plan (U-Pass)
The UVSS provides a mandatory bus pass plan for all undergraduate and graduate students. U-Pass was approved by student referendum in 1999. The U-Pass fee is $56.00 per term. U-Pass gives students unlimited access to all Greater Victoria BC Transit buses and HandyDart services at all times and on all days.

The following students only are exempt from the U-Pass plan:
- students who are registered solely in distance education programs
- 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

New and returning students can obtain their UVic ID cards and valid U-Pass stickers at the University Centre or Student Union Building. More information about the plan is available at the SUB Info Booth (721-8355).

Other Undergraduate Fees

UVic Students’ Society fees:
Students taking on-campus courses, per term1
- activity fees ..................................... $50.70
- building fund .................................... $13.00
- Athletics and Recreation fees1 ........... $63.00
- Education Students' Association2 .......... $7.50
- Engineering Students’ Society3 ............ $30.00
- Commerce Students’ Society ............... $25.00

Other Undergraduate Fees

UVic Students’ Society Fees

Tuition 4239.00 5824.00 4239.00 4661.10 7421.20
Athletics/Recreation Fees5 126.00 126.00 126.00 126.00 126.00
UVic Students’ Society Fees5 127.40 127.40 127.40 127.40 127.40
Other Students’ Society Fees5 50.00 15.00 40.00 180.00
UVic Students’ Society Extended Health Plan6 118.35 118.35 118.35 118.35 118.35
UVic Students’ Society Dental Plan6 118.20 118.20 118.20 118.20 118.20
U-Pass Bus Pass 112.00 112.00 112.00 112.00 112.00
Total 4840.95 6475.95 4855.95 5303.05 8203.15
First Payment7 2538.75 3356.25 2546.25 2769.80 4219.85
Second Payment 2302.20 3119.70 2309.70 2533.25 3983.30

1. 10 courses x 1.5 fee units.
2. 10 Business courses x 1.5 fee units.
3. 9 courses x 1.5 fee units plus 1 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 $100 acceptance deposit paid by new students is applied towards the amount due September 30.
## Undergraduate Information

### MISCELLANEOUS FEES

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate application fee</td>
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</tr>
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<td>- if all transcripts come from institutions in BC/Yukon</td>
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</tr>
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<td>- if any transcripts come from institutions within Canada but outside BC/Yukon</td>
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</tr>
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<td>Document evaluation</td>
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<td>Returned cheque</td>
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</tr>
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<td>Supplemental examination, per paper</td>
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<td>- on campus</td>
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<td>Transcripts, per copy</td>
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<td>Transcripts (priority), per copy</td>
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<td>Final grade review fee (refundable if grade review successful)</td>
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<td>Application for second degree or for change of degree status</td>
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<tr>
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<tr>
<td>Degree completion letter</td>
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<tr>
<td>Degree completion letter (priority)</td>
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</tr>
<tr>
<td>Letters of Permission to undertake studies elsewhere, per application, per institution</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

* 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 [web.uvic.ca/safa](http://web.uvic.ca/safa).

### GENERAL REGULATIONS

- **Undergraduate Awards**
  - To be eligible for any scholarship offered by UVic, except the President's Scholarships for Part-Time Undergraduate Students, an undergraduate student must take a full year's program. This is defined as 15 units of credit work, of which 13 units must be graded.
  - Students in the BEd (Elementary) program enrolled in Year 4 will be eligible for awards based on completion of 13 units of course work, of which 10.5 units are graded using the standard nine-point scale.
  - The standing of students who are registered in more than 15 units of courses will be determined on the basis of the grades of the best 15 units of courses.
  - 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. The Committee will consider the effect of the disability on the student's academic program in awarding scholarships.
  - 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 enroll in a full program.
  - 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 application to the Senate Committee on Awards.

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 authorisation. 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 [web.uvic.ca/safa](http://web.uvic.ca/safa).
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 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 Physical 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
- 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 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. 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 (13 weeks minimum), begin in January, May, and September. 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.

2.0 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 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. 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 455 hours (minimum) relevant work experience not previously counted toward work term credit
   (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; this 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, or N) are recorded on the student’s official academic record. A failing grade (F or N) will be assigned if a student fails to complete satisfactorily the requirements for the work term; the requirements include satisfaction performance on the work term and the submission of a satisfactory work term report by the deadline specified by the individual department.

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 (page 39).

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 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 report and receive a second performance evaluation. Normally the second work term should also incorporate an increase in the student’s responsibilities at the workplace. 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.

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, enroll in and undertake work terms in both Co-op programs. 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.

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. Students who elect to graduate before the completion of a work term will not have that work term count toward their degree program; if this is a required work term, they will not graduate with the Co-op designation.

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. Work term students who wish to enroll 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.

**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.

3. 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.

4. 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 38). 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.
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.
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 (Laurier), MBA, PhD (U of Toronto), Professor
Ralph W. Huenemann, BA (Laurier), MBA, PhD (Harvard), Professor Emeritus
Ron K. Mitchell, BS (Calgary), PhD (Utah), Professor, Champion Entrepreneurship Program and Francis G. Winspear Chair in Public Policy Business
Ignace Ng, BA, MA, PhD (SFU), Professor
Craig Pinder, BA (UBC), MA (Minnesota), PhD (Carolyn), Professor
Roger N. Wolff, BSc, MBA (Alta), DBA (Indiana), Professor
Mark Colgate, BSc, PhD (U of Ulster), Associate Professor, Champion Hospitality Services Management Program
Timothy Craig, BA (Wabash Col), Associate Professor, Champion International Business Program
A.R. Elangoan, BCom (Madras), MBA (St Mary’s), PhD (U of Toronto), Associate Professor, Director of International Programs
Carmen Galang, BSc, MA (U of Philippines), PhD (U of Illinois), Associate Professor
Rebecca Grant, BS (Union College), MBA (McGill), PhD (W Ont), Associate Professor
Saul Klein, BA (Hebrew U of Jerusalem), MBA, PhD (U of Toronto), Associate Professor, Lansdowne Professor, Champion International Business Program
David McCutcheon, BEng (RMC of Can), MBA, PhD (W Ont), Associate Professor, Director of Undergraduate Programs
Sang H. Nam, BBA (Seoul), MBA (Bowling Green St), PhD (Oregon), Associate Professor
J. Brock Smith, BCom (Brit Col), PhD (W Ont), Associate Professor
F. Ian Stuart, BSc (Queen’s), MBA, PhD (W Ont), Associate Professor
Stephen S. Tax, BCom (Man), MBA, PhD (Ariz State), Associate Professor
Monika Winn, MA (Tuebingen), MBA, PhD (Calif, Irvine), Associate Professor
Hao Zhang, BCom (People’s U of China), MBA, PhD (Concordia), Associate Professor
Jen Baggs, BA (U of Alberta), MA, PhD (UCB), Assistant Professor
Terry L. Huston, MBA (Ohio State), OD (West Virginia U), PhD (U of Pittsburgh), Assistant Professor
Basma Majerbi, BCom (HEC), DESS (ISG), MSc (HEC), PhD (McGill), Assistant Professor
Ana Maria Peredo, BS (Inca Garcilazo de la Vega University of Peru), MA, PhD (Calgary), Assistant Professor

Boyd Cohen, BS (Miami Univ), MA (South Carolina), PhD (Colorado), Assistant Professor
Anthony Goerzen, BBA (Wilfrid Laurier), PhD (W Ont), Assistant Professor
Christopher Graham, BA (Queen’s), MBA (W Ont), CGA, Senior Instructor, Champion of Management Visiting, Adjunct and Limited Term Appointments
William J. Buckwold, MBA (W Ont), CA, Professor (2001–2011)
Robin Dyke, BA (UBC), MBA (SFU), Adjunct Professor (2003–2006)
Chris Janssen, BA, MBA (U of Goteborg), Ph.D. (Cornell), Adjunct Professor (2002–2005)
John Kyle, BA (UBC), MBA (W Ont), PhD (U of South Hampton), Adjunct Professor (2003–2006)
Vic Lotto, BA (Political Science), Management Training Program (Diploma), Foreign Service Officer (Retired), Adjunct Professor (2003–2006)
Richard Mimic, BSBA (Creighton U), MBA (U of Nebraska), Adjunct Professor (2003–2006)
Martin Marenbeuld, BSc, MSc (Alta), PhD (U of California), Adjunct Professor (2003-2006)
Don Rowlatt, BCom (Saskatchewan), MA, PhD (Princeton), Professor (1999-2009)
Nami Thiyagaratnam, BSc (U of London), MPS (Cornell), Associate Professor (2002-2005)
Kenneth Win, Thormicroft, LLB (UBC), PhD (Case Western Reserve), Professor (2003-2009)

Centre and Program Managers
Mark Colgate, BSc, PhD (U of Ulster), Associate Professor, Champion Hospitality Services Management Program
Timothy Craig, BA (Wabash Col), MA (Indiana), MIM (AGSIM), PhD (U of Washington), Associate Professor, Director of Graduate Programs
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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 the option of concentration in one of the following areas: International Business Management, Entrepreneurship or Hospitality Management (Hospitality/Services Management core). The opportunity to pursue a degree in General Management without a concentration in any particular area is also available.

The Bachelor of Commerce program normally consists of four academic terms and three co-operative education work terms. The first co-operative education work term is required as part of the admissions requirements of the program, while the other two will take place as part of the regular program sequencing in the third and fourth year of study. The Faculty of Business requires 12 units of Pre-Commerce coursework work prior to admission and offers third- and fourth-year undergraduate courses.

Limitation of Enrollment

Applicants should be aware that admission to the Bachelor of Commerce Program is highly competitive and subject to limited enrollment. 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 77 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 84 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 193).

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, EN or IB courses. Students must declare the Minor with the advising centre of their originating
Academic Advice
Information about admission to the Faculty of Business is available through UVic Admission Services. Students with questions about programs and courses should inquire at the Business Student Services Office, Room 283, Business and Economics Building.

International students should contact the International Programs Office (IP) at (250) 721-6419 or e-mail: ioffice@business.uvic.ca for admission information specifically for international students.

Students transferring to UVic from other institutions may wish to contact the Faculty of Business for informal assistance and recommendations.

Faculty Admissions
The Bachelor of Commerce program is offered to Canadian citizens and permanent residents of Canada. Because of the international nature of the program, additional positions are available for international students who wish to pursue a BCom degree on a student visa. Interested students should see the admission information for international students under the heading "BCI Entry program" or contact the Faculty of Business, Business Student Services office for information on the Bachelor of Commerce International (BCI) program.

Entry to the Bachelor of Commerce program is in September only for each year. Normally, about 200 students are admitted to the BCom program 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 before they will be permitted to register in the Bachelor of Commerce core courses. In certain cases, applicants will be considered for admission with no fewer than 27 units of credit. 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 prior to commencing the BCom program.

Graduates of Hospitality Management diploma programs should refer to the admissions requirements described under "Admission Requirements for Graduates of Hospitality Management programs."

Current and Returning UVic Students
Current and returning UVic students who are not admitted to the 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 from BC Community Colleges
Applicants from BC community colleges must first be admitted to UVic. Students must have a minimum of 12 units of transferable credit to be considered for admission to UVic. To be eligible for admission to the BCom program, applicants must have completed 30 units of transfer credit prior to commencing the BCom program. Transfer credit should address the admission requirements as described under the pre-admission section entitled First Year College or University Students (Canadian or Landed Immigrant) or the section entitled Direct Admission.

A student with fewer than 30 units of credit should apply to the Faculty of Humanities or the Faculty of Social Sciences and then re-apply the following year.

Transfer credit will be limited to 4.5 units of Commerce credit for the purposes of calculating the cumulative Pre-Commerce grade-point average. 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.

Students attending any business or business administration diploma programs will be considered along with all other applicants and must have completed the requirements for admission as outlined below.

Admission from Other Universities
Applicants from other 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. Transfer credit should address the admission requirements as described under the pre-admission section entitled First Year College or University Students (Canadian or Landed Immigrant) or the section entitled Direct Admission. Students attending any commerce, management or business administration degree programs will be considered along with all other applicants and must have completed the requirements for admission as outlined below.

Any student with fewer than 30 units of credit who has completed the requirements for admission to the Faculty of Humanities or to the Faculty of Social Sciences and then apply to the Faculty of Business the following year. Those applicants who have at least 22.5 units of credit completed and 7.5 units of credit in progress by the application deadline and who meet the Pre-Commerce course requirements are eligible to apply for direct admission to the BCom program. Transfer credit will be assessed only after a student has made formal application for admission.

Students from other institutions may wish to contact the Faculty for informal assistance and recommendations. Transfer credit will be limited to 4.5 units of Commerce credit for the purposes of calculating the cumulative Pre-Commerce grade-point average except for Block Transfer for Services/Hospitality diploma applicants.

Additional information regarding admissions, areas of study and program updates are available through the Faculty of Business website at <www.business.uvic.ca>.

Admission Requirements
Pre-Commerce Courses Including Required Courses
All students entering the BCom program must complete the required courses shown in the table on page 48 prior to admission. International students are encouraged to refer to the admission information under the heading BCI Entry program. All students are encouraged to consult the University Calendar to meet the pre-requisites 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 and two more co-op work terms as part of their academic and work term sequencing as prescribed by the area of concentration.

• Students can complete the Pre-Commerce co-op work term during the May to August period prior to the first term of BCom program core courses. This option is only open to those students who are pre-admitted to the BCom program. International students should refer to BCI Entry Requirements.

• 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 in the BCI Calendar 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 one work term will be permitted through the above-mentioned options. Students must register in and complete 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 during the BCom program, which will normally add an additional term to their program.

Admission Categories and Deadlines
Pre-Admission
The Faculty of Business will offer pre-admission to high school 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.

Pre-admission guarantees the student admission to the Faculty of Business 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. Normally, a pre-admitted student will be authorized for registration for the summer term before starting the BCom core courses.
mited students will be eligible to register in their pre-commerce co-op work term during this summer term. Pre-admitted 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.

Pre-Admission High School (Grade 12) (Domestic and International Baccalaureate) Application Deadline: August 31

<table>
<thead>
<tr>
<th>Pre-Commerce Courses Including Required Courses</th>
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**Economics:**
3 units

- ECON 103 (Introductory Microeconomics): 1.5 units
- ECON 104 (Introductory Macroeconomics): 1.5 units

**English**

- Applicants must have satisfied the Undergraduate English Requirement.
- International students: refer to the BCI Entry Requirements

**Math and Statistics:**
4.5 units

- MATH 100 (1.5 units) Calculus I
- OR
- MATH 102 (1.5 units) Calculus for Students in the Social and Biological Sciences
- AND
- MATH 151 (1.5 units) Finite Math
- STAT 252 (1.5 units) Statistics for Business, OR ECON 245 (1.5 units) and ECON 246 (1.5 units), OR STAT 255 (1.5 units) and STAT 256 (1.5 units).

**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 4.5 units of courses in the Math and Statistics area. The following are acceptable:

- One course in Calculus (1.5 units), 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.
- 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.

**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).
- 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 area of concentration 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 INTEX program, please see description regarding language requirements under the INTEX entry.

- In addition to the above, highly recommended courses include:
  - PHIL 330: Professional and Business Ethics
  - ECON 205: Managerial Economics
  - ENGL 225: Technical Communications: Written and Verbal

**One Co-op work term**

- Applicants will need to have completed (or challenged) 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".

**Documentation Deadline: September 15**

The documentation deadline refers to the documents that the student is responsible for submitting as described below. Upon receipt of grades from Undergraduate Admissions, as reported by the BC Ministry of Education, conditional offers will be made. Upon receipt of final grades, conditional offers will be confirmed.

- Students who wish to be considered for pre-admission must have a minimum GPA of 85% on required high school courses. Meeting the minimum GPA requirement does not guarantee admission to the BCom program.

- Students are required to submit the following documents:
  - University of Victoria Application Form
  - Bachelor of Commerce Application and Experience Form
  - Two official copies of interim High School Transcript, if not reported to the BC and Yukon Ministry of Education - minimum 85% GPA
  - Letter of Recommendation – principal or vice-principal or designate

**Conditions:**

- Students must meet UVic entrance requirements for Humanities or Social Sciences, with the addition of Math 12. For Undergraduate Admission requirements please see page 22 of the Calendar.

**Graduates of Secondary Schools in Ontario:**

- 6 Ontario Academic Courses including English

- Students must complete Required and Pre-Commerce courses at UVic (Year 1 and Year 2). Pre-admitted students are required to complete at least 3 of the required courses with a minimum grade of B- (4.0) in Year 1.

**Students must maintain at least a 5.0 GPA (B) or better during Pre-Commerce course work in Year 1 and in Year 2. The Faculty of Business will review GPA after April 30 of Year 1 and December 30 of Year 2. Students are required to maintain at least a 5.0 GPA (B) in each academic year.

**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 core.

**Students must complete the Pre-Commerce co-op work term prior to commencing the BCom program 3rd year core.

**Pre-Admission: First-year College or University Students (Canadian or Landed Immigrant)**

Application Deadline: February 28

**Documentation Deadline: March 15**

Students are required to submit the following documents:

- University of Victoria Application Form (non-UVic students)
- UVic Reregistration Form (UVic students)
- Two official copies of secondary and post-secondary education transcripts directly from issuing institution
- BCom Application and Experience Form

**Academic Evaluation:** Students must maintain a 6.0 GPA average in their most recent 12 units of Pre-Commerce courses and have completed at least two required courses with minimum grades of B- (4.0) by the application deadline.

**Conditions:**

- 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 grade of B- (4.0) on their remaining required courses.
• Students must maintain an overall GPA average of at least 5.0 (B) on the remainder of their Pre-Commerce course work (Year 2). GPA will be reviewed after December 30 of the academic year.
• 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 core.
• Students must complete their first co-op work term prior to commencing the BCom program 3rd year core.

Direct Admission
Second-year Students
Application Deadline: February 28
Documentation Deadline: March 15

Students are required to submit the following documents:
• University of Victoria Application Form (non-U Vic students)
• UVic Reregistration Form (UVic students)
• Two official copies of secondary and post-secondary education transcripts directly from issuing institution
• BCom Application and Experience Form

BCI Entry Pre-Commerce Requirements
Similar to the admission requirements described above, BCI students within their first 30 units of credit must complete the following required courses:
• ECON 103 (Introductory Microeconomics)
• ECON 104 (Introductory Macroeconomics)
• 3.0 units of English (100 level and above)
• 4.5 units of Mathematics and Statistics (see table on page 48)
• Computer Literacy: Applicants must have demonstrated competence in the use of word processing, database and spreadsheet software packages (such as Microsoft Office). It is expected that students entering the Bachelor of Commerce program will have proficiency in all Microsoft Office applications.

In addition, as part of their Pre-Commerce course work, international students will be required to complete:
• COM 206C: Business English and Communications (or equivalent)
• COM 290: Introduction to Canadian Business

Decisions regarding the appropriateness of equivalent courses are at the discretion of the Faculty.

BCI Admissions
A student is eligible to apply to the BCI entry program after the completion of 7.5 units of eligible course work, including two required courses, by the application deadline. Students must be registered in an additional 7.5 units of eligible course work, including one additional required course. Students who meet the BCom admission requirements are eligible to receive a conditional acceptance to the Faculty.

Entry
BCI applicants meeting the admission requirements are eligible to directly enter the Faculty after completion of 15 units of eligible course work. Upon entry to the Faculty students complete:
• 15 units of Pre-Commerce course work, including required courses, COM 206C (Business English) and COM 290 (Introduction to Canadian Business).
• Co-op Preparation
• Pre-Commerce co-op.

All Pre-Commerce courses must be finished by April 30 of the applicant’s second year. After completion of 30 units of course work and one co-op term, and having satisfied any admission conditions, students are eligible to register for the BCom core courses.

Direct Admission to the BCom Program
International students are encouraged to apply for entry to the Faculty after completion of 15 units of eligible course work. However, some international students may choose to apply after completion of 30 units of course work. These students are advised that this may result in delaying their graduation as a result of the third co-op term requirement. The third work term must be completed prior to graduation. International students who apply for entry to the Faculty of Business after completing 30 units of Pre-Commerce course work are required to complete all of the required courses of the Pre-Commerce course work, including COM 206C and COM 290, or their equivalent.

Admission Requirements for Graduates of Hospitality Management Programs
Application Deadline: February 28
Documentation Deadline: March 15

Students are required to submit the following documents:
• University of Victoria Application Form (non-U Vic students)
• UVic Reregistration Form (UVic students)
• Two official copies of secondary and post-secondary education transcripts directly from issuing institution
• BCom Application and Experience Form

Applicants from two-year Hospitality Management/Hotel and Restaurant Administration diploma programs may be eligible for entry to the BCom program Hospitality Services Management concentration if they meet the following criteria:
1. The diploma is completed with a minimum B (3.0) 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: Principles of Microeconomics), 1.5 units of university-level mathematics (not to include UVic MATH 120 or equivalent) and an acceptable statistics course (equivalent to STAT 252), each with a minimum grade of B-
5. Completion of the Undergraduate English Requirement (see page 28).

Students must also complete a microeconomics course (equivalent to UVic ECON 104: Principles of Macroeconomics) and 1.5 units of university-level mathematics (not to include UVic MATH 120 or equivalent) prior to graduation. Such courses completed at UVic may be used as non-Commerce electives within the BCom program.

BC Institutions Currently Delivering the BC Provincial Hospitality Management Diploma Program
• Camosun College
• College of New Caledonia
• Douglas College
• Malaspina University College
• North Island College
• Okanagan University College
• Selkirk College
• University College of the Cariboo
• Vancouver Community College

Other Institutions
Students who have completed two or three year Hospitality diploma programs outside of British Columbia 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 (70% weight) and on an evaluation of the applicant’s application and experience form (30% weight). See description of Quantitative and Qualitative considerations below.

Please note that applicants must be admissible to the University of Victoria in order to be considered for the Bachelor of Commerce program. Students who have completed additional credit courses after their diploma program 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 a letter from their institution that indicates the student is expected to have been granted a diploma by August 31 of the year for which the student is 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 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

Applicants who meet the minimum requirements will be ranked based on their most recent 12-unit GPA as calculated by the Faculty of Business and assessed on the basis of the GPA on the Pre-Commerce required and elective course work. The GPA evaluation will form 70% of the admission decision. The GPA required for admission can fluctuate, depending upon the number and quality of the applications received in a given year. Any Commerce course work completed as part of the Pre-Commerce course work will be limited to 4.5 units, and no more than 4.5 units will be used in the cumulative calculation. Both pre-admission and direct admission into the BCom program is subject to limited enrollment.

Qualitative Considerations

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 form outlining experiences and attributes which they feel indicate their suitability for the Bachelor of Commerce program. An evaluation of qualitative considerations will form 30% of the admission decision.

Successful applicants will be admitted on the condition they complete 30 units of course work, including all the required courses of the Pre-Commerce course work, and will normally have satisfied the Pre-Commerce co-op requirement before commencing the BCom Core courses in third year.

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 prior to commencing the BCom program (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 (Year 3).

Final acceptances and scholarships will be based on the complete 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 work. 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 the courses required in the new BCom program. Students will not be granted waivers from any courses in the BCom program based on any previous credit.

Application Procedure and Deadlines

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
- E-mail: bcom@business.uvic.ca

The BCom Application and Experience Form can also be obtained from the Business Faculty website at: <www.business.uvic.ca/bcom/admission.html>.

University of Victoria undergraduate application forms for students new to UVic and re-registration forms for returning students are available at the Undergraduate Admissions and Records website: <www.uvic.ca/reco/oar/oar.html>.

Current and returning UVic students must submit:
1. BCom Application and Experience Form
2. UVic Reregistration Form

Documents must be submitted to:
- Undergraduate Records
- University of Victoria
- PO Box 3025 STN CSC
- Victoria BC V8W 3P2

New Students to UVic must submit:
1. BCom Application and Experience 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

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 44 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 30 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).

Course Registration

Students are admitted to the BCom program, not to particular areas of concentration. Space may be limited in specific areas of concentration outside the Commerce core. Students will be required to declare their area of concentration by the end of the first academic term within the Faculty of Business.

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 3rd year core in a designated cohort group. Students are required to register in the designated sections of their cohort as outlined in the admissions package provided to each student in the Faculty of Business.

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 area of concentration must repeat that course during the next academic term in which it is offered. Students who receive a failing grade of F 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 Faculty of Business courses are granted to Bachelor of Commerce 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 the purpose of academic 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 31
- for courses taken during the January–April term: May 31
- for courses taken during the May–August term: September 30

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.

Letters of Permission

Students in the Faculty of Business who are planning to take a course at another institution for credit toward the Bachelor of Commerce degree are required to contact the Business Student Services Office for a letter 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. Credit will be given in terms of units only, and the letter grade will not be included in any GPA calculations within the Faculty of Business. Students may take a maximum of two 1.5 unit courses by letter of permission for credit in the Bachelor of Commerce degree program. Letter of permission courses are restricted to open commerce elective courses.

Waitlisting

Normally, students have the option of being added to a waitlist for a class if the course enrollment 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 e-mail 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 (WEBREG). Students should check their course registration on the last day of the 100% fee retraction period in each term to avoid 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 term, 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 published in the Calendar and in the Undergraduate Timetable and Registration Guide each year. Students are advised to consult these publications 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 34 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 include Saturdays.

Withdrawal from the BCom Program

A student who does not register for any courses offered by the Faculty of Business during the first academic term after admission, or during any subsequent academic terms while not on a co-op work term, 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 been admitted to the Faculty of Business 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 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 re-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 the University English requirement (see page 28)
2. credit for 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 must be University of Victoria courses, and at least 30 of the units must be UVic courses
3. satisfactory academic performance as outlined above
4. 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 concentration 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.

Program Core (18 units)

COM 205 (0) Career Skills and Management
COM 305 (0.5) Decision Analysis
COM 315 (1.5) Financial Accounting
COM 316 (1.5) Management Accounting
COM 321 (2.0) 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 (2.0) Global Business and Society
COM 371 (1.5) Management Finance
COM 400 (1.5) Strategic Management
COM 402 (1.5) Legal Issues in Management

All core courses listed above, except COM 400 and COM 402, must be taken during the Fall and Spring term of the third year. COM 400 and COM 402 are completed during fourth year. COM 400 should be taken along with area of concentration courses, and COM 402 can be taken at any point during fourth year, usually in the elective term.

Areas of Concentration

There are four areas of concentration:
- International Business Management
- Entrepreneurship
- Hospitality Services Management
- Management

International Business Management

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 concentration 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 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 four-course concentration, including COM 400.

IB 417 (1.5) International Finance
IB 416 (1.5) International Marketing

Entrepreneurship

The submission of a Professional Portfolio, prior to beginning the Entrepreneurship concentration term, is a necessary preparation to ensure instructor/student effectiveness in the Program (Guidelines available). The portfolio is not evaluated for admissions purposes.

Entrepreneurship is a five-course concentration, 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

Hospitality Services Management (Hospitality and Services)

Hospitality Services Management is a five-course concentration, including COM 400.

HSM 415 (1.5) Hospitality/Services Management
HSM 416 (1.5) Hospitality/Services Operations and Quality Management
HSM 417 (1.5) Hospitality/Services Quality Information, Analysis Systems and Technology Issues
HSM 418 (1.5) Financial Management in Service Industries

Plus

COM 400 (1.5) Strategic Management

Management

Students may elect to complete a program in Management.

Within Management, there are no required area of concentration courses. In addition to the 18 units of program core courses, students can select courses of interest from the areas of concentration and open Commerce elective courses to make a total of 12 units (prerequisites/corequisites still apply). Priority registration in concentration courses goes to students in that area of concentration. The Faculty of Business reserves the right to manage registration lists and waiting lists of area of concentration courses accordingly.

Open Commerce Electives

Please note that in addition to the 18 units of core courses and the required courses within the chosen area of concentration (4.5–6.0 units), students are required to complete an additional 6.0–7.5 units of open Commerce electives (prerequisites/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.

International Exchange Program

The International Exchange Program (INTEX) provides the opportunity for eligible Commerce students, regardless of their area of concentr-
Co-operative Education work terms are normally a minimum of 13 weeks and a maximum of 18 weeks 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).

Normally, students must receive credit for three co-op work terms. As per the general regulations for co-op, 2.0 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 ONE of these three work terms as follows:

- A student with at least 455 hours related work experience may apply for work term credit by challenge. Normally, students must apply in writing for work term credit by challenge by the November 30 of their first academic term in the BCom program. An application for work term credit by challenge will include: the Application for Work Term Challenge; when possible, written confirmation of employment and an evaluation of performance by the employer; a job description; and a report on the work experience following Business co-op guidelines. 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.

Pre-Admit students may be admitted into a Co-operative Education Program prior to formal admission into the Faculty of Business; such students may, with special authorization by the Executive Director, Co-operative Education Program, and on the recommendation of the Dean of the Faculty, 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.

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 awarded 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 51). 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, students will be permitted to end the program on a co-op work-term to satisfy the BCom co-op work term requirements. These cases will normally only apply to students who are on an international exchange and will complete the work term abroad. All decisions regarding the eligibility of a student to complete their program on co-op term will be made at the discretion of the Faculty of Business.

Students must sign 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. Topics covered in the Preparation Course include:

- Orientation to Co-op
- Career Prospects
- Career Skill Development
- Interview Skills
- Job Development
- Work Place Issues

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, 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 (page 44) as outlined in the Co-operative Education Program section. 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 F 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 (see page 39).

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 concentration, 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 concentration. 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:

- a satisfactory mid-term evaluation by the Coordinator based on discussion with the student and employer
- the employer's satisfactory final evaluation of the student, and
- the satisfactory completion of 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 not be accepted without a medical certificate unless approval has been obtained from Business Co-op staff before the work term report submission deadline. Normally, pre-approval may be granted only in the event of illness, accident or family affiliation.

A grade of COM, F, or N will be assigned to students at the completion of each work term. 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.
Faculty of Education

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 of Education

Budd L. Hall, BA, MA (Michigan State), PhD (UCLA), Professor, Dean of the Faculty
Yvonne E. Martin-Newcombe, BA, DipEd (W Indies), MA, PhD (McGill), Associate Dean Administration
David W. Blades, BEd, MED (UVic), PhD (Alta), Associate Dean Teacher Education

Department of Curriculum and Instruction

Deborah L. Bregaray, BA (Alta), MA (Calgary), PhD (UBC) Associate Professor and Chair of the Department
Thomas Fleming, BA, MA (UVic), PhD (Ore), Professor
Robert J. Graham, MA (Glasgow), MA (Toronto), MED (OSIE), PhD (Calgary), Professor
Budd L. Hall, BA, MA (Michigan State), PhD (UCLA), Professor
Betty A. Hanley, LMus (Western Cons Mus), BA (W Ont), MMus (Wayne St), PhD (Minn), Professor
Margie I. Mayfield, BA (Macauley Coll), MA, PhD (Minn), Professor

Wolff-Michael Roth, MSc, (Germ), PhD (Mississipi), Professor and Lansdowne Chair

Larry D. Tore, BS, MA, PhD (Minn), University of Victoria Distinguished Professor
William M. Zuk, BEd, BA, MED (Alta), PhD (Ore), Professor
Robert J. Anthony, BA, MA (Man), PhD (Tor), Associate Professor
Laurie R. Baxter, BA, BEd, (West Wash St), PhD, (Ohio St), Associate Professor
David W. Blades, BEd, MED (UVic), PhD (Alberta), Associate Professor
Robert C. Dalton, BA (Calg), MFA (Wash), PhD (Alta), Associate Professor
Mary Dayton-Sakari, BSc (Calif Pomona), MED, PhD (Alta), Associate Professor
Leslee G. Francis-Pelton, BSc, MA, PhD (BYU), Associate Professor
Gerald N. King, BMus (Brit Col), MMus (W W ash), EdD (BYU), Associate Professor (joint app't with School of Music)

Carole S. Miller, BA, MEd (Pitt), Associate Professor
Antoinette A. Oberg, BA, MEd (Wash), PhD (Alta), Associate Professor
Sylvia J. Pantaleo, BA (Guelph), BEd (Queen's), MA (Calgary), PhD (U of A), Associate Professor
Geoffrey D. Potter, BA, MA (Sir G W mns), PhD (Sheff), Associate Professor
Alison Preece, BA (B rit Col), MA, PhD (UVic), Associate Professor

Theodore J. Riecken, BA, MEd (Sask), EdD (Brit Col), Associate Professor
Margaret Robertson, BEd (Leth), MEd, PhD (Sask), Associate Professor
Katherine Sanford, BEd, MEd, EdD (U of A), Associate Professor
Gloria J. Snively, BSc (Portland St), MA (S Fraser), EdD (Brit Col), Associate Professor

Donald L. Bergland, BA, MA, EdD (Brit Col), Assistant Professor
Kathie M. Black, BEd, MA, PhD (New Mex), Assistant Professor
Steven Capaldo, AMusa, BEd (Melb), MPerf (Syd), DMA (UNLV), Assistant Professor
Catherine Caws, Maitrise es lettres, Dip Eng/ Fr Trans, PhD (UBC)
Elizabeth Churchill, BA, BEd, MA, PhD (Calgary), Assistant Professor
Timothy Pelton, BSc, BEd, MSc, PhD (B righam Young) Assistant Professor
Helen Raptis, BA, MEd, PhD (UVic) Assistant Professor

Moira E. Szabo, BMus, MA (McGill), PhD (Wash), Assistant Professor
Jennifer S. Thom, BEd (UVic), MEd (UBC), PhD (UBC), Assistant Professor
Lorna Williams, BGS, MED (SFU), PhD (University of Knoxville, Tennessee), Assistant Professor
Valerie Irvine, BEd, BA, (UBC), University Teaching Program (U of A), Lecturer
Carole Ford, BEd, MA (UBC), PhD (UVic), Senior Instructor

Visiting, Adjunct and Cross-listed Appointments

Alastair Legg, BA (London), MEd, PhD (UVic) Assistant Professor (Limited Term) 2001-2005

School of Physical Education

Douglas R. Nichols, BA (Hope Coll), MS (Ore), MA (Mich St), PhD (Ore), Professor and Director of the School

David Dacherty, BS, MS, PhD (Ore), Professor
Bruce L. Howe, Dip Ed (Dunedin Teachers’ Coll), BS, MS, PhD (Ore), Professor
Geraldine H. Van Gyn, BA (W Ont), MSc, PhD (Alta), Professor
Howard A. Wenger, BPE, MPE (Brit Col), PhD (Alta), Professor
Frederick I. Bell, BA, BEd (Sask), MEd, PhD (Alta), EdD (N Car), Associate Professor
Sandra L. Gibbons, BEd (Alta), MSc (Wash St), PhD (Ore), Associate Professor

Viveiene A. Temple, BEd (Victoria Coll-Rusden), PhD (RMIT), Associate Professor
S. JoAnn Wharf Higgins, BA, MA (UVic), PhD (UBC), Associate Professor
E. Paul Zehr, BPE, MSc (McMaster), PhD (Alta), Associate Professor
Catherine A. Gaul, BEd (New Br), MSc (S Fraser), PhD (UVic), Assistant Professor
Timothy F. Hopper, BA (Exeter), MA, PhD (Alta), Assistant Professor
Lara L. Lazzon, BA, MA, PhD (UVic), Assistant Professor
Patti-Jean Naylor, BPE (U of C), MA, PhD (UVic), Assistant Professor
Ryan E. Rhodes, BA, MA (UBC), PhD (Alta), Assistant Professor
Lynne F. Wolski, BSc, MSc (UVic), PhD (UBC), Assistant Professor

2005-06 UVIC CALENDAR

Joan M. Martin, BA (Northwest Nazarene), MA, PhD (Notre Dame), Assistant Professor
Blythe C. Shepard, BA (Waterloo), MA, PhD (UVic), Assistant Professor

Visiting, Adjunct and Cross-listed Appointments

Dan Brown, BSc (UBC), MA (UBC), AM (Chicago), PhD (Chicago), Adjunct Professor
Ian J. Cameron, BEd (BC), MEd (UVic), EdD (BC), Adjunct Assistant Professor
David deRosenroll, BA, MA, PhD (UVic), Community Based Program Assistant Professor, Coordinator, Limited Term
John Durkin, BSc (Tor), MA, PhD (UVic), Adjunct Assistant Professor
Lily L. Dyson, BA (Taiwan), MEd (Kansas), MA (Kans), PhD (Washington), Professor Emeritus
Lous Heshusius, BS (W. Illinois), MA (Texas A and M), PhD (Indiana), Adjunct Professor
Geoffrey G. Hett, BEd (UVic), MS (Oregon), PhD (Oregon), Associate Professor Emeritus
Jack Lam, BA (Hong Kong), MEd (Tor), PhD (Tor), Adjunct Professor
Bruce Monkhouse, BA (Alta), MA (Alta), PhD (Alta), Adjunct Assistant Professor
Walter Muiir, BEd (Alta), MEd (Alta), PhD (Alta), Professor Emeritus
Mary Nixon, BA (London), BEd, MED, PhD (Alta), Adjunct Assistant Professor
Nancy C. Reeves, BA (BC), MA (BC), PhD (Alta), Adjunct Assistant Professor

School of Physical Education

Douglas R. Nichols, BA (Hope Coll), MS (Ore), MA (Mich St), PhD (Ore), Professor and Director of the School

David Dacherty, BS, MS, PhD (Ore), Professor
Bruce L. Howe, Dip Ed (Dunedin Teachers’ Coll), BS, MS, PhD (Ore), Professor
Geraldine H. Van Gyn, BA (W Ont), MSc, PhD (Alta), Professor
Howard A. Wenger, BPE, MPE (Brit Col), PhD (Alta), Professor
Frederick I. Bell, BA, BEd (Sask), MEd, PhD (Alta), EdD (N Car), Associate Professor
Sandra L. Gibbons, BEd (Alta), MSc (Wash St), PhD (Ore), Associate Professor

Viveiene A. Temple, BEd (Victoria Coll-Rusden), PhD (RMIT), Associate Professor
S. JoAnn Wharf Higgins, BA, MA (UVic), PhD (UBC), Associate Professor
E. Paul Zehr, BPE, MSc (McMaster), PhD (Alta), Associate Professor
Catherine A. Gaul, BEd (New Br), MSc (S Fraser), PhD (UVic), Assistant Professor
Timothy F. Hopper, BA (Exeter), MA, PhD (Alta), Assistant Professor
Lara L. Lazzon, BA, MA, PhD (UVic), Assistant Professor
Patti-Jean Naylor, BPE (U of C), MA, PhD (UVic), Assistant Professor
Ryan E. Rhodes, BA, MA (UBC), PhD (Alta), Assistant Professor
Lynne F. Wolski, BSc, MSc (UVic), PhD (UBC), Assistant Professor
1.0 General Information

1.1 Undergraduate Degree Programs

Bachelor of Education (Elementary Curriculum) Degree (see page 61)
This is a five-year program in elementary teacher preparation leading to a degree in Education and to teacher certification for classroom generalists. Students must complete two years of approved university-level course work and apply to the Faculty of Education for Year Three.

Bachelor of Education (Secondary Curriculum) Degree (see page 63)
This is a five-year degree program for students accepted into the teaching areas of secondary Art, Music and Physical Education. Art or Music may be taken as a single teaching area or in combination with an approved second teaching area. Physical Education must be taken in combination with an approved second teaching area. Art and Music are also available in the post-degree professional program.

Bachelor of Arts (Major in Recreation and Health Education–Co-operative Education) (see page 69)
This four-year program prepares students with the knowledge and skills related to the study and practice of community recreation and health promotion/education. The Recreation and Health Education program is available only as a co-operative education program.

Bachelor of Science Degree (Kinesiology) (see page 70)
• Major in Kinesiology
• Major in Kinesiology-Cooperative Education
These four-year programs offer a science perspective in the study of fitness, sport and physical activity.

East Kootenay Teacher Education Program
The Faculty of Education operates teacher education programs at the College of the Rockies in Cranbrook. Students interested in these programs should contact an adviser in the Faculty of Education.

Developmental Standard Term Certificate
The DSTC program is designed to enhance the teaching of Aboriginal languages. Students entering this program become certified language speakers and teachers and then continue towards the completion of a Bachelor of Education degree. Students interested in this program should contact an adviser in the Aboriginal Teacher Education office.

1.2 Post-Degree Programs

Bachelor of Education (Post-Degree Professional Program – Elementary) (see page 62)
This is a 16-month post-degree professional program for university graduates who wish to become elementary school classroom teachers. Completion of the program qualifies candidates for teacher certification and a degree in Education.

Bachelor of Education (Post-Degree Professional Program – Secondary) (see page 67)
This is a two-year post-degree professional program for university graduates who wish to become secondary school teachers. Completion of the first year qualifies candidates for a teaching certificate. Those who complete the second year will qualify for a degree in Education.

1.3 Diplomas and Certificates

Diploma in Teacher-Librarianship (see page 68)
This is a 15-unit summer-based program (equivalent to one year) designed to prepare teachers to function as teacher librarians in either elementary or secondary schools.

Certificate in Kodály Methodology (see page 68)
This is a 9-unit summer-based program designed to prepare teachers of music at the elementary level in the principles and practices of the Kodály methodology.

Diploma in Career and Personal Planning (see page 69)
This is a 15-unit program at the undergraduate level leading to a Diploma in Career and Personal Planning. It is designed to provide teachers of Personal Planning K to 7 and Career and Personal Planning 8 to 12 with the knowledge, understanding, and skills needed to effectively deliver these new curricula in BC schools. Because Career and Personal Planning is a K to 12 program, the Diploma is suitable for elementary, middle and secondary teachers.

Diploma in Educational Technology (see page 69)
This is a 15-unit program leading to a Diploma in Educational Technology designed to qualify practising teachers to design and develop programs integrating information technologies into instruction.

1.4 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 Department Graduate Advisers. Students seeking teacher certification should refer to the descriptions of the post-degree professional programs on page 62 (elementary) and page 67 (secondary).
2.0 Academic Advice

Students needing advice about any of the undergraduate courses or programs offered in the Faculty of Education (including the Post-Degree Professional programs and School of Physical Education programs) should consult the Education Advising Centre, Room A250 MacLaurin Building, or write to that office for information. E-mail may be directed to:

- elementary programs: ete@uvic.ca
- secondary programs: ste@uvic.ca
- kinesiology/recreation and health programs: ste@uvic.ca

3.0 General Information About Courses in the Faculty

Course descriptions are listed alphabetically by course abbreviation starting on page 224 of the Calendar. A list of course abbreviations and corresponding subjects is presented on page 221. Faculty regulations concerning courses are presented on page 58.

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. Other Faculty of Education courses are open to students in other faculties. Further information is presented in the Calendar and in the undergraduate timetable.

4.0 Limitation of Enrollment

The University of Victoria reserves the right to limit enrollment 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 English usage will be taken into account.

5.0 Faculty Admissions

Applicants for admission to the Faculty of Education must meet general University requirements described on pages 20-26, as well as general Faculty and specific program requirements.

**Deadlines for Applications**

Applications for admission to the Faculty, transcripts and all other related documentation must be received by the following dates:

- Secondary post-degree professional program and professional year .............. 31 December
- All physical education programs .......................................................... 31 January
- Elementary programs ................................................................. 31 January
- Secondary program – Art and Music ................................................. 31 January

Final transcripts with grades for courses in progress after January 31 must be received by May 31. For application deadlines for other degree programs and diploma programs offered by the Faculty, please check with Admission Services.

**5.1 General Faculty Admission Requirements**

The specific admission requirements for individual programs 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 (see below)

*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.

**5.1.1 Aboriginal 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 and programs from Aboriginal people.1 In recognition of the BC Ministry of Education’s mandate to increase access for Aboriginal 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 Aboriginal applicants who meet the Faculty of Education's minimum program entrance requirements and Aboriginal Application requirements.*

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.

**5.1.1.1 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 Aboriginal Students (available from Education Advising or the School of Physical Education) in addition to the general admissions application or Application to the School of Physical Education. Applicants will be considered for placement in the programs on an individual basis, taking into account such factors as aboriginal identity, academic performance, employment history, relevant experience with young people, evidence of participation within an aboriginal community and a letter of reference.

**5.3 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 Aboriginal 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.

2005-06 UVIC CALENDAR

**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 24.

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.

**5.2 Quota Restrictions**

Admission to all programs in the Faculty of Education is restricted by quotas. Qualified applicants will not necessarily be admitted.

**5.3 Admission Interview Requirement**

Individual interviews may be required as deemed appropriate by the Faculty. The professional judgment of the Professional Conduct and Suitability Committee (PCSC) will be deemed sufficient grounds for recommending the acceptance or rejection of an application. A candidate who is not recommended for admission by this Committee may appeal to the Dean of Education.

**5.4 Written English Competency Requirement**

Students must satisfy the written English competency requirement prior to admission to an Elementary Teacher Education Program.

All students in a Bachelor of Education Secondary degree program must satisfy the written English competency requirement before acceptance into professional year.

The requirement is normally satisfied in one of the following ways:

1. Completion of English 115 or 135 with a grade of 4.0 or better as part of, or in addition to, the required 3.0 units of approved English.

2. Completion of 3.0 units of approved English with a grade-point average of 4.0 or better as the required 3.0 units of approved English or in addition to the required 3.0 units of approved English. Only 1.5 units of the required 3.0 units may be in composition. Notwithstanding, a student who receives a grade of 3.0 or less in any composition course will have his or her record individually reviewed.

3. Completion of the English 115 Equivalency Test (EET) at a level of 4.0 or better in addition to the required 3.0 units of approved English.

4. Completion of English 215, 216, 225, 300 or 400 with a grade of 4.0 or better in addition to the 3.0 units of approved English.

5. 6.0 units of approved English with a grade-point average of at least 4.0.

Students who wish to have other work considered may appeal to the Faculty Appeals and Adjudication Committee.
5.5 Record of Degree Program Requirement

All undergraduate students registered in the Faculty are required to make a commitment to a particular program. Students should request a Record of Degree Program (RDP) from the Education Advising Centre as soon as possible following admission to the Faculty. RDPs will be based on current Faculty regulations. All previously completed work will be considered in relation to the student's choice of program and teaching areas. The Faculty reserves the right to review any program or course work that is deemed to be outdated.

Students are advised to confirm program requirements with an Academic Adviser before registering in any session.

5.6 Limitations of Credit for Certified 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 Director of Teacher Education Programs, in consultation with the department or school of the Faculty.

All accepted candidates are referred to the regulations concerning currency of course work on page 59.

Teachers who have not taken any courses applicable to their programs in the last 10 years must submit the following for consideration:
1. a resume of all teaching experience including dates, locations and grade levels, and indicating whether full time, part time, or substitution service
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

6.0 Faculty Academic Regulations

6.1 Course Regulations

Practicum Courses
All courses which have a practicum component are governed by the practica regulations on page 59. No course containing school experience practica may be challenged. Students who wish to repeat any practica courses must obtain permission from the Director of Teacher Education Programs.

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 the Education Advising Centre 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 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.

Courses numbered 700 to 799 are restricted to students accepted into a professional year. Students who wish to repeat any 700-level course must appeal to the Director of Teacher Education Programs for permission.

6.2 Credit Regulations

Credit for Studies Undertaken at Other Institutions
Students who plan to undertake course work at other institutions must receive prior approval from the Education Advising Centre if they wish such courses to be credited toward a degree in the Faculty of Education at the University of Victoria.

Students are responsible for ensuring that transcripts for all attempted course work at all other institutions are submitted to Records Services. See page 36 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.

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

6.3 Standing

6.3.1 Sessional Grade-point Average
The sessional grade-point average is based only on courses which have a unit value. Courses bearing the grade COM are ignored. A sessional grade-point average is found by multiplying the grade points for all the grades, and dividing the total grade points by the total number of units.

6.3.2 Minimum Sessional Grade-point Average
Elementary Programs
Students in Elementary Teacher Education programs must obtain a GPA, calculated on university-level credit course work, of at least 4.0 (B+) in every session in which they are registered in 4.5 units or more. Students who receive a sessional GPA of less than 4.0 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 2.0, further sanctions will be imposed by the University (see page 36).

Probation. Students must obtain a GPA of 4.0 in all sessions attended while on probation and will be reinstated only when they have accumulated a minimum of 6 units at the 4.0 level or better.

Students who fail to obtain a sessional GPA of at least 4.0 in the probationary session will be required to withdraw from the Faculty.

Re-admission. To re-enter the Faculty, students must 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 Director of Teacher Education Programs. All students required to withdraw from the Faculty must complete a minimum of 6 units of approved course work outside the Faculty of Education before they may re-apply for admission.

Students who have been readmitted to Elementary Teacher Education programs after having been required to withdraw and whose sessional GPA again falls below 4.0 will be required to withdraw from the program 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 contact the Education Advising Centre.

Secondary Programs
BA (Recreation and Health Education)
BSc (Kinesiology)
Students in these programs must obtain a GPA calculated on university-level credit course work of at least 3.0 (C+) on every session attended in which they have registered in 4.5 units or more. Students whose sessional GPA is less than 3.0 will have to withdraw and whose sessional GPA again falls below 4.0 will be required to withdraw from the program for a period of five years.

Students who have been readmitted after having been required to withdraw and whose sessional GPA again falls below 3.0 will be required to
withdraw from 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 contact the Education Advising Centre.

6.3.3 Certification
Students must fulfill all program requirements and meet minimum GPA program standards before they will be reported as eligible for certification.

6.3.4 Withdrawal
The Faculty 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 as the basis of their relationship with peers, faculty, 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 competence 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.

c) The Director of Teacher Education Programs shall notify a student whom he/she considers unsuitable for the profession; the Director will also make a recommendation to the Associate Dean, Teacher Education that the student be required to withdraw from the Faculty. The Director shall meet with the student and give reasons for the recommendation. The Director should tell the student of the right of appeal to the Professional Conduct Suitability Committee (PCSC). The appeal should be written and should be delivered to the Associate Dean, Teacher Education, (c/o Dean's Office) and to the Director who signed the recommendation to the Associate Dean, Teacher Education.

Upon appeal the PCSC 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 PCSC, 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
- cancel the recommendation
- refer the matter back to the Associate Dean, Teacher Education.

Where it approves withdrawal, it shall inform the student of the right of an appeal to the Dean of the Faculty. If the student does not appeal after two weeks, the Associate Director may forward the recommendation to the Dean.

A student who receives an unfavourable decision from the PCSC may appeal that decision to the Dean, who shall make an independent decision.

Where the Dean approves withdrawal, he/she shall inform the student of the right of an appeal to Senate.

6.4 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 Director of Teacher Education Programs in consultation with the department or school of the Faculty will be required to replace or update the course work concerned.

The professional components (practicum and seminars) of the Education degree programs are between four and six terms in length, and are designed to be taken in sequence, without interruption. The professional component of the elementary program is six terms in length, and is designed to be taken in sequence, without interruption. The professional component of the secondary post-degree professional program is three terms in length and should be completed in three consecutive terms; five additional years are allowed for completion of this degree.

6.5 Practicum Regulations

6.5.1 General
Through the Faculty of Education, the University reserves the right to approve any 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.

6.5.2 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.

6.5.3 Attendance
Regular attendance is required during a practicum. Students are expected to notify the school and their Faculty supervisor whenever practicum appointments cannot be kept.

6.5.4 Unethical or Unprofessional Behaviour
Students in the Faculty of Education who are placed in schools for teaching practica are subject to the provisions of the Faculty of Education's Code of Professional Conduct. A student may be required to withdraw from a practicum for violation of any part of the Faculty of Education's Code of Professional Conduct or upon a written order from the School Principal or the Board of School Trustees of the district in which the student is placed.

Students are responsible for understanding the provisions of the School Act and the BCTF Code of Ethics. Students who need clarification should ask their sponsor teachers, Faculty members or university supervisors for an interpretation.

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 Director of Teacher Education Programs. The Director 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.

6.5.5 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 Director of Teacher Education Programs.

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, sponsor teacher, or supervisor, and the Director of Teacher Education Programs.

c) Voluntary Withdrawal
Students seeking voluntary withdrawal during a practicum must receive permission to do so from the Director of Teacher Education Programs. 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.

6.5.6 Readmission to a Practicum
Students who have withdrawn from a practicum for any reason who later wish to re-enter the practicum must apply to the Director of Teacher Education Programs for readmission to the course. Please note that readmission is not guaranteed.

6.5.7 Appeals of Practica Decisions
Students may follow the appeal procedures within the Faculty, described on page 60. The UVic appeal procedures are outlined on page 38.
6.6 Graduation

6.6.1 Graduation Requirements

Students should refer to the regulations concerning graduation on page 37 of this Calendar. 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*

Candidates having completed a secondary program must have:

- a grade-point average of at least 3.0 on the work of the professional year
- 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 all work taken subsequent to the professional year. Failed courses will be counted in computing the grade-point average.

Candidates having completed an elementary program must have a grade-point average of at least 4.0 on each session.

* 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.

6.6.2 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.

Students whose graduating averages are 6.5 or higher will be considered to graduate with the notation “With Distinction” (refer to page 37).

6.7 Appeals

The first level of appeal, where appropriate, is normally the instructor of the course. The second level is the Director or Chairperson of the academic unit concerned. Students who wish to take appeals further should consult an Academic Adviser for the Faculty of Education. The Adviser will determine the next step in the appeal process; i.e., Program Director, Faculty Appeals and Adjudication Committee (FAAC) or Professional Conduct and Suitability Committee (PCSC). Appeals of the Program Director’s decision are taken to the FAAC or PCSC; appeals of the FAAC and PCSC decisions will be directed to the Dean of Education.

7.0 Professional Preparation and Practica

7.1 School Experience, Student Teaching and Seminars

School experience, student teaching and seminars form an integral part of the elementary and secondary programs. Requirements for these components of the Bachelor of Education elementary programs are outlined in the course descriptions of EDUC 200, 300A, 300B, 400A, 400B, 400C, 400D and for the secondary programs in the course descriptions of ED-P 498, 798, and 780.

Students should be aware that all arrangements for school experience and student teaching are made through the School Experiences Office, located in the MacLaurin Building.

Students should note that school districts may refuse placements and require students to withdraw from practice for failure to abide by the School Act or the British Columbia Teachers’ Federation Code of Ethics.

7.1.1 Elementary Programs

All Elementary Education students undertaking school experiences must be prepared to travel. Extra expenses will be involved; students should budget accordingly. Final practica may be taken in an elementary or middle school.

Students admitted to the five-year Elementary Professional Degree Program take EDUC 200, EDUC 300B, and one of EDUC 400A or 400D. Each course includes a weekly teaching seminar.

EDUC 200

Year Three students are required to attend weekly seminars in the second term and to undertake a three-week school experience. Students will begin the practicum after they have written their final examinations in April.

Students admitted to the 16-month Elementary Post-Degree Professional Program will take EDUC 300A and EDUC 400C. In some cases, EDUC 400B will be taken in lieu of EDUC 400C. Each course includes a weekly teaching seminar.

EDUC 300B

Year Four students are required to attend weekly seminars and weekly school visits, and undertake a five-week school experience. Students will be in schools until May 31.

7.1.2 Secondary Programs

ED-P 498–Bachelor of Education (Secondary Curriculum)

Students in professional year should be aware that they must successfully complete all required course work before they are allowed to take the practicum. Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by the Director of Secondary Teacher Education.

Students are required to attend seminars and undertake a two-week school experience following final examinations.

ED-P 798–Regular Program, Middle School Option, East Kootenay Option and Special Music Option

All students are required to complete successfully a two-week October experience and a sixteen-week school experience starting in January. While some placements may be in the three local school districts (Greater Victoria, Saanich and Sooke), some candidates will be required to take their practicum in other specified school districts in British Columbia.

ED-P798–Internship Program Option

All students selected for the internship program option must be prepared to remain in their practicum school from the beginning of public school in September until the end of classes in June.

Students in professional year should be aware that they must complete successfully all summer and fall term course requirements before they are allowed to take the practicum. Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by the Director of Secondary Teacher Education.

7.2 Teacher Certification

7.2.1 The BC College of Teachers

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.

7.2.2 The Teacher Qualification Service

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.

7.2.3 Procedures and Documentation

Application forms for the College of Teachers and the Teacher Qualification Service are available from Records Services or from the School 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 Records Services, the Education Advising Centre or the School Experience Office.
8.0 Bachelor of Education (Elementary Curriculum)

8.1 PROGRAM ADMISSION REQUIREMENTS

Initial admission to the elementary degree program may be granted only after completion of at least two years of university-level studies acceptable to the Faculty of Education. Individual interviews may be required as deemed appropriate by the Faculty. Additional information about the admission requirements can be found online at <www.educ.uvic.ca/ete>.

The requirements for admission to the elementary program are:

a) admissibility to the university
b) at least 30 units of credit
c) completion of Years One and Two (refer to BEd Professional Degree Program, page 62)
d) demonstrated competency in written English (see page 57)
e) 3 units approved mathematics with a minimum grade-point average of 3.0 (C+)
f) 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.
g) submission of application and transcripts (including courses in progress) to Records or Admission Services no later than January 31.

All requirements for admission must be completed by April 30 and documented by May 31. An application package is available online at <www.educ.uvic.ca/ete> by mid-October. The application(s), applicable application fees and all supporting documents must be received at the Office of the Administrative Registrar by January 31. Transcripts showing completion of course work taken in the January to April period must be received by May 31.

Maximum enrollments have been established; therefore, the Faculty cannot guarantee that all qualified candidates will be accepted. Accepted candidates will be notified in early as possible, but final acceptance may not be until late June.

Early offers may be made after January 31 to applicants who have already achieved at least a 6.0 (B+) grade-point average on the most recently attempted 12 units at December 31. Such offers will not be made to students unless the above admission requirements are complete or in progress at January 31.

Students offered early admission who drop required courses, or whose grade-point average subsequently drops below the minimum of 4.0 (B-), will lose their eligibility, and the offer will be withdrawn.

All other applicants will be evaluated for eligibility. Those who remain eligible at April 30 will be admitted in grade average order to the remaining spaces in the quota.

Acceptance Deposit—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 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.

8.1.2 Teacher Applicants

Qualified teachers who wish to be accepted into this program with credit from other institutions, including professional training, should contact an Elementary Adviser in the Education Advising Centre. The program can be modified on the basis of previous training and experience. The Director of Teacher Education Programs will determine what credit may be applied to the degree program (see page 58). Those whose studies commenced more than 10 years ago are also referred to Limitations of Credit for Certified Teachers, page 58. Applications must be made in the normal manner to University Admission Services, as detailed on page 20.

8.2 PROGRAM DETAILS

8.2.1 General Information

The elementary professional 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 practical experiences. In addition to weekly school visits, there are three practica: three weeks in Year Three; five in Year Four; and eight in Year Five.

Acceptance into Year Four requires successful completion of all Year Three courses by April 30, normally with a minimum grade average of B-, and successful completion of EDUC 200.

Acceptance into Year Five requires successful completion of all Year Four courses, normally with a minimum grade average of B-, and successful completion of EDUC 300B.

Students are eligible for professional certification and the BEd degree upon successful completion of Year Five.

8.2.2 Program Formats

(a) BEd Professional Degree Program

Students admitted to this program prior to 2004 should refer to the program format in the 2004 Winter Calendar.

Years One and Two

(at UVic or another recognized post-secondary institution)

Two of ENGL 115 or 135 125, 145 (or other approved English) .........................3.0
Approved Canadian Studies (HIST 130 or other approved course) ....................3.0
MATH 160A and 160B (or other approved mathematics) .................................3.0
Approved Laboratory Science .................................................................3.0
Approved Electives ..............................................................................7.5
Approved Academic Elective(s) .........................................................3.0

Total .................................................................................................16.5

Year Three

EDUC 200 (School Experience) .........................................................1.0
EDUC 301 (Leaders and Learning Environments) .................................1.5
EDUC 302 (Literacy and Language in the Elementary School) ..............1.5
EDUC 303 (Historical and Philosophical Foundations of Canadian Education) 1.5
PE 304 (Physical Education for General Classroom Teachers) .............2.0
EDUC 306 (Music in the Elementary Classroom) .....................................2.0
Approved Senior Academic Electives (500 or 400 level) .........................7.5
Total .................................................................................................17.0

Year Four

EDUC 402 (Reading: Instructional Principles and Strategies) .....................1.0
EDUC 403 (Curriculum and Instruction in Elementary Science) .............1.5
EDUC 404 (Curriculum and Instruction in Elementary Social Studies) ....1.5
EDUC 405 (Curriculum and Instruction in Elementary Mathematics) ....1.5
EDUC 406 (Instructional Technology) ....................................................1.0
EDUC 305 (Drama Education: A Medium for Learning) .......................2.0
EDUC 307 (Art in the Elementary Classroom) .......................................2.0
EDUC 420 (Learning Support) ............................................................1.0
EDUC 430 (Community, Culture and Environment) ...........................1.0
EDUC 440 (Contemporary Literacies and Creative Expression) .............1.0
EDUC 300B (School Experience) .........................................................2.5
Total .................................................................................................16.5

Year Five

EDUC 407 (Evaluating and Reporting Student Progress) ...........................0.5
EDUC 408 (Promoting Prosocial Behaviour) .........................................1.5
EDUC 409 (Constructing Mathematical Understanding) .........................1.0
EDUC 410 (The Professional Role) .......................................................1.0
Strand Option (Choose 1 of 3 strands) .................................................6.0
EDUC 400A or 400D (School Experience) ...........................................4.5
Total .................................................................................................14.5

Eligible for PROFESSIONAL CERTIFICATE

Total Units for Degree .................................................................78.0

Notes:
1. Math courses more than 10 years old are not acceptable.
2. Courses in astronomy, biology, chemistry, earth and ocean sciences, and physics that have at least two lab hours each week are normally acceptable. EOS 120 is strongly recommended. Courses completed more than 10 years prior to the year of application are not normally accepted. Human anatomy and physiology courses are not acceptable.
9.0 Bachelor of Education Post-Degree Professional Program (Elementary)

9.1 Program Admission

Initial admission to the elementary post-degree professional program may be granted only after completion of an undergraduate degree at an accredited university. Individual interviews may be required as deemed appropriate by the Faculty.

Additional information about the admission requirements can be found online at <www.educ.uvic.ca/ete>.

9.1.1 Admission Requirements

The requirements for admission to the elementary post-degree professional program are:

a) a degree from an accredited university
b) 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.)

c) academic preparation which includes the following:
- approved English¹ (3.0 units)
- approved Canadian Studies (3.0 units)
- approved mathematics² (3.0 units)
- approved laboratory science³ (3.0 units)

All requirements for admission must be completed by April 30 and documented by May 31.

Maximum enrollments have been established; therefore the Faculty cannot guarantee that all qualified candidates will be accepted. Accepted candidates will be notified as early as possible, qualified candidates will be accepted. Accepted candidates will be notified as early as possible, but final acceptance may not be until late June. An application package is available online at <www.educ.uvic.ca/ete> by mid-October. The application(s), applicable application fees and all supporting documents must be received at the Office of the Administrative Registrar by January 31. Transcripts showing completion of course work taken in the January to April period must be received by May 31.

Students of exceptional ability who do not meet the stated admission requirements may appeal to the Faculty Appeals and Adjudication Committee for consideration. "Exceptional" may be considered in terms of high grade-point average, relevant work experience, or unique academic qualifications.

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.

Acceptance Deposit—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 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.

Notes

1. Composition and literature courses taught by an English Department are acceptable. 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 5.4.

2. Courses must be taught by a mathematics department to be acceptable. Courses completed more than 10 years prior to the year of application are not normally accepted.

3. Courses from astronomy, biology, chemistry, earth and ocean sciences, and physics are normally acceptable. Courses completed more than 10 years prior to the year of application are not normally accepted. Human anatomy and physiology courses are not acceptable.

4. The teaching certificate (professional or standard) issued by the B.C. College of Teachers will be determined by the content of a student’s first degree. Applicants whose first degree was not in a subject widely taught in BC schools (psychology, for example) will probably receive a standard teaching certificate. Applicants whose first degree is in a subject widely taught in BC schools (English, for example) may receive a professional teaching certificate.

9.2 Program Details

9.2.1 General Information

The elementary post-degree professional program provides course work and practicum experience designed to produce a well-qualified elementary school teacher. The program leads to teacher certification and a Bachelor of Education degree.

Admission to the summer session requires successful completion of all Year One courses, normally with a minimum grade average of B-, and successful completion of EDUC 300A.

Admission to the final practicum requires successful completion of all summer session courses, normally with a minimum grade average of 4.0 (UVic B-).

Please note that the Faculty of Education requires a grade-point average of at least 4.0 on all sessions attempted. Any session in which the average falls below 4.0 will result in a review and the possibility of a required withdrawal from the program and the Faculty. Neither certification nor the degree will be awarded if the grade-point average is less than 4.0 in the total degree.

Graduation requirements are found on page 60.

9.2.2 Program Formats

(a) BEd Post-Degree Professional Program

This program is designed to be taken over 16 consecutive months, commencing September 2005 and concluding December 2006.

Students admitted to this program prior to 2005 should refer to the program format in the 2004 Winter Calendar.
10.0 Bachelor of Education (Secondary Curriculum)

10.1 Program Admission

The five-year BEd (Secondary Curriculum) degree program is restricted to students accepted into the teaching areas of secondary Art, Music and Physical Education. Art or Music may be taken as a single teaching area or in combination with an approved second teaching area. Physical Education must be taken in combination with an approved second teaching area. Art and Music are also available in the post-degree professional program. Physical Education is not available in the post-degree professional program.

Initial admission to the secondary degree program may be granted only after completion of at least one year of university-level studies acceptable to the Faculty of Education. Quotas on admission to this program have been established. Eligible applicants will not necessarily be admitted.

10.2 Admission Requirements

The requirements for admission to the secondary program are:

1. admissibility to the university
2. at least 12 units of credit including 3 units of English
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. admissibility to a teaching area in art, music, or physical education

- ART: Admission requires approval of the Department of Curriculum and Instruction. Applicants must have obtained a grade of at least B on AE 103.
- MUSIC: Admission requires approval of the Department of Curriculum and Instruction. Applicants must have obtained a grade of at least B on ME 101 and must be interviewed by the Department.
- PHYSICAL EDUCATION: Admission requires approval of the School of Physical Education. The deadline for receipt of application forms is January 31. Students transferring from colleges and universities should complete an Application for Admission form available from the Admissions Office. Reregistering UVic students may obtain an application form from the School of Physical Education after November 1. Applicants must be interviewed by the School and have the following academic preparation:
  - PE 141 (1.5)
  - PE 143 (1.5)

Teachers who wish to be accepted into this program with credit from other institutions, including professional training, must first make application in the normal manner to University Admissions Services as detailed on page 20. Those whose studies commenced more than 10 years ago are also referred to page 59.

FACULTY OF EDUCATION
Students in the Internship Program Option will commence classes in June and complete program requirements the following June.

On completion of the program, students may apply for graduation and teacher certification.

10.5 Minimum Degree Requirements

The minimum degree requirement is successful completion of the following:

- Required Education courses
- Required Social Science, Science, Humanities and Fine Arts courses
- Electives

Total units

10.6 Years One to Four

Students admitted to the Art expanded area or the Music expanded area will include the courses listed below in the first four years of their program. Students admitted to the Art area, the Music (choral or instrumental) area, or the Physical Education area should obtain advice regarding second teaching areas from the Secondary Academic Adviser.

10.6.1 General Program Requirements

ENGL 115 or 135 and 125 or 145
ED-D 401
ED-D 406
ED-P 498
Approved academic electives

Total

Art

Corequisite:
3 units from ENGL 200A, 200B, 200C, 201, 202, 203, 250, HA 120

Area:
AE 103
AE 104
AE 201
AE 303 or 309
AE 315
AE 316 or 317
AE 401


Total

Option 1 Expanded Art

Approved Art Education
Approved upper-level art or History in Art
Electives

Total

Option 2 Second Teaching Area

Approved second teaching area plus electives

Total units

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)

Area:

Total

 Approved second teaching area plus electives

Total units

Music (Instrumental)

Area:

Total

Approved second teaching area plus electives

Total units

Music (Expanded)

Area:

Total
MUS 333 ..........................................................1.5
MUS 356A and 356B ............................................3.0
Two of MUS 180, 280, 380, 480; ME 120, 121, 220, 221 .........................2.0
Total ....................................................................33.5
Courses chosen from an approved second teaching area ........................7.5
Electives ................................................................5.5
Total units ................................................................60.0

As noted above, students choosing the expanded teaching area in Music Education will be required to complete, in addition, at least 7.5 units not including corequisites, chosen from an approved teaching area, with a grade-point average of 4.0 (U Vic B-).

Physical Education**

Area:
PE 106, 107, 120 and 122 ...........................................2.0
One of PE 109 or 114 ..................................................0.5
One of PE 116 or 117 ..................................................0.5
One of PE 121, 123, 124, 125 .....................................0.5
Two of PE 113, 119, 126, 134, 135 ...........................1.0
Two courses from PE 104-135* ....................................1.0
PE 141 ..................................................................1.5
PE 143 ..................................................................1.5
PE 144 ..................................................................1.5
PE 241B ..................................................................1.5
PE 245 ..................................................................1.5
PE 341 ..................................................................1.5
PE 344 ..................................................................1.5
PE 346 ..................................................................1.5
PE 352 ..................................................................1.5
PE 360 ..................................................................1.5
PE 361 ..................................................................1.5
PE 443 ..................................................................1.5
PE 452 ..................................................................1.5
One of PE 461 A-M ...................................................0.5
One of PE 342, 347, 348, 351, 355, 357, 441, 445, 449, 455 ..............1.5
Total ....................................................................27.0
Approved second teaching area plus electives .................................21.0
Total units ..................................................................60.0

* Students must possess their Bronze Medallion Certificate or take PE 105.
** Students should note that each skill performance and analysis course (PE 104–135) is scheduled for 24 hours of instruction. Students should also refer to Credit for Skill Performance and Analysis Courses on page 58 of the Calendar.

10.6.2 Teaching Areas (Secondary)
The following teaching areas must be taken in conjunction with Art, Music or Physical Education.

Art
Restricted admission; see section 10.2, page 63.
Corequisite:
3 units from ENGL 200A, 200B, 200C, 201, 202, 203, 250, HA 120 .................3.0
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

AE 401 .................................................................3.0
Courses chosen from:
Total ....................................................................18.0
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.

Biological Sciences
Corequisites:
CHEM 101 ..............................................................1.5
CHEM 102 ..............................................................1.5
CHEM 231 ..............................................................1.5
MATH 100 or other approved math ......................................................1.5
STAT 255 ................................................................1.5
Total ....................................................................7.5
Area:
BIOC 200 ................................................................1.5
BIOC 190A .............................................................1.5
BIOC 190B ................................................................1.5
BIOC 215 ................................................................1.5
BIOC 225 ................................................................1.5
BIOC 230 ................................................................1.5
BIOC 365 ................................................................1.5
BIOC 366 ................................................................1.5
Approved upper-level biology ......................................................3.0
Total ....................................................................15.0
It is assumed that all applicants for this area will have completed BIOC 11 and 12; if not, BIOC 150A and B must be taken in addition to the above.

Chemistry
Corequisites:
MATH 100 ................................................................1.5
MATH 101 ................................................................1.5
Total ....................................................................3.0
Area:
CHEM 101 ..............................................................1.5
CHEM 102 ..............................................................1.5
CHEM 213 ................................................................1.5
CHEM 222 ................................................................1.5
CHEM 231 ................................................................1.5
CHEM 235 ................................................................1.5
CHEM 245 ................................................................1.5
Approved upper-level chemistry courses* ................................4.5
Total ....................................................................15.0
* MATH 200 is prerequisite to some upper-level courses.

English
Corequisites:
EDCI 350 ..................................................................3.0
EDCI 353A .............................................................1.5
Total ....................................................................4.5
Area:
EDCI 353B ................................................................1.5

2005-06 UVIC CALENDAR

Two of ENGL 200A, 200B, 200C ..............................................3.0
ENGL 215 ....................................................................1.5
ENGL 366B and 366C, or 366D and 366E ....................................3.0
3 units from ENGL 448, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459 ..................................................3.0
Total ....................................................................15.0

French
Area:
FREN 181 and 182 .......................................................3.0
FREN 220 ....................................................................1.5
FREN 286 ....................................................................1.5
FREN 287 ....................................................................1.5
FREN 291 ....................................................................1.5
FREN 292 ....................................................................1.5
FREN 302A and 302B ....................................................3.0
FREN 350 ....................................................................1.5
FREN 300 or higher .........................................................3.0
Total ....................................................................18.0

FREN 402 is recommended.
Students should note that an oral competency examination in French (or completion of FREN 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.

German
Corequisite:
Literature course at the 200 level or higher in any language other than German ..............................................3.0
Total ....................................................................3.0
Area:
GER 100A, 100B, 200, 200 level; or GER 149 ............................................6.0
GER 254 ....................................................................1.5
GER 261 ....................................................................1.5
GER 300 level language courses ...................................................3.0
GER 400 level language courses ...................................................3.0
Total ....................................................................15.0

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.

German may NOT be taken in combination with Physical Education.

History
see Social Studies

Mathematics
Area:
MATH 100 ................................................................1.5
MATH 101 ................................................................1.5
MATH 233A ................................................................1.5
MATH 233C ................................................................1.5
MATH 362 ................................................................1.5
MATH 368A ................................................................1.5
One of STAT 260, 252, 255 ..................................................1.5
One of STAT 261, 256 ....................................................1.5
### FACULTY OF EDUCATION

Two of CSC 110, 115, 212 ........................................ 3.0
**Total** .............................................................. 15.0

In addition to the 15 units listed above, MATH 333A and 333C are recommended.

**Music (Choral)**

Restricted admission; see section 10.2, page 63.

<table>
<thead>
<tr>
<th>Area</th>
<th><strong>Units</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 101</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 201</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 216</td>
<td>2.0</td>
</tr>
<tr>
<td>ME 301</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 303A or 308</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 401</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 402</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 403</td>
<td>1.5</td>
</tr>
<tr>
<td>MUS 101A, 101B, 170</td>
<td>4.0</td>
</tr>
<tr>
<td>MUS 120A and one of 120B, 220A, 220B</td>
<td>3.0</td>
</tr>
<tr>
<td>Two of MUS 180, 280, 380, 480; ME 120, 121, 220, 221</td>
<td>2.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>24.5</strong></td>
</tr>
</tbody>
</table>

**Music (Instrumental)**

Restricted admission; see section 10.2, page 63.

<table>
<thead>
<tr>
<th>Area</th>
<th><strong>Units</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 101</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 201</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 216</td>
<td>2.0</td>
</tr>
<tr>
<td>ME 301</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 316</td>
<td>1.0</td>
</tr>
<tr>
<td>ME 401</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 402</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 403</td>
<td>1.5</td>
</tr>
<tr>
<td>MUS 101A, 101B, 170</td>
<td>4.0</td>
</tr>
<tr>
<td>Two of MUS 331, 332, 333</td>
<td>3.0</td>
</tr>
<tr>
<td>MUS 356A and 356B</td>
<td>3.0</td>
</tr>
<tr>
<td>Two of MUS 180, 280, 380, 480; ME 120, 121, 220, 221</td>
<td>2.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>24.0</strong></td>
</tr>
</tbody>
</table>

**Physical Education**

Restricted admission; see section 10.2, page 63.

<table>
<thead>
<tr>
<th>Area</th>
<th><strong>Units</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 106, 107, 120 and 122</td>
<td>2.0</td>
</tr>
<tr>
<td>One of PE 109 or 114</td>
<td>0.5</td>
</tr>
<tr>
<td>One of PE 116 or 117</td>
<td>0.5</td>
</tr>
<tr>
<td>One of PE 121, 123, 124, 125</td>
<td>0.5</td>
</tr>
<tr>
<td>Two of PE 113, 119, 126, 134, 135</td>
<td>1.0</td>
</tr>
<tr>
<td>Two courses from PE 104-135*</td>
<td>1.0</td>
</tr>
<tr>
<td>PE 141</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 143</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 144</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 241B</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 245</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 341</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 344</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 346</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 352</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 360</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 361</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 443</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 452</td>
<td>1.5</td>
</tr>
<tr>
<td>One of PE 461A-M</td>
<td>0.5</td>
</tr>
<tr>
<td>One of PE 342, 347, 348, 351, 355, 357, 441, 445, 449, 455</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>27.0</strong></td>
</tr>
</tbody>
</table>

*Students must possess their Bronze Medallion Certificate or take PE 105.

**Students should be advised that each skill performance and analysis course (PE 104-135) is scheduled for 24 hours of instruction. Students should also refer to Credit for Skill Performance and Analysis Courses on page 58 of the Calendar.

**Physics**

Corequisites:

<table>
<thead>
<tr>
<th>Course</th>
<th><strong>Units</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 100 and 101</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 200 and 201</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 330A</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7.5</strong></td>
</tr>
</tbody>
</table>

Area:

<table>
<thead>
<tr>
<th>Course</th>
<th><strong>Units</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 112 or 120, 214, 215, 216, 220, 317, 325, 326, 12.0 or 13.5</td>
<td>3.0 or 1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

Note: Students are urged to seek advice from the Secondary Science Adviser.

**Social Studies (with Geography Emphasis)**

Corequisite:

<table>
<thead>
<tr>
<th>Course</th>
<th><strong>Units</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 101B</td>
<td>1.5</td>
</tr>
<tr>
<td>200 level GEOG</td>
<td>3.0</td>
</tr>
<tr>
<td>Upper-level GEOG</td>
<td>6.0</td>
</tr>
<tr>
<td>Upper-level work chosen from any of the following: History, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies and/or Medieval Studies</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Social Studies (with History Emphasis)**

Corequisite:

<table>
<thead>
<tr>
<th>Course</th>
<th><strong>Units</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A and 101B</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>3.0</strong></td>
</tr>
</tbody>
</table>

Area:

<table>
<thead>
<tr>
<th>Course</th>
<th><strong>Units</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower-level history</td>
<td>6.0</td>
</tr>
<tr>
<td>Upper-level history</td>
<td>6.0</td>
</tr>
<tr>
<td>Upper-level work chosen from any of the following: History, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies and/or Medieval Studies</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

Note: Area must include at least 3 units Canadian history.

**Theatre/Drama in Education**

Corequisites:

<table>
<thead>
<tr>
<th>Course</th>
<th><strong>Units</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 402 and 403; or EDIC 353A and 353B</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>3.0</strong></td>
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</tbody>
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Area:

<table>
<thead>
<tr>
<th>Course</th>
<th><strong>Units</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 105</td>
<td>3.0</td>
</tr>
<tr>
<td>THEA 101 or 111 and 112</td>
<td>3.0</td>
</tr>
<tr>
<td>THEA 120</td>
<td>3.0</td>
</tr>
<tr>
<td>THEA 132</td>
<td>3.0</td>
</tr>
<tr>
<td>THEA 330</td>
<td>3.0</td>
</tr>
<tr>
<td>EDIC 487 (Theatre, Drama) and EDUC 444 or 2 of EDIC 487 (Theatre, Drama)</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>21.0</strong></td>
</tr>
</tbody>
</table>

Theatre may NOT be taken in combination with Physical Education.

### 10.7 Year Five: Professional Year

#### Regular Program Option

<table>
<thead>
<tr>
<th>Semester to Program Option</th>
<th><strong>Units</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>September to December</td>
<td>1.5</td>
</tr>
<tr>
<td>EDIC 352</td>
<td>3.0</td>
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<tr>
<td>EDIC 431, 432, 433 or 434</td>
<td>3.0</td>
</tr>
<tr>
<td>One of the following:</td>
<td></td>
</tr>
<tr>
<td><strong>Art Education</strong></td>
<td></td>
</tr>
<tr>
<td>EDIC 706</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 337A</td>
<td>1.5</td>
</tr>
<tr>
<td>Approved second area curriculum and instruction course or ED-D 404 or approved Education elective</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Music Education</strong></td>
<td></td>
</tr>
<tr>
<td>EDIC 761</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 337A</td>
<td>1.5</td>
</tr>
<tr>
<td>Approved second area curriculum and instruction course or ED-D 404 or approved Education elective</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td></td>
</tr>
<tr>
<td>PE 764</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 337C</td>
<td>1.5</td>
</tr>
<tr>
<td>Approved second area curriculum and instruction course</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>September to January</strong></td>
<td></td>
</tr>
<tr>
<td>ED-D 430</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>January to First week in May</strong></td>
<td></td>
</tr>
<tr>
<td>ED-P 780</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-P 798</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total units</strong></td>
<td><strong>15.0</strong></td>
</tr>
<tr>
<td><strong>Total Units for Degree</strong></td>
<td><strong>75.0</strong></td>
</tr>
<tr>
<td><strong>Eligible for PROFESSIONAL CERTIFICATE and DEGREE</strong></td>
<td></td>
</tr>
</tbody>
</table>
11.0 Bachelor of Education Post-Degree Professional Program (Secondary)

11.1 PROGRAM ADMISSION

Maximum enrollments have been established; therefore the Faculty cannot guarantee that all qualified candidates will be accepted. Accepted candidates will be notified as early as possible. The deadline for receipt of application forms is December 31. A special set of application forms is required and may be obtained from the Secondary Division website <www.educ.uvic.ca/secprograms> or by writing to the Education Advising Centre after October 1. Please note that application and evaluation fees must accompany the program application and are due by December 31. All supporting official transcripts for post-secondary work completed by December 31 must be submitted by January 31. Transcripts showing completion of work in progress during the January to April period and, where applicable, the degree, must be received by May 31.

There is a quota on each of the teaching subject areas of this program. Individual interviews may be required as deemed appropriate by the Faculty.

Acceptance Deposit—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 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.

11.2 ADMISSION REQUIREMENTS

Applications will be considered from those who meet the following requirements:

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. credit for 3 units of approved English
4. demonstration of written English competency; for full information see page 57.
5. academic preparation in two teaching concentrations or in one teaching major chosen from the following list:

CONCENTRATION: Minimum 9 units (18 semester hours) of approved upper-level credit with a minimum B- average (UVic 4.0). Teaching concentrations in Theatre and German cannot be taken in combination and must be taken with another approved concentration.

MAJOR: minimum 15 units (30 semester hours) of approved upper-level credit with a minimum B- average (UVic 4.0). Physical Education, The-
### 11.4 Course Requirements

#### Certification Component

**A) Regular Program**

<table>
<thead>
<tr>
<th>Time Period</th>
<th>Course(s)</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>July-August</td>
<td>ED-D 401</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>ED-D 406 or one of EDCI 431, 432, 433, 434</td>
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<td></td>
<td>ED-P 790</td>
<td>1.5</td>
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<td>September-December</td>
<td>EDCI 706 to EDCI 767 (Note 1)</td>
<td>1.5-3.0</td>
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<td></td>
<td>EDCI 352</td>
<td>1.5</td>
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<tr>
<td></td>
<td>ED-D 337A, B, C, or E</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>ED-D 406 or one of EDCI 431, 432, 433, 434</td>
<td>3.0</td>
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<tr>
<td></td>
<td>ED-D 430</td>
<td>1.5</td>
</tr>
<tr>
<td>January to first week in May</td>
<td>ED-P 780</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>ED-P 798</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Total units</td>
<td>19.5-21.0</td>
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</table>

**B) Special Music Program**

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<th>Units</th>
</tr>
</thead>
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<tr>
<td>September-December</td>
<td>EDCI 761</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>EDCI 352</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>One of EDCI 431, 432, 433, 434</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>ED-D 337A</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Approved second area curriculum and instruction course or ED-D 404 or approved Education elective</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>ED-D 430</td>
<td>1.5</td>
</tr>
<tr>
<td>January-April</td>
<td>ED-P 780</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>ED-P 798</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Total units</td>
<td>15.0</td>
</tr>
<tr>
<td>Eligible for CERTIFICATION</td>
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**C) Internship Program**

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<th>Units</th>
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<td>June-August</td>
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<td></td>
<td>ED-D 406</td>
<td>3.0</td>
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<tr>
<td></td>
<td>ED-D 337</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Curriculum Instruction</td>
<td>1.5-3.0</td>
</tr>
<tr>
<td></td>
<td>EDCI 431 or 432</td>
<td>3.0</td>
</tr>
<tr>
<td>September-December</td>
<td>ED-D 430</td>
<td>1.5</td>
</tr>
<tr>
<td>January-June</td>
<td>EDCI 352</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>EDCI 336</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>ED-P 780</td>
<td>1.5</td>
</tr>
<tr>
<td>September-June</td>
<td>ED-P 798</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Total units</td>
<td>19.5-21.0</td>
</tr>
<tr>
<td>Eligible for CERTIFICATION</td>
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</table>

**D) Middle-School Program**

<table>
<thead>
<tr>
<th>Time Period</th>
<th>Course(s)</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>July-August</td>
<td>ED-D 406</td>
<td>3.0</td>
</tr>
</tbody>
</table>

### 11.5 Degree Completion

For students who completed the certification component up to and including 1994-95, an additional 12 to 15 units of approved course work is required for the degree. All courses must be selected in consultation with the Secondary Academic Adviser to ensure that they support the teaching areas or are used to complete a second teaching area if appropriate.

For students completing the certification component in 1995-96 and thereafter, an additional 10.5 to 15 units of approved course work, including ED-D 404 (unless already completed), is required for the degree. All students completing the Bachelor of Education degree must have a total of at least 30 units of course work completed beyond their first degree and a grade-point average of 3.0 in order to qualify for graduation.

### 12.0 Diploma and Certificate Programs

#### 12.1 Diploma in Teacher-Librarianship

This is a 15-unit program leading to a Diploma in Teacher-Librarianship, designed to prepare teachers to function as teacher-librarians in either elementary or secondary schools. The program was developed in response to a call from the Canadian School Library Association in 1981 for a post-baccalaureate diploma that would offer the field specialty preparation in this unique field.

Admission to the program normally requires teacher certification and at least one year's successful teaching experience. For those teachers who have completed all or part of the former elementary program Library Education Teaching Area within the Faculty, it may be possible to replace those courses with other approved electives and complete the requirements of the Diploma. Please note that courses taken for which the Diploma is awarded may not apply toward a degree. Normally students must complete the entire program at the University of Victoria.

The Diploma program is intended to be offered in Summer Sessions, although some courses may be offered during the Winter Session both on and off-campus and through other agencies. While it is hoped that all courses will be offered over a three-year cycle, it is not possible to assure students that they can complete all the requirements within that period. The program is subject to minimum enrollments; that condition may adversely affect a student's plans to complete within a specific time period.

#### Diploma in Teacher-Librarianship

**Elementary**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL 432</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 433</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 434</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 435</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 437</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 438</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 494*</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 337</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 348</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 351</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Secondary**

<table>
<thead>
<tr>
<th>Code</th>
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<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL 432</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 433</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 434B</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 435</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 437B</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 438</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 494*</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 337</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 348</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 351</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
</tbody>
</table>

* Directed studies

** May substitute other approved children's literature course (1.5-3)

#### 12.2 Certificate in Kodály Methodology

This is a 9-unit program leading to a Certificate in Kodály Methodology in Music Education, designed to provide teachers with a comprehensive background in both musicianship and pedagogy based upon the Kodály system of music instruction.

#### Certificate Courses

**Year One**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 350</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 351</td>
<td>Core Courses</td>
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</tr>
</tbody>
</table>

**Year Two**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ME 450</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 451</td>
<td>Core Courses</td>
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</table>

**Year Three**

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>ME 460</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
<tr>
<td>ME 461</td>
<td>Core Courses</td>
<td>1.5</td>
</tr>
</tbody>
</table>
This program is normally offered during Summer Session only. Courses applied toward this Certificate may not also apply toward a degree. Applicants who have previously received credit toward a degree for any of these courses (or their equivalents) may not apply up to three units of courses with the consent of the Department. To be admitted to the program, students must normally have a 3-unit first-year university-level music theory course (e.g., UVic MUS 101A, 101B and 170) or a second-year conservatory theory course (e.g., Royal Conservatory of Music Grade II) or the equivalent.

12.3 Diploma in Career and Personal Planning

This is a 15-unit program at the undergraduate level leading to a Diploma in Career and Personal Planning. It is designed to provide teachers of Personal Planning K to 7 and Career and Personal Planning 8 to 12 with the knowledge, understanding and skills needed to effectively deliver these new curricula in BC schools. Because Career and Personal Planning is a K to 12 program, the Diploma is suitable for elementary, middle and secondary teachers.

Admission to the program normally requires an undergraduate degree and certification as a teacher. For those students who already have completed some of the Diploma courses, it may be possible to replace those courses with other approved electives and complete the requirements of the Diploma. Please note that courses taken for which the Diploma is awarded may not be applied toward a degree. Normally students must complete the entire program at the University of Victoria.

The Diploma program courses are intended to be offered through a combination of Summer Session, distance, and off-campus delivery. The program is subject to minimum enrollments; that condition may affect plans for completing the Diploma within a specific time period.

Diploma Courses

The Diploma requires 15 units of courses. Twelve units are required, and three are elective. Applicants will have their program of required and elective courses approved by the Diploma Steering Committee.

Required Courses (12.0 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED-D 440</td>
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</tr>
<tr>
<td>ED-D 441</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 446A</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 446B</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 417</td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 444 OR ED-D 433 AND 434</td>
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<td>Total</td>
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Approved Electives (3.0 units)*

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<th>Course Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Total Units for Diploma</td>
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<td>15.0</td>
</tr>
</tbody>
</table>

*Additional electives may be approved by the Program Steering Committee.

12.4 Diploma in Educational Technology

This is a 15-unit program, leading to a Diploma in Educational Technology, designed to qualify practicing teachers to design and develop programs integrating information technologies into instruction.

The program is offered off campus in selected locations in British Columbia through the Division of Continuing Studies in Education and is available to anyone admissible to the University of Victoria.

Courses will be offered over a three-year cycle. The program is subject to minimum enrollments.

Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
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<td>EDCI 337</td>
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<td>EDCI 338</td>
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<td>EDCI 339</td>
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<td>ED-D 338</td>
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<td>1.5</td>
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<td>EDCI 437</td>
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</tbody>
</table>

Elective Courses

Students may take 3.0 units of elective courses that apply the material learned in the core course. These electives should focus on a specific subject area within education; e.g., Language Arts, ESL, Early Childhood Education, Career and Personal Planning, Science, Mathematics, Adult Education, Art Education. These electives may be taken at institutions other than the University of Victoria.

Total Units for Diploma | 15.0 |

13.0 School of Physical Education

For information about secondary education teaching programs, please refer to 10.6.2.

13.1 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 education model. Please refer to page 43 for a general description of the Co-operative Education concept and general regulations governing all co-operative education students.

The School of Physical 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 the Admissions Office. Reregistering UVic students may obtain an approved application form from the School of Physical Education after November 1. Students are selected for entry into the program for the following September.

The deadline for receipt of application forms is January 31.

Applications will be considered from those who meet the following:

1. at least 12 units of credit, including 3 units of English
2. an interview by the School of Physical Education
3. academic preparation which includes the following:
   - PE 143 (1.5) – a minimum grade-point average of 4.0 (on a 9-point scale) on the most recent session.
   - Normally, 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.

All students should follow the academic guidelines described in section 13.1.1. Applicants to the co-op program in Recreation and Health Education may be admitted into Co-operative Education after a successful interview, but before 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 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 Physical Education.

In order to continue in this program, a grade-point average of at least 3.5 is required in every session attended.

Students must complete four Work Terms (each of a minimum duration of 13 weeks). Each Work Term is noted on the student’s academic record (grading: COM, N or F). 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.

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.

13.1.1 Recommended Sequence of Courses

**Year One:**

(Humanities, Science, or Social Sciences)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
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<td>CSC 100 or 110</td>
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<td>1.5</td>
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<td>ENGL</td>
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2005-06 UVIC CALENDAR

FACULTY OF EDUCATION
**FACULTY OF EDUCATION**

<table>
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<td>PE 142</td>
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</tr>
<tr>
<td>PE 143</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 100A and B</td>
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<tr>
<td>SOCI 100</td>
<td>1.5</td>
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<tr>
<td>One elective</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
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</table>

**Year Two**

<table>
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<tbody>
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<td>PE 243</td>
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**Year Three**

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**Year Four**

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**January-April:**

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<td>PE 356 (Summer only)</td>
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**Year Five**

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**Total Units for Degree**  **60.0**

1. Students must complete three skill performance and analysis courses from PE 104-133.
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 one of PE 344, 357, 449, 451 or 455.*
3. PE 241A and 241B are prerequisites.

**13.1.2 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.

**13.2 Bachelor of Science BSc (Kinesiology)**

The School of Physical 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), Math 12 and Physics 11.

The School of Physical Education accepts a total of 30 students each year into the BSc Kinesiology Major and Major Co-operative programs.

**13.2.1 Major**

Students transferring from college and universities should complete an Application for Admission form available from the Admissions Office. Reregistering UVic students may obtain an application form from the School of Physical Education after November 1. The deadline for receipt of application forms is January 31 for entry into the program the following September.

Applications will be considered from those who have at least 12 units of credit including:

1. a minimum of 6 units of science-designated units
2. 3 units of English
3. PE 143
4. a minimum grade-point average of 4.5 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.

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.

**13.2.2 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 physical education courses (excluding PE 100-level courses) and a grade-point average of 5.0 in non-physical education 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 Physical Education courses
3. a grade of at least B in PE 499

An Honours degree with distinction will be awarded to students who obtain:

1. a graduating average of at least 6.5
2. a grade-point average of at least 6.5 for 300- and 400 level School of Physical Education courses
3. a grade of at least A in PE 499.

A student who achieves a grade lower than B- in PE 499 will graduate under the Major program, providing all other requirements for the degree are fulfilled. The submission date for the thesis in PE 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 an approved Statistics course (1.5 units), PE 357 (1.5 units) and PE 499 (3.0 units)
2. reduction of senior PE electives by 1.5 units and non-PE electives by 3 units.

**13.2.3 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)

<table>
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<tr>
<td>CHEM*</td>
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<tr>
<td>PE 141*</td>
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<td>PE 143</td>
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<tr>
<td>ENGL</td>
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<td>Electives (see note 3)</td>
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**Year Two**

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<td>Phys*</td>
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<td>PE 241B*</td>
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<td>PE 245</td>
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</table>
The School of Physical Education accepts 10 students each year into this program by the selection process described under Major Programs, above. All students should follow the academic guidelines described in section 13.2.6. Applicants to the co-op program in Kinesiology may be admitted into Co-operative Education after a successful interview, but before formal admission into the Kinesiology 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 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 co-op work term does not guarantee admission to the School of Physical Education.

Work term credit by challenge is not permitted in the BSc Kinesiology Co-op program. Students must maintain a grade-point average of at least 3.5 and must complete three Work Terms (each a minimum duration of 13 weeks). 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 or F). A student who does not complete a Work Term satisfactorily will normally be required to withdraw from the program. 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.

13.2.6 Recommended Sequence of Courses BSc Kinesiology Major – Co-operative Education

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* 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 the four basic sciences (BIOL, CHEM, MATH and PHYS).
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 Education Advising. 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.

13.2.5 BSc Major in Kinesiology – Co-operative Education Program

Please refer to page 43 for a general description of the Co-operative Education concept and general regulations governing all co-operative education students.
The Faculty of Engineering offers a variety of 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. A Bachelor of Software Engineering (BSENG) degree is offered jointly by the Departments of Computer Science and Electrical and Computer Engineering. Programs leading to the degree of Bachelor of Science are offered through the Department of Computer Science. Students in the Faculty also have a number of program options, including Software Engineering in Computer Engineering or Computer Science, and Co-operative Education, which is mandatory for students in the BEng and BSENG programs and the BSc Computer Science (Business Option) program, and optional for other BSc programs.
Faculty of Engineering

D. Michael Miller, BSc (Winn), MSc, PhD (Man), PEng, Dean of the Faculty
Fayez Gebali, BSc (Cairo), BSc (Ain Shams), PhD (UBC), PEng, Associate Dean and Professor
Barry W. Brooks, BSc, MSc (Calg), PEng, Program Manager
George Csanyi-Fritz, PEng, Faculty Engineer
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Kevin Jones, Programmer Analyst
Shane Kerschtien, BEng (U of Vic), Programmer Analyst
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Sean McConkey, BSc (Wat), Co-operative Education Coordinator

General Information

DEGREES AND PROGRAMS OFFERED

The Faculty of Engineering offers the following degree options:

- BEng in Electrical Engineering
- BEng in Computer Engineering
- BEng in Mechanical Engineering
- BSENG in Software Engineering
- BSc in Computer Science

Software Engineering is also available as a BEng specialization in Computer Engineering or as a BSc option or emphasis in Computer Science.

Admission requirements and regulations for the BEng and BSENG degree programs are described below. Admission requirements and regulations for the BSc degree programs are described on page 78.

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 Co-operative Education Program is described on page 76, the BSENG Co-operative Education Program is described on page 80 and the Computer Science Co-operative Education Programs are described on page 88.

AVAILABILITY OF COURSES TO STUDENTS IN OTHER FACULTIES

Computer Science (CSC) and Software Engineering (SENG) courses are open to all UVic students. 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.

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.

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.

LIMITATION OF ENROLLMENT

Enrollment 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.

Enrollment in SENG 271, 265 and all 300 and 400 level SENG courses will be limited by requiring a minimum grade of B- in CSC 115, 225, 230, and SENG 265 whenever they are explicit prerequisite for those courses. These restrictions do not apply to BEng or BSENG students.

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.

Bachelor of Engineering Undergraduate Programs

<table>
<thead>
<tr>
<th>Faculty of Engineering</th>
<th>Bachelor of Software Engineering</th>
<th>Bachelor of Engineering</th>
<th>Bachelor of Science Program</th>
<th>Bachelor of Arts Program</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Honours</td>
<td>Major</td>
<td>General</td>
</tr>
<tr>
<td>Department of Electrical and Computer Engineering</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department of Mechanical Engineering</td>
<td>•</td>
<td>•</td>
<td></td>
<td></td>
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<tr>
<td>Department of Computer Science</td>
<td>•</td>
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<td>•</td>
</tr>
</tbody>
</table>

1. 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, or Music and Computer Science will normally register in the Faculty of 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.

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.

3. The BSENG degree is offered jointly by the Department of Computer Science and the Department of Electrical and Computer Engineering.
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 22.

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 22). 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 75%.

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 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 Technology will be admitted to the third year of a BEng program while students with a two-year diploma in Computer Technology may be admitted to either the third year of a BEng or BSENG program. (Offering of a BSENG Bridge Program is subject to approval by Camosun College and the Ministry of Advanced Education.) 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.

Mature Applicants

A limited number of mature applicants who do not meet the minimum requirements (as set out on page 22) may be admitted if, in the judgment of the Faculty, they have obtained equivalent experience.

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 28. Credit will be considered only for courses 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 reaplication. 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. Students who are required to withdraw are 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. 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. 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.

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, the Physics 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 Program Change Request 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 reenrollment 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.

<table>
<thead>
<tr>
<th>Year</th>
<th>September-December</th>
<th>January-April</th>
<th>May-August</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Academic Term 1A</td>
<td>Academic Term 1B</td>
<td>Work/Other Term</td>
</tr>
<tr>
<td>2</td>
<td>Academic Term 2A</td>
<td>Work/Other Term</td>
<td>Academic Term 2B</td>
</tr>
<tr>
<td>3</td>
<td>Work/Other Term</td>
<td>Academic Term 3A</td>
<td>Work/Other Term</td>
</tr>
<tr>
<td>4</td>
<td>Academic Term 3B</td>
<td>Work/Other Term</td>
<td>Academic Term 4A</td>
</tr>
<tr>
<td>5</td>
<td>Work/Other Term</td>
<td>Academic Term 4B</td>
<td></td>
</tr>
</tbody>
</table>

Year of Entry into the BEng or BSENG Program

<table>
<thead>
<tr>
<th>Normal Time to Complete (months)</th>
<th>56</th>
<th>44</th>
<th>28-36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Time to Complete (months)</td>
<td>80</td>
<td>68</td>
<td>48</td>
</tr>
</tbody>
</table>

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 page 35), with the following exceptions:

- A grade of D in a course implies a weak but marginally acceptable performance. While a D is a passing grade, an accumulation of D grades is an indication of overall weakness in a student's performance.
- A student may accumulate no more than 12 units of uncleared D grades in the BEng or BSENG program to be eligible to graduate.
- 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).
- The grade DEF is used for courses in which a deferred examination has been granted on the basis of illness, family afflication or other similar circumstances (see Deferred Exams, below).
- A student is in Failed Standing if their sessional GPA is less than 2.0 or if the student is currently in Probationary Standing and their next sessional GPA is less than 3.0.

Students with Failed Standing in the BEng or BSENG programs are 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.

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 28.

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 start of the student’s next academic term; that is, approximately four months following the deferral of the exam.

Supplemental Examinations
• Supplemental examination privileges in BEng or BSENG degree courses are granted to students who are not in Failed Standing in the program at the end of the session in which the course (for which a supplemental is requested) was taken. For first-year students, the standing is based on their entire first year (terms 1A and 1B) and requests are only processed in April and May. (Note: Because the University does not determine a new standing for students at the end of December, the Faculty will determine a ‘December standing’ for those upper-year students requesting a supplemental exam based on courses taken from September to December. This ‘standing’ will only be used to determine if the student qualifies for the supplemental privilege at that time.)
• The number of such examinations may not exceed the lesser of two or one-third of the courses (excluding those graded COM/F/N) taken by the student since their last formal standing review.
• Students may apply 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.
• The grade received on a supplemental examination will replace only the grades of examinations and quizzes, and will not compensate for or replace laboratory, project and assignment grades. Any 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 treated according to University Regulations (see page 35). 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 Dean of Engineering.
• Students who receive an E in a course (an E is a failing grade) may request a supplemental examination.
• Applications for supplemental examinations, accompanied by the required fees, must be received by the BEng Office by the following dates:
  – for courses taken during the September–December term (1A, 2A, 3B); February 28
  – for courses taken during the January–April term (1B, 3A, 4B); June 30
  – for courses taken during the May–August term (2B, 4A); October 31
• Students will normally be notified of 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 include only CENG, ELEC, ENGR and MECH courses, and SENG courses offered by the Electrical and Computer Engineering Department.
• For more information, and to apply for supplemental examinations, send an e-mail to the following address: bengoffice@engr.uvic.ca.

Graduation Requirements
Students must meet the following 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 3.0 and to currently be in Satisfactory Standing.
4. No more than 12.0 units of uncleaned D grades in the BEng or BSENG Program on their academic record.

Graduating Average of a Student in the BEng or BSENG Program
Students who obtain a GPA of at least 7.0 over the last two years of their program and who have no failing grades and not more than 3.0 units of D grades over the last two years of their program will graduate with the BEng or BSENG degree “With Distinction.” Students who complete their graduation requirements “With Distinction” 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, including, where necessary, the appropriate fraction of a 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 110 Fundamentals of Programming: I
CSC 160 Fundamentals of Programming: II for Engineers
ELEC 199 Laboratory in Engineering Fundamentals
ENGL 115 University Writing
or ENGL 135 Reading and Writing Across Disciplines
ENGR 020 Introduction to Professional Practice
ENGR 240 Technical Writing
ENGR 280 Engineering Economics
ENGR 446 Technical Report
MATH 100 Calculus: I
MATH 101 Calculus: II
MATH 133 Matrix Algebra for Engineers
MECH 141 Engineering Fundamentals: I
PHYS 122 Mechanics for Engineers
PHYS 125 Fundamentals of Physics
STAT 254 Probability and Statistics for Engineers

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
ENGR 498 Engineering Law
MATH 200 Calculus of Several Variables
MATH 201 Introduction to Differential Equations

Engineering Co-operative Education Program
Students in the BSENG program should refer to the Interdepartment Program (BSENG) Requirements section of this entry (page 79) to find the requirements for the Co-op component of that degree.

Co-operative Education is mandatory in the BEng degree program.

The general regulations found in the Co-operative Education Programs section of the calendar (see page 44) will normally apply to BEng degree program students. However, where the BEng regulations differ from the Co-operative Education regulations, the BEng regulations will apply.

BEng Co-op Requirements
The Faculty 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 to waive a requirement at a later date. The BEng Co-operative Education Office is responsible for overseeing and evaluating work placements, and the assignment of the work term grades.
Work Term Sequence
Work terms are normally of four months’ duration (minimum 13 weeks) and alternate with academic terms.

Work Term Prerequisites
Students normally must have completed ENGR 020 (Introduction to Professional Practice) before undertaking their first work term but in all cases must complete it before taking the second work term. Students normally must also successfully complete the University English Requirement and ENGR 240 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 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 may apply to challenge one or two work terms.

2. A student with recognized co-op work terms from another certified 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 degree. Detailed documentation supporting the credit request may be required.

Students must apply in writing to the BEng Co-op Office for challenges and transfer credits. Applications must be made within the first four months of attendance in the BEng program at UVic.

A student undertaking continuous co-op work experience longer than four months must be registered in a separate work term for each four 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 submit a Work Term Application form before participating in a placement cycle. Once a student has submitted this form, the student is normally expected to complete the work term regardless of how many work terms have already been completed.

Students must register for each work term by completing a Work Term Registration form, which is provided by the BEng Co-op Office. This form is normally submitted when the student submits the Work Term Application form. 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
The work term performance of each student will be evaluated on the basis of 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 Faculty of Engineering, and a log of the student’s work activities in a form that conforms to the requirements for log books set out by the APEGBC. A grade of COM, F or N will be assigned; COM is the passing grade. An appeal of an F or N grade awarded for a work term will only be considered if it is submitted within six months of completion of the work experience.

At the beginning of each work term, students will submit a Work Term Record Form outlining the expectations for the work term. The original logbook will be submitted at the end of the work term. Periodically, written reviews of the student’s performance will be supplied by the employer and a final review must be submitted at the end of the work term.

Students are also required to submit a written report at the end of each work term that conforms to the program guidelines then in place. This report is part of the formal credit assessment done at the end of a work term and it must be evaluated as satisfactory in order to obtain credit for the work term.

Work Term Fees
The university assesses a registration fee for each work term attempted by the student while registered in one of its programs. 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 Dean. 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.

Introduction to Professional Practice
The Faculty of Engineering offers a series of non-credit workshops (ENGR 020) in each term of the Winter Session and during Summer Studies to assist students in:

- preparation of résumés and cover letters
- development of effective interview techniques
- skills assessment and analysis
- work term report preparation
- understanding national and international placement standards
- methods for developing independent co-op job contacts

All students are normally required to participate in these workshops in their 2A term (September–December). Students entering third year via the Bridge Program will normally complete these workshops in their first academic term (January–April).

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. Enrollment 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:

- EN 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 enroll 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. Enrollment 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 MECH 466, ELEC 466, SENG 466 and ENGR 466 as part of their program, as well as courses specific to each program. The academic schedule for the MES Option is 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 specializa-
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.

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 Co-operative Education 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 (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 regulations 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 74.

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 their University standing for students in a BSc degree program.

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 Co-op/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 Faculty 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 page 36). 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 page 36). The graduation standing for students in a BSc Honours Program is determined in accordance with the regulations described under Graduation Standing: Honours Program, page 83.

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 at least 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.

UVIC/MALASPINA UNIVERSITY COLLEGE JOINT BSc IN COMPUTER SCIENCE PROGRAM
The University of Victoria, in co-operation with Malaspina University College, offers a Bachelor of
overseeing the quality and operation of the Engineering Program. The Program Director is responsible for Computer and Electrical Engineering. The Software degree is offered jointly by the Department of Software Engineering. The BSENG (Bachelor of Software Engineering) degree requires the following courses:

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.

Program Requirements

First Year

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110 (1.5)</td>
<td>Fundamentals of Programming: I</td>
</tr>
<tr>
<td>MATH 100 (1.5)</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 133 (1.5)</td>
<td>Matrix Algebra for Engineers</td>
</tr>
<tr>
<td>MECH 141 (1.5)</td>
<td>Engineering Fundamentals: I</td>
</tr>
<tr>
<td>PHYS 122 (1.5)</td>
<td>Mechanics for Engineers</td>
</tr>
<tr>
<td>CHEM 150 (1.5)</td>
<td>Engineering Chemistry</td>
</tr>
<tr>
<td>CSC 160 (1.5)</td>
<td>Fundamentals of Programming: II for Engineers</td>
</tr>
<tr>
<td>ELEC 199 (1.0)</td>
<td>Laboratory in Engineering Fundamentals</td>
</tr>
<tr>
<td>ENGL 115 (1.5)</td>
<td>University Writing</td>
</tr>
<tr>
<td>or ENGL 135 (1.5)</td>
<td>Reading and Writing Across Disciplines</td>
</tr>
<tr>
<td>MATH 101(1.5)</td>
<td>Calculus II</td>
</tr>
<tr>
<td>PHYS 125 (1.5)</td>
<td>Fundamentals of Physics</td>
</tr>
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</table>

Second Year

<table>
<thead>
<tr>
<th>Term 2A</th>
<th>Term 2B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 230 (1.5)</td>
<td>Computer Architecture and Assembly Language</td>
</tr>
<tr>
<td>ELEC 255 (1.5)</td>
<td>System Dynamics</td>
</tr>
<tr>
<td>ENGR 240 (1.5)</td>
<td>Technical Writing</td>
</tr>
<tr>
<td>MATH 122 (1.5)</td>
<td>Logic and Foundations</td>
</tr>
<tr>
<td>SENG 265 (1.5)</td>
<td>Software Development Methods</td>
</tr>
<tr>
<td>STAT 260 (1.5)</td>
<td>Introduction to Probability and Statistics: I</td>
</tr>
<tr>
<td>CSC 225 (1.5)</td>
<td>Algorithms and Data Structures: I</td>
</tr>
<tr>
<td>ELEC 310 (1.5)</td>
<td>Digital Signal Processing: I</td>
</tr>
<tr>
<td>ENGR 280 (1.5)</td>
<td>Engineering Economics</td>
</tr>
<tr>
<td>MATH 222 (1.5)</td>
<td>Discrete and Combinatorial Mathematics</td>
</tr>
<tr>
<td>SENG 271 (1.5)</td>
<td>Software Architecture and Systems</td>
</tr>
<tr>
<td>SENG 310 (1.5)</td>
<td>Human Computer Interaction</td>
</tr>
<tr>
<td>or ELEC 435 (1.5)</td>
<td>Microprocessor-Based Systems</td>
</tr>
<tr>
<td>or CSC 360 (1.5)</td>
<td>Introduction to Operating Systems</td>
</tr>
</tbody>
</table>

Third Year

<table>
<thead>
<tr>
<th>Term 3A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 355 (1.5)</td>
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<tr>
<td>or CENG 355 (1.5)</td>
</tr>
<tr>
<td>or CSC 360 (1.5)</td>
</tr>
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</table>

Fourth Year

<table>
<thead>
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<th>Term 4A</th>
<th>Term 4B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 450 (1.5)</td>
<td>Computer Communications and Networks</td>
</tr>
<tr>
<td>or CENG 460 (1.5)</td>
<td>Computer Communication Networks</td>
</tr>
<tr>
<td>SENG 440 (1.5)</td>
<td>Embedded Systems</td>
</tr>
<tr>
<td>3 electives (4.5)</td>
<td>From List I and/or List II</td>
</tr>
<tr>
<td>Free elective (1.5)</td>
<td>Taken from any faculty</td>
</tr>
<tr>
<td>or ELEC 455 (1.5)</td>
<td>Real Time Computer Systems</td>
</tr>
<tr>
<td>SENG 401 (1.5)</td>
<td>Social and Professional Issues</td>
</tr>
<tr>
<td>SENG 426 (1.5)</td>
<td>Software Quality Engineering</td>
</tr>
<tr>
<td>SENG 499 (1.5)</td>
<td>Technical Project</td>
</tr>
<tr>
<td>2 electives (3.0)</td>
<td>From List I and/or List II</td>
</tr>
</tbody>
</table>

BSENG Electives List I

| CENG 420 | Artificial Intelligence |
| CENG 450 | Computer Systems and Architecture |
| CENG 326 | Algorithms and Data Structures: II |
| CENG 405 | Computer Graphics |
| CENG 425 | Analysis of Algorithms |
| CENG 454 | Fault-Tolerant Computing |
| ELEC 426 | Robotics |
| ELEC 485 | Pattern Recognition |
| SENG 315 | Information and Knowledge Management |
| SENG 330 | Object-Oriented Software Development |
| SENG 410 | Media Applications |
| or CSC 461 | Multimedia Systems |
FACULTY OF ENGINEERING

BSENG Electives List II

- CSC 330 Programming Languages
- CSC 340 Numerical Methods
- CSC 405 Computer Graphics
- CSC 435 Compiler Construction
- CSC 445 Operations Research: Linear Programming
- CSC 446 Operations Research: Simulation
- CSC 464 Concurrency
- CENG 453 Introduction to Parallel and Cluster Computing
- CENG 461 Analysis and Design of Computer Communications Networks
- ELEC 407 Digital Signal Processing: II
- ELEC 422 Software Architecture
- ENGR 424 System Reliability
- ENGR 435 Computer Supported Collaborative Work
- ENGR 454 Component Based Software Engineering
- ENGR 470 Management of Software Development
- ENGR 472 Software Process
- ENGR 474 Data Mining
- ENGR 480 Topics in Software Engineering
- ENGR 490 Directed Studies

Basic Science Electives

Any two of the following courses are acceptable for use in satisfying the Basic Science elective requirement of the BSENG program. Depending on the first course taken, some additional courses may also be suitable for use to satisfy this requirement. Students should contact the BSENG Office about the possible use of other courses.

- ASTR 200A, ASTR 200B
- BIOL 150A, BIOL 150B, BIOL 190A, BIOL 190B
- BIOC 102
- CHEM 102
- EOS 110, EOS 120
- MICR 200
- PHYS 210, PHYS 216, PHYS 220

Complementary Studies Elective

This course must be chosen to meet the Complementary Studies requirements for accreditation. A current list of acceptable courses may be obtained from the BSENG Office. BSENG students wishing to use a course not on this list must obtain written approval through the BSENG Office.

BSENG Mechatronics and Embedded Systems Option Requirements

The Mechatronics and Embedded Systems Option of the BSENG program requires completion of the following additional courses:

- MECH 486 Sensors and Actuators for Mechatronic Systems
- ELEC 466 System-on-Chip Engineering for Signal Processing
- MECH 466 Microelectromechanical Systems
- SENG 466 Software for Embedded and Mechatronics Systems
- ENGR 466 Integrated Mechatronics and Embedded Systems Project

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 module 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: BSENG (Mechatronics and Embedded Systems Option)

See page 79 for Terms 1A, 1B, 2A, 2B, 3A and electives.

Term 3B
- CSC 320
- CSC 370
- SENG 360
- SENG 371
- Basic Science Elective (1.5)

Complementary Studies Elective (1.5)

Term 3BAA
- CENG 455 or CSC 460
- MECH 486
- SENG 401
- SENG 426
- 2 electives (3.0) from List I and/or List II

Term 4A
- CENG 460 or CSC 450
- SENG 440
- Free elective (1.5) taken from any faculty 3 electives (4.5) from List I and/or List II

Term 4B
- ELEC 466
- ENGR 466 (4.5)
- MECH 466
- SENG 466

BSENG Co-op Requirements

Co-operative Education is mandatory in the BSENG degree program.

The general regulations found in the Co-operative Education Programs section of the calendar (see page 44) will normally apply to BSENG degree program students. However, where these BSENG regulations differ from the Co-operative Education regulations, the BSENG regulations will apply.

BSENG Co-op Requirements

The Faculty will endeavor 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 to waive a requirement at a later date.

The BSENG Co-operative Education Office is responsible for overseeing and evaluating work placements, and the assignment of the work term grades.

Work Term Module Definition and Sequence

Co-op work experience consists of a number of blocks of full-time employment that will normally span four-month intervals and alternate with academic terms of similar length. However, work periods may, in exceptional circumstances, be as short as 1 month (four contiguous weeks at 35 hours per week) or as long as 16 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 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. Each student must complete at least four work terms (16 Work Term Modules) in order to graduate in the BSENG program.

Work Term Module Prerequisites

Students normally must have completed ENGR 020 (Introduction to Professional Practice) before undertaking their first Work Term (first Work Term Module) but in all cases must complete it before starting their second work term (fifth Work Term Module).

Students normally must also successfully complete the University English Requirement and ENGR 240 before undertaking their first Work Term Module but in all cases must complete this requirement before starting their second work term (fifth Work Term Module).

Work Term Module Credits/Reductions

Students must obtain passing grades for an aggregate of four work terms (16 work term modules) in order to qualify for the BSENG degree. There are, however, several clearly defined situations where this requirement may be reduced by up to two work terms (8 work term modules). Please note that the total credits/reductions that can be accumulated under this section is limited to a maximum of 8 work term modules.

1. A student with extensive technical work experience may apply for challenge for credit up to 8 Work Term Modules.
2. A student with recognized co-op work terms from another certified post-secondary institution may apply for transfer credit for up to 8 Work Term Modules if they have at least 12 units of academic credit that transfers from that institution towards the BSENG degree.

Detailed documentation supporting the credit request may be required. Students must apply in writing to the BSENG Co-op Office for challenges and transfer credits. Applications must have been made within the first four months of attendance in the BSENG program at UVic.
Work Placement Application and Registration

Students must submit a Work Placement Application form before participating in a placement cycle. Once a student has submitted this form, the student is normally expected to complete the stipulated Work Term Modules regardless of how many Modules have already been completed.

Students must register for each work placement by completing a Work Term Module Registration form, which is provided by the BSENG Co-op Office. This form is normally submitted when the student submits the Work Placement Application form. Students must be registered for the entire duration of a work 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

An evaluation of the work term performance of each student will be done at stated intervals as given below. This assessment will be based on three inputs: the employer’s evaluation of the student’s performance with respect to assigned work tasks; a written work term report prepared by the student and evaluated by a designated member of the Faculty of Engineering; and a log of the student’s work activities, in a form that conforms to the requirements for log books set out by the APEGBC. A grade of COM, F or N will be assigned; COM is the passing grade. An appeal of an F or N grade awarded for a work term will only be considered if it is submitted within six months of completion of the work experience.

The work performance of each student 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.

At the beginning of each new work placement, students will submit a Work Term Module Record Form outlining the expectations for each Work Term Module. At the end of each Work Term Module, the student will submit a copy of their logbook for that time period. The original logbook will be submitted at the end of four, eight, twelve and sixteen months of aggregated work experience. Employers will supply written reviews of the student’s performance at the end of the fourth, eighth, twelfth and sixteenth Work Term Module and at the end of any continuous period of employment.

At the end of the fourth, eighth, twelfth and sixteenth Work Term Module, students are required to submit a written report that conforms to the guidelines then in place, in the program. This report is part of the formal credit assessment done at the end of each work term (four-month aggregate of experience) and it must be evaluated as satisfactory in order to obtain credit for the previous set of four Work Term Modules.

Failure to pass one or more Work Term Modules which are part of any given work term evaluation will result in the student being required to complete one or more additional Work Term Modules to meet the graduation requirement.

Co-op Fees

The university assesses a registration fee for each work term attempted by the student while registered in one of its programs. This fee will be assessed at the beginning of each four month aggregate of Work Term Modules in the case of BSENG students. A fee is also assessed for work term challenges but no fee is assessed for work term transfer credits.

Status of Students on Work Placements

Students completing three or more Work Term Modules, in a 4-month term, 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 Dean.

Registrations that involve fewer than three Work Term Modules, in a non-academic term, will result in the student losing their full-time standing at UVic for that term unless the student is also registered in an appropriate number of units of course work during the same term.

Students who are not registered either in academic terms or in approved work experience activities should make themselves aware of the implications of their lack of full-time status at the University.

Introduction to Professional Practice

The Faculty of Engineering Co-op Program offers a series of non-credit workshops (ENGR 020) in each term of the Winter Session and during Summer Studies in order to assist students in:

- preparation of résumés and cover letters
- development of effective interview techniques
- skills assessment and analysis
- work term report preparation
- understanding national and international placement standards
- methods for developing independent co-op job contacts

All students are normally required to participate in these workshops in their 2A term (September-December). Students entering third year via the Winter Session are normally required to participate in these workshops in their first academic term (January-April).

2005-06 UVIC CALENDAR
FACULTY OF ENGINEERING

Peter Walsh, BSc, MSc (Univ Coll, Cork), PhD (U of Vic), Adjunct Assistant Professor (2001-04)

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 (Software Engineering Option)
- Major in Computer Science (Business Option)
- Major in Computer Science (Mechatronics and Embedded Systems Option)
- Major in Computer Science (Bioinformatics 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
- Physics and Computer Science
- Health Information Science and Computer Science
- Visual Arts and Computer Science
- Psychology and Computer Science
- Geography and Computer Science (Geomatics)
- Music 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.

The Department also offers the following General degree programs:

- BSc General in Computer Science
- Geography and Computer Science (Geomatics)
- Physics and Computer Science
- Computer Science and Statistics
- Computer Science and Mathematics

Students may obtain credit for only one Computer Science program.

Course Credit Restriction

Students who demonstrate to the Department that they have mastered the material of a course may be granted advanced placement.

Advanced Placement

Students may obtain credit for only one Computer Science course in each of the following pairs: 112 or 212, 115 or 160, 250 or 355, 370 or 470, 425 or 420, 435 or 471, 448A or 445, 448B or 446

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 enrollment 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 Co-operative Education Advising Office before completion of their first term of studies.

Students 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 28, for further information.

Limitation of Enrollment

Enrollment in certain Computer Science courses is limited. Enrollment in CSC 100, 105, 110 and 115 is on a first-come, first-served basis.

Enrollment in all other Computer Science courses will be limited by requiring a minimum grade of B- in CSC 115, 225, 230 and SENG 265 whenever they are prerequisite for those courses. These restrictions do not apply to BEng or BSENG students.

Entry to the Major in Computer Science (Business Option) program is limited. Students interested in this program 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 the program will be based on GPA in required courses.

Availibility 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.

Other Faculties

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 28, for further information.

Limitation of Enrollment

Enrollment in certain Computer Science courses is limited. Enrollment in CSC 100, 105, 110 and 115 is on a first-come, first-served basis.

Enrollment in all other Computer Science courses will be limited by requiring a minimum grade of B- in CSC 115, 225, 230 and SENG 265 whenever they are prerequisite for those courses. These restrictions do not apply to BEng or BSENG students.

Entry to the Major in Computer Science (Business Option) program is limited. Students interested in this program 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 the program 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: 112 or 212, 115 or 160, 250 or 355, 370 or 470, 425 or 420, 435 or 471, 448A or 445, 448B or 446

UVIC UNDERGRADUATE CALENDAR 2005-06
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 78).

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 Centre.

Admission to the Honours Program

Students who wish to be admitted to the Honours Program should apply in writing to the Honours Adviser on completion of their second year. Normally a student will be admitted to the Honours Program only if the student has:
1. completed CSC 110, 115, 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 an overall GPA in second year of at least 6.5
4. attained a grade of B+ or higher in each 200-level CSC and SENG course completed

Students may be admitted to the Honours Program upon completion of their third year providing they have:
1. completed all of the 100-level and 200-level courses required for the Honours degree with a grade-point average of at least 6.0 in these courses
2. completed at least 9 units of 300-level courses in Computer Science (including CSC 320, 322 and 360) and have obtained a GPA of at least 6.5 over all 300-level Computer Science courses taken.

Honours students who do not obtain a grade-point average of at least 6.0 in the eight required 300-level Computer Science courses must withdraw from the program.

Graduation Standing: Honours Program

A student graduating in the Honours Program will be recommended for an Honours degree "With Distinction" if the student has achieved at least a 6.5 graduating GPA and an average of at least 6.5 in courses numbered 300 or higher taken in the Department. A student who completes the Honours Program requirements without attaining the 6.5 standing but has a departmental and graduating GPA of at least 5.0 will be recommended for an Honours degree.

Honours students are expected to complete at least 7.5 units of courses in each academic term in which they are registered.

BSc Honours: Course Requirements

Year 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110, 115, 212</td>
<td>4.5</td>
</tr>
<tr>
<td>MATH 100, 101, 122</td>
<td>4.5</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
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Year 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CSC 225 and 230</td>
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</tr>
<tr>
<td>SENG 265</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 200 and 201, or 202 and 233C</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 222 and 233A</td>
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</tr>
<tr>
<td>ENGR 240</td>
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Year 3

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>CSC 320, 330, 355, 360, 370</td>
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<tr>
<td>CSC 322 or 326</td>
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<td>CSC 340 or 349A</td>
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<td>SENG 321</td>
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<td>STAT 260</td>
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Year 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>CSC 499 (or equivalent experience plus 1.5 units of 400-level CSC)</td>
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<tr>
<td>7.5 units of CSC at the 400 level</td>
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BSc Major: Course Requirements

Year 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>CSC 110, 115, 212</td>
<td>4.5</td>
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<tr>
<td>MATH 100, 101, 122</td>
<td>4.5</td>
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<tr>
<td>ENGL 115 or 135</td>
<td>1.5</td>
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<tr>
<td>Electives</td>
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Year 2

<table>
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<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>CSC 225, 230</td>
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<tr>
<td>SENG 265</td>
<td>1.5</td>
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<tr>
<td>MATH 201 or 202</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 222, 233A</td>
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<tr>
<td>ENGR 240</td>
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Year 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>CSC 320, 330, 355, 360, 370</td>
<td>7.5</td>
</tr>
<tr>
<td>CSC 340 or 349A</td>
<td>1.5</td>
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<tr>
<td>STAT 260</td>
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<tr>
<td>Other courses</td>
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Year 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>4.5 units of CSC at the 400 level</td>
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</tr>
<tr>
<td>Other courses</td>
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</tr>
</tbody>
</table>

1. ENGL 225 can be substituted for ENGR 240.
2. STAT 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.

Major and Honours Programs: Areas of Emphasis

As an option, a student undertaking a BSc Major or BSc Honours Program in Computer Science may elect courses to emphasize a particular area of study. The selected area of emphasis is to be identified on the Record of Degree Program filed with the Computer Science Advising Centre.

For the BSc Major Program, the area of emphasis will be recorded on the student’s final transcript provided the student successfully completes at least 4.5 units (at least 3 at the 400 level) from one area selected from the list given below.

2005-06 UVIC Calendar

For the BSc Honours Program, the area of emphasis will be recorded on the student’s final transcript provided the student successfully completes at least 6 units (at least 4.5 at the 400 level) from one area selected from the list given below. Honours students are strongly encouraged to select a Technical Project from their chosen area of emphasis.

To establish a breadth of knowledge in Computer Science, students are strongly encouraged to select at least 1.5 units from each of three of the areas listed.

Areas of Emphasis

A: Algorithms

- CSC 322 Logic and Programming
- CSC 326 Algorithms and Data Structures II
- CSC 405 Computer Graphics
- CSC 421 Introduction to Artificial Intelligence
- CSC 425 Analysis of Algorithms
- CSC 426 Computational Geometry
- CSC 428 Computational Biology Algorithms
- CSC 429 Cryptography
- CSC 445 Operations Research: Linear Programming
- CSC 482 Topics in Algorithms

B: Programming Methodology

- CSC 322 Logic and Programming
- CSC 375 Introduction to Systems Analysis
- CSC 421 Introduction to Artificial Intelligence
- CSC 435 Compiler Construction
- CSC 483 Topics in Programming Methodology
- SENG 321 Requirements Engineering and Formal Specifications
- SENG 330 Object Oriented Software Development
- SENG 480 Topics in Software Engineering

C: Scientific Computing

- CSC 349B Numerical Analysis II
- CSC 445 Operations Research: Linear Programming
- CSC 446 Operations Research: Simulation
- CSC 449 Numerical Linear Algebra
- CSC 484 Topics in Scientific Computing

D: Systems

- CSC 350 Computer Architecture
- CSC 435 Compiler Construction
- CSC 450 Computer Communications and Networks
- CSC 454 Fault Tolerant Computing
- CSC 460 Design and Analysis of Real-Time Systems
- CSC 461 Multimedia Systems
- CSC 462 Distributed Computing
- CSC 464 Concurrency
- CSC 485 Topics in Systems

E: Software Engineering

To establish a breadth of knowledge, students completing this emphasis are encouraged to select courses from at least three of the following categories:
### E1: Human Factors
- SENG 310: Human Computer Interaction
- SENG 401: Social and Professional Issues
- SENG 410: Media Applications
- SENG 412: Ergonomics
- SENG 435: Computer-supported Collaborative Work

### E2: Software Management
- CSC 375: Introduction to Systems Analysis
- SENG 315: Information and Knowledge Management
- SENG 321: Requirements Engineering and Formal Specifications
- SENG 380: Applied Cost Engineering
- SENG 470: Management of Software Development
- SENG 472: Software Process

### E3: Software Design and Quality
- SENG 330: Object Oriented Software Development
- SENG 371: Software Evolution
- SENG 422: Software Architecture
- SENG 424: System Reliability
- SENG 426: Software Quality Engineering
- SENG 454: Component-based Software Engineering

### E4: Software Systems and Applications
- SENG 360: Security Engineering
- SENG 440: Software Models for Embedded Systems
- SENG 450: Network-centric Computing
- SENG 462: Distributed Systems and the Internet
- SENG 474: Data Mining

**Credit may also be received for the following:**
- SENG 480: Topics in Software Engineering
- SENG 490: Directed Studies

Students completing this emphasis may replace one third-year and two fourth-year CSC elective courses with SENG courses at the same level from this list.

### Major in Computer Science (Software Engineering Option)

#### Year 1
- CSC 110, 115, 212: 4.5
- MATH 100, 101, 122: 4.5
- ENGL 115 or 135: 1.5
- Electives: 3.0

#### Year 2
- CSC 225, 230: 3.0
- SENG 265: 1.5
- MATH 201 or 202: 1.5
- MATH 222, 233A: 1.5
- COM 240, 250, 270: 4.5
- ENGR 240: 1.5

#### Year 3
- CSC 320, 330, 355, 360: 4.5
- One of CSC 375, SENG 321, 330, 371: 1.5
- SENG 365: 1.5
- SENG 340 or 349A: 1.5
- STAT 252 or 255 or 260: 1.5
- ELEC 242: 3.0
- COM 341: 3.0

#### 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: 3.0
- Other courses: 9.0
  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.
  3. COM 341 requires Statistics as a prerequisite.
  4. All 400 level Business courses require COM 220, 240, 250, 270, 341 as prerequisite.
  5. These 9 units of other courses 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 (Business Option)

#### Year 1
- CSC 110, 115, 212: 4.5
- ENGL 115 or 135: 1.5
- ENGR 240: 1.5
- MATH 100, 101, 122: 4.5
- MATH 133 or 233A: 1.5
- ELEC 216 or PHYS 216: 1.5
- ELEC 250, 260: 3.0
- STAT 260: 1.5

#### 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 260: 1.5

#### Year 3
- CSC 320, 330, 355, 360: 6.0
- CSC 340 or 349A: 1.5
- SENG 321: 1.5
- SENG 460: 1.5
- MECH 486: 1.5
- Electives: 3.0
  1. ENGL 225 can be substituted for ENGR 240.
  2. ENGR 466 Project must be taken in the final spring term before graduation.

### Major in Computer Science (Bioinformatics Option)

#### Year 1
- BIOL 190A: 1.5
- CHEM 101 or 150: 1.5
- CSC 110, 115, 212: 4.5
- ENGL 115 or 135: 1.5
- MATH 100, 101, 122: 4.5
- Elective: 1.5

#### Year 2
- BIOL 200: 1.5
- CHEM 231: 1.5
- CSC 225: 1.5
- MATH 200, 222, 233A: 1.5
- SENG 265: 1.5
- STAT 260, 261: 3.0

#### Year 3
- BIOL 362: 1.5
- CSC 230, 320, 370: 4.5
- CSC 340 or 349A: 1.5
- ENGR 240: 1.5
- MATH 201, 352, 452: 4.5

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Enrollment 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 Co-op Advising Office.
the 400 level.

3. These other courses must include 3 units of CSC 225, 230, 320, 340, 370, and 6.0.

2. STA T 260, 261 ........................................................3.0

Other Courses3 ...................................................15.0

1. ENGL 225 can be substituted for ENGR 240.
2. STA T 260 may be taken in the second term of the first year.
3. These 16.5 units of other courses must include at least 9 units from the Departments of Computer Science and/or Mathematics and Statistics at the 300 level or above, at least 6 of these 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 10.5 units of other courses must include 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 110, 115, 212 ..................................................4.5
MATH 100, 101, 122 ..................................................4.5
ENGL 115 or 135.......................................................1.5
Electives........................................................................4.5

Year 2
CSC 225, 230, SENG 265 .......................................4.5
MATH 200 (or 205), 201, 222, 233A, 233C.............7.5
STAT 2602.................................................................1.5
ENGR 2401.................................................................1.5

Year 3
CSC 320, 326, 349A, 349B .....................................6.0
MATH 330A, 330B, 333A .........................................4.5
One of MATH 322, 333C ...........................................1.5
STAT 261 .................................................................1.5
Other Courses3 ...................................................15.0
1. ENGL 225 can be substituted for ENGR 240.
2. STA T 260 may be taken in the second term of the first year.
3. These 16.5 units of other courses must include at least 9 units from the Departments of Computer Science and/or Mathematics and Statistics at the 300 level or above, 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 10.5 units of other courses must include 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 Mathematics

Year 1
CSC 110, 115, 212 ..................................................4.5
MATH 100, 101, 122 ..................................................4.5
ENGL 115 or 135.......................................................1.5
Electives........................................................................4.5

Year 2
CSC 225, 230, SENG 265 .......................................4.5

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 333A and 334 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. A student graduating in the Combined Honours Program will be recommended for an Honours degree “With Distinction” if the student achieves a graduating GPA of 6.5 or greater. A student who does not obtain a GPA of 6.5 will be recommended for an Honours degree if the student achieves a graduating GPA of at least 5.0.

BSc Honours: Combined Program in Computer Science and Mathematics

Year 1
CSC 110, 115, 212 ..................................................4.5
MATH 100, 101, 122 ..................................................4.5
ENGL 115 or 135.......................................................1.5
Electives........................................................................4.5

Year 2
CSC 225, 230, SENG 265 .......................................4.5
MATH 200 (or 205), 201, 222, 233A, 233C.............7.5
STAT 2602.................................................................1.5
ENGR 2401.................................................................1.5

Year 3
CSC 320, 326, 349A, 349B .....................................6.0
MATH 330A, 330B, 333A .........................................4.5
One of MATH 322, 333C ...........................................1.5
STAT 261 .................................................................1.5
Other Courses3 ...................................................15.0
1. ENGL 225 can be substituted for ENGR 240.
2. STA T 260 may be taken in the second term of the first year.
3. These 16.5 units of other courses must include at least 9 units from the Departments of Computer Science and/or Mathematics and Statistics at the 300 level or above, at least 6 of these 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 10.5 units of other courses must include 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.
First- and Second-year Courses: Sequence B

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>PHYS 112</td>
</tr>
<tr>
<td>Year 1</td>
<td>MATH 100, 101, 122</td>
</tr>
<tr>
<td>Year 1</td>
<td>CSC 110, 115, 212</td>
</tr>
<tr>
<td>Year 1</td>
<td>ENGL 115 or 135</td>
</tr>
<tr>
<td>Year 1</td>
<td>Elective</td>
</tr>
<tr>
<td>Year 1</td>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>

| Year 2 | PHYS 214, 215, 216, 220 | 6.0 |
| Year 2 | MATH 200, 201, 233A | 4.5 |
| Year 2 | CSC 225, 230, 242 | 4.5 |
| Year 2 | SENG 265 | 1.5 |
| Year 2 | ENGR 240 | 1.5 |
| Year 2 | **Total** | **15.0** |

Third and Fourth Years: Honours Program

| Year 3 | PHYS 325, 326 | 3.0 |
| Year 3 | MATH 330A, 330B, 323 (or 325), 366 | 6.0 |
| Year 3 | CSC 320, 349A, 349B, 355, 360 | 7.5 |
| Year 3 | **Total** | **18.0** |

| Year 4 | PHYS 317, 323, 321A, 321B, 422 | 7.5 |
| Year 4 | PHYS electives | 4.5 |
| Year 4 | CSC 499 or PHYS 429B | 1.5 |
| Year 4 | CSC electives | 4.5 |
| Year 4 | **Total** | **18.0** |

Combined Major Program in Health Information Science and Computer Science

Enrollment 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.

| Year 1 | HINF 140, 172 | 3.0 |
| Year 1 | MATH 100, 101, 122 | 4.5 |
| Year 1 | **Total** | **15.0** |

| Year 2 | HINF 200, 201, 280 | 4.5 |
| Year 2 | 1 HINF course at the 200 level | 1.5 |
| Year 2 | MATH 222 | 1.5 |
| Year 2 | STAT 255 or 260 | 1.5 |
| Year 2 | CSC 225, 230 | 3.0 |
| Year 2 | SENG 265 | 1.5 |
| Year 2 | ENGR 240 | 1.5 |
| Year 2 | **Total** | **15.0** |

| Year 3 | 3 HINF courses at the 300 level | 4.5 |
| Year 3 | CSC 375 | 1.5 |
| Year 3 | 2 of CSC 320, 322, 330, 355, 360, SENG 321 | 5.0 |
| Year 3 | Electives | 6.0 |
| Year 3 | **Total** | **15.0** |

| Year 4 | 2 HINF courses at the 400 level | 3.0 |
| Year 4 | 3 CSC courses at the 400-level | 4.5 |
| Year 4 | Other courses | 7.5 |
| Year 4 | **Total** | **15.0** |

1. Students without grade 12 Biology must replace this elective by one of PE 141, BIOL 102, BIOL 150A or BIOL 190A.
2. One of these courses may be SENG at the 400 level.
3. These 7.5 units of concentration courses must include at least 3 units chosen from Health Information Science, Computer Science or SENG at the 300 level or higher.

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. Enrollment in this program is limited. Students are admitted to the program at the end of first year.

| Year 1 | ART 100, 101, 150 | 4.5 |
| Year 1 | MATH 100, 101, 122 | 4.5 |
| Year 1 | CSC 110, 115, 212 | 4.5 |
| Year 1 | Elective | 1.5 |
| Year 1 | **Total** | **15.0** |

| Year 2 | ART 170, 270 | 3.0 |
| Year 2 | 2 of ART 110, 120, 140, 160 | 3.0 |
| Year 2 | 2 of ART 200, 210, 220, 240, 260 | 3.0 |
| Year 2 | MATH 233A | 1.5 |
| Year 2 | CSC 225, 230 | 3.0 |
| Year 2 | SENG 265 | 1.5 |
| Year 2 | **Total** | **15.0** |

| Year 3 | 1 of ART 370, 371, 372, 373 | 3.0 |
| Year 3 | 1 or 2 of ART 300, 301, 302, 305, 311, 312, 313, 321, 322, 323, 341, 342, 343, 351, 360, 380 | 3.0 or 6.0 |
Students must take 9 units of these courses over Years 3 and 4. One of these courses may be SENG at the 400 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 BA Major Degree. Students intending to pursue this combined program must consult the Undergraduate Adviser in either Psychology or Computer Science after completing all of the first-year requirements.

**Year 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>BIOL 190A or 215, 190B</td>
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</tr>
<tr>
<td>CSC 110, 115</td>
<td>3.0</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td>3.0</td>
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<td>MATH 151, 152</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 100A, 100B</td>
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<tr>
<td>Elective</td>
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**Year 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CSC 212, 225, 230</td>
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</tr>
<tr>
<td>ENGR 240</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 102, 222</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 201, 210, 215A</td>
<td>4.5</td>
</tr>
<tr>
<td>SENG 265</td>
<td>1.5</td>
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</table>

**Year 3**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>1 of CSC 322, 326, 360, 370</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 202, 300A, 300B</td>
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<tr>
<td>PSYC 300 level</td>
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<td>Electives</td>
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**Year 4**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CSC 421 or CENG 420</td>
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</tr>
<tr>
<td>CSC 400 level</td>
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</tr>
<tr>
<td>PSYC 300/400 level</td>
<td>6.0</td>
</tr>
<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
</tbody>
</table>

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, 210, 215A with a grade of at least C in each and a combined GPA of at least 3.0 in the 4.5 units
   - PSYC 202, 300A, 300B with a grade of at least C in each
3. These 9 units of 300/400 level PSYC above 300A and B must include i. 1.5 units from each of the following groups:
   - Learning/Cognition/Perception:
   - Biological/Neuropsychology:
     PSYC 315, 323, 324, 345A, 415A, 415B
   - Social/Environmental:
   ii. At least one 400-level PSYC course other than PSYC 400A, 401, 490, or 499
4. One of these CSC 400 level courses may be replaced by a SENG 400 level course.

**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 BA Major Degree. The Geomatics program is aimed at students whose interests span the fields of cartography, 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110, 115, 212</td>
<td>4.5</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 101A, 101B</td>
<td>3.0</td>
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<tr>
<td>MATH 100 and 101, or MATH 102 and 151</td>
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<tr>
<td>MATH 122</td>
<td>1.5</td>
</tr>
<tr>
<td>Elective</td>
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**Year 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 225, 227, 230</td>
<td>4.5</td>
</tr>
<tr>
<td>ENGR 240</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 222, 226, 228</td>
<td>4.5</td>
</tr>
<tr>
<td>SENG 265</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
</tr>
</tbody>
</table>

**Year 3**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 360, 370</td>
<td>3.0</td>
</tr>
<tr>
<td>GEOG 319 or 322</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 328 or 329</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 323, 325</td>
<td>3.0</td>
</tr>
<tr>
<td>SENG 310</td>
<td>1.5</td>
</tr>
<tr>
<td>1.5 units of CSC at the 300 level</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Year 4**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 422, 428</td>
<td>3.0</td>
</tr>
<tr>
<td>GEOG 425</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 425</td>
<td>3.0</td>
</tr>
<tr>
<td>GEOG 302, 303, 310</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
</tr>
</tbody>
</table>

1. Students who are not exempt from the University English requirement (see page 28) should choose 1.5 units of first-year English.
2. ELEC 407 and 484 are only offered in the summer term.
3. CSC 450 requires CSC 355 and 360 as prerequisites. CSC 460 requires CSC 355 and 360 and either SENG 321 or 365 as prerequisites. ELEC 459 requires ELEC 407 as prerequisite.
4. One of these courses may be SENG at the 400 level.
5. Or acceptable replacement.
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 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 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) .........................4.5

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.

Computer Science Co-operative Education Programs

Please refer to the general description of Co-operative Education at UVic on page 43.

General Regulations

The normal requirements for admission of students to a Computer Science/Mathematics Co-op Program are the completion of CSC 110 and 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 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 in all Computer Science Co-op Programs except Health Information Science/Computer Science, and is governed by the regulations on page 44.

Computer Science, Computer Science (Software Engineering Option), Computer Science (Bioinformatics 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 Co-op office to arrange for their spring term registration in COM 220.

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 Co-op Office regarding admission during their first term on campus or upon deciding to enter the program.

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. They must successfully complete three work terms with at most two in one department in order to graduate in this program. The granting of work term credit by challenge is not permitted in this program.

Physics/Computer Science, Psychology/ Computer Science, Visual Arts/Computer Science, Geography/Computer Science and Music/Computer Science

Students in one of these Combined Programs who wish to participate in Co-op must be admitted by the Co-op program of each department or school involved. They must successfully complete two work terms in each Co-op program in order to complete their Co-op degree requirements.
The Department of Electrical and Computer Engineering offers programs leading to the BEng degree in Engineering, the BEng degree in Computer Engineering, and jointly with the Department of Computer Science, the BSENG degree (Bachelor of Software Engineering). Both BEng programs are accredited by the Canadian Engineering Accreditation Board (CEAB) of the Canadian Council of Professional Engineers, while the BSENG program is designed to be accredited and will be considered for accreditation by CEAB in 2007, when the first class graduates. 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 three specializations: electronics, communications and digital signal processing. The BEng in Computer Engineering program has two specializations: systems engineering and software engineering.

**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) or BEng in Computer Engineering (Computer Music Option), page 92-93.

**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 77.

**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 on page 77. The requirements and schedule of courses for the MES option for Electrical Engineering students are given on page 93.

**Physics Option**

For details of the Physics Option, see BEng in Electrical Engineering (Physics Option) on page 92.

**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 enroll in graduate-level courses during their fourth year. These courses will be in addi-
**FACULTY OF ENGINEERING**

Enrollment to any undergraduate requirements and thus can be transferred to the MSc 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, MSc and PhD degrees, see the UVic Graduate Calendar.

**PROGRAM REQUIREMENTS**

**BEng Program In Electrical Engineering**

The BEng program in Electrical Engineering requires completion of the BEng Core (see page 76), 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 241</td>
<td>Digital Design: I</td>
</tr>
<tr>
<td>CENG 355</td>
<td>Microprocessor-Based Systems</td>
</tr>
<tr>
<td>CSC 230</td>
<td>Computer Architecture and Assembly Language</td>
</tr>
<tr>
<td>ELEC 200</td>
<td>Engineering Graphics</td>
</tr>
<tr>
<td>ELEC 220</td>
<td>Electrical Properties of Materials</td>
</tr>
<tr>
<td>ELEC 260</td>
<td>Signal Analysis</td>
</tr>
<tr>
<td>ELEC 300</td>
<td>Linear Circuits: II</td>
</tr>
<tr>
<td>ELEC 310</td>
<td>Digital Signal Processing: I</td>
</tr>
<tr>
<td>ELEC 320</td>
<td>Electronic Devices: I</td>
</tr>
<tr>
<td>ELEC 330</td>
<td>Electronic Circuits: I</td>
</tr>
<tr>
<td>ELEC 340</td>
<td>Electromagnetic Field Theory</td>
</tr>
<tr>
<td>ELEC 350</td>
<td>Communications Theory and Systems: I</td>
</tr>
<tr>
<td>ELEC 360</td>
<td>Control Theory and Systems: I</td>
</tr>
<tr>
<td>ELEC 370</td>
<td>Electromechanical Energy Conversion</td>
</tr>
<tr>
<td>ELEC 380</td>
<td>Electronic Circuits: II</td>
</tr>
<tr>
<td>ELEC 395</td>
<td>Seminar</td>
</tr>
<tr>
<td>ELEC 499A</td>
<td>or 499B Design Project</td>
</tr>
<tr>
<td>MECH 141</td>
<td>Engineering Fundamentals: I</td>
</tr>
<tr>
<td>MECH 295</td>
<td>Engineering Fundamentals: II</td>
</tr>
</tbody>
</table>

**Electrical Engineering Specializations**

**Electronics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 410</td>
<td>Power Electronics</td>
</tr>
<tr>
<td>ELEC 412</td>
<td>Electronic Devices: II</td>
</tr>
<tr>
<td>CENG 441</td>
<td>Design of Digital and VLSI Systems</td>
</tr>
</tbody>
</table>

**Communications**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 404</td>
<td>Microwaves and Fiber Optics</td>
</tr>
<tr>
<td>ELEC 450</td>
<td>Communications Theory and Systems: II</td>
</tr>
<tr>
<td>ELEC 456</td>
<td>Mobile Communications</td>
</tr>
</tbody>
</table>

**Digital Signal Processing**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 403</td>
<td>Engineering Design by Optimization</td>
</tr>
<tr>
<td>ELEC 407</td>
<td>Digital Signal Processing: II</td>
</tr>
<tr>
<td>ELEC 459</td>
<td>Digital Signal Processing: III</td>
</tr>
</tbody>
</table>

**Electromagnetics and Photonics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 404</td>
<td>Microwaves and Fiber Optics</td>
</tr>
<tr>
<td>ELEC 452</td>
<td>Fiber Optic Technology</td>
</tr>
<tr>
<td>ELEC 453</td>
<td>Antennas and Propagation</td>
</tr>
</tbody>
</table>

**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
- MUS 407 Computer Music Seminar
- ELEC 484 Audio Signal Processing

**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 the following additional courses:

- ELEC 466 System-on-Chip Engineering for Signal Processing
- MECH 466 Microelectromechanical Systems
- SENG 466 Software for Embedded and Mechatronics Systems
- ENGR 466 Integrated Mechatronics and Embedded Systems Project

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 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
- PHYS 314 Nuclear Physics and Radioactivity

or

- PHYS 321 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.

**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
- MUS 407 Computer Music Seminar

**BEng Program In Computer Engineering**

The BEng program in Computer Engineering requires completion of the BEng Core (see page 76), the Computer Engineering Core, one of two Specializations and the required number of elective courses associated with that Specialization.

**Computer Engineering Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 241</td>
<td>Digital Design: I</td>
</tr>
<tr>
<td>CENG 245</td>
<td>Discrete Structures</td>
</tr>
<tr>
<td>CENG 355</td>
<td>Microprocessor-Based Systems</td>
</tr>
<tr>
<td>CENG 455</td>
<td>Real Time Computer Systems</td>
</tr>
<tr>
<td>CENG 460</td>
<td>Computer Communication Networks</td>
</tr>
</tbody>
</table>

**Computer Engineering Specializations**

**Systems Engineering**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 441</td>
<td>Design of Digital and VLSI Systems</td>
</tr>
<tr>
<td>CENG 450</td>
<td>Computer Systems and Architecture</td>
</tr>
<tr>
<td>ELEC 350</td>
<td>Communications Theory and Systems: I</td>
</tr>
<tr>
<td>ELEC 360</td>
<td>Control Theory and Systems: I</td>
</tr>
<tr>
<td>ELEC 380</td>
<td>Electronic Circuits: II</td>
</tr>
</tbody>
</table>

**Software Engineering**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 350</td>
<td>Communications Theory and Systems: I</td>
</tr>
</tbody>
</table>

or

- ELEC 360 Control Theory and Systems: I
- 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 (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
- MUS 407 Computer Music Seminar
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 with the approval of the Department. 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 ELECTRICAL ENGINEERING

Terms 1A, 1B and 2A

For students who began the program in September 2000 or before:

Term 1A Term 1B Term 2A
CSC 110 CHEM 150 CSC 230
ENGL 115 CSC 160 ELEC 216
MA TH 100 ENGR 150 ELEC 220
MATH 133 MATH 101 ENGR 240
PHYS 122 PHYS 125 MATH 200
MECH 141 ENGL 115 MATH 245

Terms 1A, 1B and 2A

For students who began the program in September 2001 or after:

Term 1A Term 1B Term 2A
CSC 110 CHEM 150 CSC 230
MA TH 100 ELEC 199 ELEC 220
MATH 133 MECH 141 ENGR 240
PHYS 122 MATH 101 MATH 200

Terms 2B to 4B

For students who began the program in September 2002 or after:

Term 2B Term 3A Term 3B
CENG 241 CSC 349A CENG 355
ELEC 250 ELEC 300 ELEC 350
ELEC 260 ELEC 310 ELEC 360
MATH 201 ELEC 320 ELEC 370
MECH 295 ELEC 330 ELEC 380
STAT 254 ELEC 340 ENGR 280

Term 4A
ELEC 395 ENGR 297

2 Specialization Courses
2 Electives from List A

Term 4B
ENGR 498
1 Specialization Course
3 Electives from List B
1 Complementary Studies Elective
1 ENGR 446 Technical Report

Specializations:

Electronics

Term 4A Term 4B
CENG 441 ELEC 412
ELEC 410

Communications

Term 4A Term 4B
ELEC 404 ELEC 456
ELEC 450

Digital Signal Processing

Term 4A Term 4B
ELEC 403 ELEC 459
ELEC 407
## Academic Schedule: BEng in Electrical Engineering (Computer Music Option)

**Terms 1A, 1B and 2A**

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110</td>
<td>CHEM 150</td>
<td>CSC 230</td>
</tr>
<tr>
<td>MATH 100</td>
<td>CSC 160</td>
<td>ELEC 200</td>
</tr>
<tr>
<td>MATH 133</td>
<td>ELEC 199</td>
<td>ELEC 216</td>
</tr>
<tr>
<td>MECH 141</td>
<td>ENGL 115</td>
<td>ELEC 220</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>MATH 101</td>
<td>MUS 306</td>
</tr>
<tr>
<td>PHYS 125</td>
<td>MATH 200</td>
<td></td>
</tr>
</tbody>
</table>

**Term 2B to 4B**

<table>
<thead>
<tr>
<th>Term 2B</th>
<th>Term 3A</th>
<th>Term 3B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 241</td>
<td>ELEC 300</td>
<td>ELEC 350</td>
</tr>
<tr>
<td>ELEC 250</td>
<td>ELEC 310</td>
<td>ELEC 370</td>
</tr>
<tr>
<td>ELEC 260</td>
<td>ELEC 320</td>
<td>ELEC 380</td>
</tr>
<tr>
<td>MECH 201</td>
<td>ELEC 330</td>
<td>ENGR 240</td>
</tr>
<tr>
<td>MECH 295</td>
<td>ELEC 340</td>
<td>ENGR 280</td>
</tr>
<tr>
<td>STAT 254</td>
<td>MUS 307</td>
<td></td>
</tr>
</tbody>
</table>

**Term 4A**

- ELEC 395
- ENGR 297
- SENG 271
- 2 Specialization courses
- 1 Elective from List A

**Term 4B**

- ENGR 466 (4.5)
- MECH 466
- SENG 466
- 1 Specialization Course or ELEC 466
- ENGR 446: Technical Report (to be registered in term preceding the last academic term)

### Note:
Subject to funding and availability, students may enter this Option by taking MUS 306 in Term 2B. Note: Subject to funding and availability, students may enter this Option by taking MUS 306 in Term 3A and MUS 307 in Term 3B.

## Academic Schedule: BEng in Electrical Engineering (Physics Option)

**Terms 1A, 1B and 2A**

- For students who began the program in September 2002 or before:
  
<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110</td>
<td>CHEM 150</td>
<td>CSC 230</td>
</tr>
<tr>
<td>ENGL 115</td>
<td>CSC 160</td>
<td>ELEC 216</td>
</tr>
<tr>
<td>MATH 100</td>
<td>ENGR 199</td>
<td>ELEC 220</td>
</tr>
<tr>
<td>MATH 133</td>
<td>MATH 101</td>
<td>ENGR 240</td>
</tr>
<tr>
<td>MECH 141</td>
<td>ENGL 115</td>
<td>ELEC 220</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>PHYS 125</td>
<td>MATH 200</td>
</tr>
</tbody>
</table>

**Term 4A**

- ELEC 395
- SENG 271
- 2 Specialization Courses
- 1 Elective from List A

**Term 4B**

- ENGR 466 (4.5)
- MECH 466
- SENG 466
- 1 Specialization Course or ELEC 466
- ENGR 446: Technical Report (to be registered in term preceding the last academic term)

### Note:
Subject to funding and availability, students may enter this Option by taking MUS 306 in Term 2B. Note: Subject to funding and availability, students may enter this Option by taking MUS 306 in Term 3A and MUS 307 in Term 3B.

## Electronic Engineering Specialization

**Term 2B to 4B**

- For all students starting Term 2B in or after May 2003. (Students starting Term 2B prior to May 2003 may elect to follow the program outlined in the 2002-2003 Calendar.)

<table>
<thead>
<tr>
<th>Term 2B</th>
<th>Term 3A</th>
<th>Term 3B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 290</td>
<td>ELEC 300</td>
<td>ELEC 360</td>
</tr>
<tr>
<td>ELEC 250</td>
<td>ELEC 310</td>
<td>ELEC 370</td>
</tr>
<tr>
<td>ELEC 260</td>
<td>ELEC 320</td>
<td>ELEC 380</td>
</tr>
<tr>
<td>MATH 201</td>
<td>ELEC 330</td>
<td>ENGR 280</td>
</tr>
<tr>
<td>MECH 295</td>
<td>ELEC 340</td>
<td>PHYS 313</td>
</tr>
</tbody>
</table>

**Term 4A**

- ELEC 395
- ENGR 297
- MATH 326
- PHYS 325
- 2 Specialization Courses

**Term 4B**

- CENG 355
- CSC 349A
- 1 Specialization Elective
- 2 Electives from List P

### Note:
Subject to funding and availability, students may enter this Option by taking MUS 306 in Term 2B. Note: Subject to funding and availability, students may enter this Option by taking MUS 306 in Term 3A and MUS 307 in Term 3B.

## Academic Schedule: BEng in Computer Engineering

**Terms 1A, 1B and 2A**

- For students who began the program in September 2000 or before:

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110</td>
<td>CHEM 150</td>
<td>CSC 230</td>
</tr>
<tr>
<td>ENGL 115</td>
<td>CSC 160</td>
<td>ELEC 216</td>
</tr>
<tr>
<td>MATH 100</td>
<td>ENGR 199</td>
<td>ELEC 220</td>
</tr>
<tr>
<td>MATH 133</td>
<td>MATH 101</td>
<td>ENGR 240</td>
</tr>
<tr>
<td>MECH 141</td>
<td>ENGL 115</td>
<td>ELEC 220</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>PHYS 125</td>
<td>MATH 200</td>
</tr>
</tbody>
</table>

**Term 4A**

- ENGR 446: Technical Report

**Term 4B**

- For students beginning the program in September 2001 or after:

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110</td>
<td>CHEM 150</td>
<td>CSC 230</td>
</tr>
<tr>
<td>ENGL 115</td>
<td>CSC 160</td>
<td>ELEC 216</td>
</tr>
<tr>
<td>MATH 100</td>
<td>ENGR 199</td>
<td>ELEC 220</td>
</tr>
<tr>
<td>MATH 133</td>
<td>MATH 101</td>
<td>ENGR 240</td>
</tr>
<tr>
<td>MECH 141</td>
<td>ENGL 115</td>
<td>ELEC 220</td>
</tr>
</tbody>
</table>

**Term 2B to 4B**

- These are the same for all students starting on or after September 1995, as follows:

<table>
<thead>
<tr>
<th>Term 2B</th>
<th>Term 3A</th>
<th>Term 3B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 241</td>
<td>CSC 225</td>
<td>CENG 355</td>
</tr>
<tr>
<td>CENG 245</td>
<td>CSC 349A</td>
<td>CENG 460</td>
</tr>
<tr>
<td>ELEC 250</td>
<td>ELEC 300</td>
<td>CENG 360</td>
</tr>
<tr>
<td>ELEC 260</td>
<td>ELEC 310</td>
<td>ENGR 280</td>
</tr>
<tr>
<td>MATH 201</td>
<td>ELEC 320</td>
<td>2 Specialization Courses</td>
</tr>
<tr>
<td>STAT 254</td>
<td>ELEC 330</td>
<td></td>
</tr>
</tbody>
</table>

- For students in the Software Engineering Specialization starting Term 2A or 3B in September 2005 or after:

<table>
<thead>
<tr>
<th>Term 2B</th>
<th>Term 3A</th>
<th>Term 3B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 241</td>
<td>CSC 225</td>
<td>CENG 355</td>
</tr>
<tr>
<td>CENG 245</td>
<td>CSC 349A</td>
<td>CENG 460</td>
</tr>
<tr>
<td>ELEC 250</td>
<td>ELEC 300</td>
<td>CENG 360</td>
</tr>
<tr>
<td>ELEC 260</td>
<td>ELEC 310</td>
<td>ENGR 280</td>
</tr>
<tr>
<td>MATH 201</td>
<td>ELEC 320</td>
<td>2 Specialization Courses</td>
</tr>
<tr>
<td>STAT 254</td>
<td>ELEC 330</td>
<td></td>
</tr>
</tbody>
</table>

- For students in the Systems Engineering Specialization starting Term 2A or 3B in September 2005 or after:

<table>
<thead>
<tr>
<th>Term 2B</th>
<th>Term 3A</th>
<th>Term 3B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CENG 241</td>
<td>CSC 225</td>
<td>CENG 355</td>
</tr>
<tr>
<td>CENG 245</td>
<td>CSC 349A</td>
<td>CENG 460</td>
</tr>
<tr>
<td>ELEC 250</td>
<td>ELEC 300</td>
<td>CENG 360</td>
</tr>
<tr>
<td>ELEC 260</td>
<td>ELEC 310</td>
<td>ENGR 280</td>
</tr>
<tr>
<td>MATH 201</td>
<td>ELEC 320</td>
<td>2 Specialization Courses</td>
</tr>
<tr>
<td>STAT 254</td>
<td>SENG 321</td>
<td></td>
</tr>
</tbody>
</table>

**Term 4A**

- ENGR 498
- 1 Specialization Course
- 2 Electives from List B

**Term 4B**

- ELEC 499B
- ENGR 498
- 1 Specialization Course
- 2 Electives from List B

### FACULTY OF ENGINEERING

Electromagnetics and Photonics

**Terms 4A**

- ELEC 404
- ELEC 452
- ELEC 453

In order to obtain their degree, students who do not select one of the Specializations must complete any 3 of the 11 compulsory Specialization courses listed above within the established course offering timetable.
For Software Engineering:
For students entering term 4B in or before January 2002:
1 Specialization Course
2 Electives from List B
For students entering term 4B in or after January 2003:
2 Specialization Courses
1 Elective from List B
ENGR 446 Technical Report

Specializations:

Systems Engineering
For students who started Term 3B in or before September 2004:
Term 3B  Term 4A  Term 4B
ELEC 350  CENG 440  CENG 450
ELEC 360  SENG 365
ELEC 380
For students who started Term 3B in or after September 2005:
Term 3B  Term 4A  Term 4B
ELEC 350  CENG 441  CENG 450
ELEC 360  SENG 321
Software Engineering
For students who started Term 3B in or before September 2004:
Term 3B  Term 4A  Term 4B
CSC 370  SENG 412  SENG 462
ELEC 350  SENG 422
or 360  SENG 365
For students who started Term 3B in or after September 2005:
Term 3B  Term 4A  Term 4B
ELEC 350  SENG 422  SENG 462 or 360  SENG 422  SENG 462
or 360  SENG 365
SENG 330
SENG 365
For students who started Term 3B in or after September 2005:
Term 3B  Term 4A  Term 4B
ELEC 350  SENG 422  SENG 462
or 360  SENG 422  SENG 462
or 360  SENG 365
SENG 330

AcaDemic Schedule: BEng in Computer Engineering (Computer Music Option)
Terms 1A, 1B and 2A
Term 1A  Term 1B
CSC 110  CHEM 150
MATH 100  CSC 160
MATH 133  ELEC 199

MECH 141  ENGL 115
PHYS 122  MATH 101
PHYS 125

Term 2A  to 4B
Students must complete the requirements for a BEng degree in Computer Engineering and in addition must complete MUS 306, 307, 407 and ELEC 484. Students should submit a Program Modification form outlining their proposed course plan to the Department for approval prior to registering in any MUS course.

AcaDemic Schedule: BEng in Computer Engineering (Mechatronics and Embedded Systems Option)
Terms 1A to 2B
Term 1A  Term 1B
CSC 110  CHEM 150
MATH 100  CSC 160
MATH 133  ELEC 199
MECH 141  ENGL 115
PHYS 122  MATH 101
PHYS 125

Term 2A  Term 2B
CSC 230  CENG 241
ELEC 200  CENG 245
ELEC 216  ELEC 250
ELEC 220  ELEC 260
ENGR 240  MATH 201
MATH 200  STAT 254

Terms 3A to 4B: Systems Engineering Specialization
Term 3A  Term 3B  Term 3B4A
CSC 225  CENG 355  CENG 450
CSC 349A  CENG 460  CENG 455
ELEC 300  CENG 360  ENGR 498
ENGR 446  CENG 370
ELEC 466  ENGR 466: Technical Report

Terms 4A  Term 4B
ELEC 395  ELEC 466
ENGR 297  ENGR 446 (4.5)
SENG 422  MECH 466
SENG 466

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 74 of the main Faculty entry.
3. At least one of ELEC 499A or 499B must be included in this set of 4th year electives. Both may be included.
4. Or acceptable replacement.
5. Term 3B4A replaces the Work/Other term following term 3B in the table on page 74.
6. To be registered in term preceding the last academic term.
7. Students would normally take ENGR 020 (Introduction to Professional Practice) in Term 2A, or in Term 3A if they are Bridge students.
8. MUS 407 is a two-term course taken in the fall and spring.
10. Both ELEC 466 and the required course for the Specialization must be completed to obtain the degree.
Department of Mechanical Engineering

V. Ismet Uğural, BSc (Bogazici), MEng, PhD (TUNS), PEng, Professor and Chair

Colin H. Bradley, BASc (Brit Col), MS (Heriot-Watt), PhD (U of Vic), Professor and Canada Research Chair in Design and Computational Modeling

Nedjib Djilali, BASc (Hatfield Polytech), MSc (Lond), PhD (Brit Col), PEng, Professor

Sadik Dost, DipEng (Karadeniz Tech U), PhD (Istanbul Tech U), PEng, Professor and Canada Research Chair in Semiconductor Crystal Growth

Zuomin Dong, BASc (Beijing Polytech), MSc, PhD (NT State), Professor

Ron P. Podhorodeski, BASc (Man), PhD (Tor), PEng, Professor

James W. Provan, BASc (Strath), MSc, PhD (Colo), PEng, Professor

David S. Scott, BASc, MSc (Queen's), PhD (Northw), PEng, Professor Emeritus

Yury Stepanenko, DipEng (Moscow Inst of Machine Tool Eng), Candidate of Science (Moscow Eng Res Inst), DSc (Acadence of Science, USSR), Professor Emeritus

Geoffrey W. Vickers, DipEng (Birm), MSc, PhD (Manc), PEng, CEng, Professor

James B. Haddow, BASc (St And), MSc (Alta), PhD (Manc), Professor (2004-2006)

Hubert W. King, SSC, PhD (Birm), DIC (Imp Coll U of Lond), Professor (2004-2007)

Rodney A. Herring, BASc, MASc (Windsor), PhD (Birm), Associate Professor (2002-2006)

Henning Struchtrup, Dip Mech Eng, PhD Ing (Tech Univ Berlin), Associate Professor

Aftab Mufti, BEng (Karachi), MEng, PhD (McGill), Assistant Professor (2004-2007)

Gerard F. McLean, BASc, MASc, PhD (Wat), PEng, Professor (2004-2007)

Afaf Mutfi, BEng (Karachi), MEng, PhD (McGill) (2003-2005)

Meyer Nahon, BASc (Queens), MSc (Tor), PhD (McGill), PEng (2001-2005)

Eric H. Richardson, BA, MA (Brit Col), PhD (Tor) (2003-2006)

Technical Personnel

Kenneth J. Begley, MSc, BEng, PhD (Wat), PEng (2002-2005)

Patrick A. Chang, Dip Electronics Eng'g; Dip Computing Tech, Electronics Technician

Barry W. Kent, BBA (Mem) Dip Information Technology Program, Programmer Analyst

Rodney M. Katz, Cert Eng Technician, Senior Scientific Assistant

Minh Hi Ly, BEng (Ho Chi Minh Polytech), Senior Programmer Analyst

Arthur Makosinski, BASc, MSc, PhD (Wat), PEng, Professor Emeritus

Arthur Makosinski, BA (Newark St Coll), Manager of Laboratories

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 76), Mechanical Engineering Core, and six Technical Electives. 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. Further details, see BEng and BSENG Management Option, page 77.

Mechatronics and Embedded Systems Option

The Faculty of Engineering offers a Mechatronics and Embedded Systems (MES) Option. For further details, see BEng and BSENG Management Option, page 77.

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

Control, Robotics and Mechatronics

MECH 421 Mechanical Vibrations

MECH 430 Robotics

MECH 466 Microelectromechanical Systems

MECH 485 Mechanism and Manipulator Synthesis

MECH 486 Sensors and Actuators for Mechatronic Systems

Design and Computer Aided Engineering

MECH 405 Introduction to Microprocessors

MECH 410 Computer Aided Design

MECH 420 Finite Element Applications

MECH 425 Engineering Optimization and Applications

Energy and Thermodynamics

MECH 443 Advanced Thermodynamics

MECH 445 Cryogenic Engineering

MECH 447 Energy Systems

MECH 449 Fuel Cell Technology

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

Fluids and Aerodynamics

MECH 440 Introduction to Water Wave Phenomena

MECH 475 Mechanics of Flight

MECH 492 Introduction to Transport Phenomena

MECH 493 Design of Thermo-Fluid Systems

MECH 495 Computational Fluid Dynamics and Heat Transfer

Program Requirements

Mechanical Engineering Core

ELEC 365 Applied Electronics and Electrical Machines

MECH 141 Engineering Fundamentals: I

MECH 200 Engineering Drawing

MECH 220 Mechanics of Solids: I

MECH 242 Thermodynamics

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 390 Energy Conversion

MECH 392 Mechanics of Fluids: II

MECH 395 Heat and Mass Transfer

MECH 400 Design Project

MECH 435 Automatic Control Engineering

MECH 455 Instrumentation
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 ENGINEERING

Terms 1A, 1B and 2A
For students who began the program in September 2000 or before:

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110</td>
<td>CSC 160</td>
<td>ELEC 216</td>
</tr>
<tr>
<td>ENGL 115</td>
<td>CHEM 150</td>
<td>ENGR 240</td>
</tr>
<tr>
<td>MATH 100</td>
<td>ENGR 150</td>
<td>MATH 200</td>
</tr>
<tr>
<td>MATH 133</td>
<td>MATH 101</td>
<td>MATH 201</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>PHYS 125</td>
<td>MECH 240</td>
</tr>
</tbody>
</table>

Terms 1A, 1B and 2A
For students beginning the program in September 2001 or after:

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110</td>
<td>CSC 160</td>
<td>ELEC 216</td>
</tr>
<tr>
<td>MATH 100</td>
<td>CHEM 150</td>
<td>ENGR 240</td>
</tr>
<tr>
<td>MATH 133</td>
<td>ELEC 199</td>
<td>MATH 200</td>
</tr>
<tr>
<td>MECH 141</td>
<td>ENGL 115</td>
<td>MATH 201</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>MATH 101</td>
<td>MECH 200</td>
</tr>
<tr>
<td>PHYS 125</td>
<td>MECH 240</td>
<td></td>
</tr>
</tbody>
</table>

Terms 2B to 4B
These are the same for all students who started in or after September 1995, as follows:

<table>
<thead>
<tr>
<th>Term 2B</th>
<th>Term 3A</th>
<th>Term 3B</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 250</td>
<td>CSC 349A</td>
<td>ELEC 365</td>
</tr>
<tr>
<td>ENGR 297</td>
<td>MECH 320</td>
<td>ENGR 280</td>
</tr>
<tr>
<td>MECH 220</td>
<td>MECH 335</td>
<td>MECH 330</td>
</tr>
<tr>
<td>MECH 242</td>
<td>MECH 345</td>
<td>MECH 360</td>
</tr>
<tr>
<td>MECH 285</td>
<td>MECH 350</td>
<td>MECH 392</td>
</tr>
<tr>
<td>STAT 254</td>
<td>MECH 390</td>
<td>MECH 395</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 4A</th>
<th>Term 4B</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 400</td>
<td>MECH 405</td>
</tr>
<tr>
<td>MECH 435</td>
<td>MECH 486</td>
</tr>
<tr>
<td>MECH 455</td>
<td>MECH 392</td>
</tr>
<tr>
<td>3 Electives from List A</td>
<td></td>
</tr>
</tbody>
</table>

Term 4B

ENGR 498

Complementary Studies Elective (1.5 units)

4 Electives from List B

ENGR 446: Technical Report (to be registered in term preceding the last academic term)

Technical Elective Courses

List A: May-August Term

| MECH 420 | MECH 447 |
| MECH 421 | MECH 450 |
| MECH 423 | MECH 460 |
| MECH 430 | MECH 462 |
| MECH 440 | MECH 493 |
| MECH 445 | MECH 499 |

List B: January-April Term

| MECH 405 | MECH 471 |
| MECH 410 | MECH 473 |
| MECH 411 | MECH 475 |
| MECH 425 | MECH 485 |
| MECH 433 | MECH 486 |
| MECH 449 | MECH 492 |
| MECH 450 | MECH 495 |
| MECH 465 | MECH 499 |
| MECH 466 |

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. 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.

3. Depending on student interest and faculty availability, courses from the Technical Electives lists will be offered by the Department. Occasionally, some courses from List A will be offered in the List B term and vice versa.
Faculty of Fine Arts

The programs offered by the Faculty of Fine Arts offer students a wide range of options for exploring the creative process in human society while expanding upon the expression of their own creativity in writing, drama, music and the study of art history. Through practical as well as theoretical instruction, students are able to gain a sound foundation of knowledge and skills that will enable them to pursue their creative interests professionally and through further study.
General Information

DEGREES AND PROGRAMS OFFERED

The Faculty of Fine Arts comprises the Departments of History in Art, Theatre, Visual Arts, and Writing, and the School of Music. The Faculty offers programs leading to the degrees of Bachelor of Arts, Bachelor of Fine Arts and Bachelor of Music. 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 and Visual Arts. For information on graduate programs, please refer to the UVic Graduate Calendar.

Co-operative Education Programs

Please refer to page 43 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 98. Details of the program in the Department of Writing are outlined on page 110.

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, each with a minimum duration of 13 weeks. 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 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.

Faculty Admissions

ADMISSION REQUIREMENTS

Applicants seeking admission to the Faculty of Fine Arts should refer to the admission requirements on page 22. Additional requirements for admission to the Departments of Music, Theatre, Visual Arts and Writing are included in each department's entry.

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 ENROLLMENT

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 enrollment 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 of Fine Arts Programs

<table>
<thead>
<tr>
<th>Departmental Programs</th>
<th>BA Honours</th>
<th>BA Major</th>
<th>BFA Honours</th>
<th>BFA Major</th>
<th>BMus Honours</th>
<th>BMus Major</th>
<th>BMus Minor</th>
<th>BMus Co-op</th>
<th>BMus Option</th>
<th>BSc Honours</th>
<th>BSc Major</th>
<th>BSc Minor</th>
<th>BSc Co-op</th>
</tr>
</thead>
<tbody>
<tr>
<td>History in Art</td>
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<td>Visual Arts</td>
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<tr>
<td>Writing</td>
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<table>
<thead>
<tr>
<th>Interdisciplinary Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Film Studies 1</td>
</tr>
<tr>
<td>Arts of Canada 1</td>
</tr>
<tr>
<td>European Studies 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diplomas and Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diploma in Fine Arts</td>
</tr>
<tr>
<td>Harvey Southam Diploma in Writing and Editing</td>
</tr>
<tr>
<td>Certificate in Foundations in Indigenous Fine Arts 2</td>
</tr>
<tr>
<td>Diploma in Cultural Resource Management 3</td>
</tr>
<tr>
<td>Professional Specialization Certificate in Heritage Conservation Planning 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Offered by the Faculties of Fine Arts and Humanities</td>
</tr>
<tr>
<td>2. Offered in cooperation with the En’owkin Centre in Penticton, BC</td>
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<tr>
<td>3. Offered through UVic Continuing Studies</td>
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<tr>
<td>4. Offered by the Faculties of Fine Arts, Humanities, and Social Sciences</td>
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</tbody>
</table>
**Faculty of Fine Arts**

**Admission to a Second Bachelor’s Degree**

Students wishing to complete a second bachelor’s degree should proceed as outlined on page 38.

**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.

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**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 University English requirement (see page 28)
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.

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**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 or 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 209)
- European Studies (offered jointly with the Faculties of Humanities and Social Sciences; see page 210)
- Film Studies (offered jointly with the Faculty of Humanities; see page 209)
- Music (see page 104)
- Professional Writing (see page 109)

**Humanities, Fine Arts and Professional Writing Co-operative Education Program**

Don Bailey, BA (UNB), MEd (UBC), Coordinator
Karen Whyte, BA (SFU), MA (U of T), 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 Coordinators, Room B228, University Centre.

**Program Requirements**

Any student registered in an Honours or Major 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 Harvey Southam Diploma in Writing and Editing, the English Minor in Professional Writing or the Minor in Professional Writing in Journalism and Publishing 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 an Honours or Major BA, BFA, 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 Harvey Southam Diploma in Writing and Editing, the English Minor in Professional Writing or the Minor in Professional Writing in Journalism and Publishing
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

**Minors**

The Faculty of Fine Arts offers Minors in:

- Arts of Canada (offered jointly with the Faculty of Humanities; see page 209)
- European Studies (offered jointly with the Faculties of Humanities and Social Sciences; see page 210)
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1. be enrolled full time in a program leading to an Honours or Major BA, BFA, 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 Harvey Southam Diploma in Writing and Editing, the English Minor in Professional Writing or the Minor in Professional Writing in Journalism and Publishing
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

**Minors**

The Faculty of Fine Arts offers Minors in:

- Arts of Canada (offered jointly with the Faculty of Humanities; see page 209)
- European Studies (offered jointly with the Faculties of Humanities and Social Sciences; see page 210)
- Film Studies (offered jointly with the Faculty of Humanities; see page 209)
- Music (see page 104)
- Professional Writing (see page 109)
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 44. Students are advised that a Co-op Education Program fee is charged.

Diplomas and Certificates

The Faculty offers the following diploma and certificate programs:

- Harvey Southam Diploma in Writing and Editing (see page 109)
- Diploma in Fine Arts (see below)
- Diploma in Cultural Resource Management (see page 100)
- Certificate Program in Foundations in Indigenous Fine Arts (see page 99)
- Professional Specialization Certificate in Heritage Conservation Planning (see page 101)
- Professional Specialization Certificate in Collection Management (see page 101)
- Professional Specialization Certificate in Cultural Heritage Sector Leadership (see page 101)

Diploma in Fine Arts

The Diploma Program in Fine Arts is designed for members of the community who must balance academic study with jobs, families or community responsibilities. It is open to any member of the community with a commitment to university-level study. Applicants should normally have completed an undergraduate degree.

The Diploma Program is not appropriate for those wishing an emphasis on studio or performance areas. Rather, it stresses intellectual values of the creative and liberal arts. It is an innovative, interdisciplinary program that is unique in Canada.

The Fine Arts Diploma Program is an extension program of the Faculty of Fine Arts; completion of the program will lead to a Diploma in Fine Arts awarded under the authority of the Senate of the University of Victoria. Admission is subject to the approval of the Associate Dean of Fine Arts.

The Program offers participants the choice of 11 different themes of study:

- The Idea of the Fine Arts
- History of the Fine Arts
- World Architecture
- The Middle Ages
- Renaissance and Baroque
- Modernism
- Canada
- The Mediterranean
- Asia and the Pacific Rim
- Cross-cultural Studies in Ancient Arts
- Individual Study Program

Each of these themes requires the completion of 18 units of course credit on a full or part-time basis, normally within five years. For further information about the Program, please contact Joy Davis at Continuing Studies at 721-8462.

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 students of Native Indian ancestry who wish to develop specialized skills in creative writing and/or visual arts in a Native People’s 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

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 BEA 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 28). 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 110E (1.5) Painting
- ART 120E (1.5) Sculpture
- ART 130E (1.5) Printmaking
- ART 150E (1.5) Introduction to Contemporary Art Theory
- 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

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: CW 150(E), CW 155(E), CW 156(E), CW 160(E), CW 212(E).
Department of History in Art

Carol Gibson-Wood, BA (W Ont), MA (Brit Col), PhD (Warburg, Lond), Professor (Lansdowne Chair in the Fine Arts)

S. Anthony Welch, BA (Swarth), MA, PhD (Harv), Professor

Kathryn Liscomb, BA (Tufts), MA, PhD (Chicago), Professor

Catherine D. Harding, BA (McG), PhD (London), Associate Professor

Lianne M. McLarty, BA (Brock), MA (Car), PhD (S Fraser), Associate Professor and Director, Film Studies, and Chair of the Department

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

Allan Antliff, BA (Waterloo), MA (Delaware) Ph.D. (Delaware), Canada Research Chair

Marcus Mbwright MA (Edinburgh), DPhil (Oxford), Assistant Professor

Visiting, Adjunct and Cross-listed Appointments

Martín J. Segger, BA, DipEd (U of Vic), MPhil (Warburg, Lond), FRSA, Adjunct Professor (1995-2008)

Elizabeth Tamasonis, BA (Coll of Wm and Mary), MA (NYU), PhD (Calif, Berk), Emeritus Associate Professor

Erica Dodd, BA (Wellesley), PhD (Courtauld), Adjunct Associate Professor (1997-2008)

Martha Black, BA (Toronto), MA (York), PhD (U of Vic), Adjunct Assistant Professor (2001-2007)

Joy Davis, BA (U of Vic), MA (Toronto), Adjunct Assistant Professor (2001-2007)

K. Anne Finlay, BA (Queens), MA (Toronto), PhD (U of Vic), Adjunct Assistant Professor (2001-2007)

Ariane Isler de Jongh, BA, PhD (Montreal), Adjunct Assistant Professor (1995-2008)

Gillian Mackie, BA, MA (Oxford), BA, MA, PhD (U of Vic), Adjunct Assistant Professor (1995-2008)

Nancy Micklewright, BA, MA, PhD (Penn), Adjunct Associate Professor (1996-2008)

Judith Patt, BA, BArch (Stan), MA, PhD (Calif, Berk), Adjunct Assistant Professor (1995-2008)

History in Art Programs

Co-operative Education Program

Please see page 97

Major Program

In addition to the general University requirements for graduation (see page 37), 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 3.0 (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 taken 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. Normally this requirement will be satisfied by completion of 3 units of 200-level language or literature courses (excluding those taught using translations) with a grade point of at least 4.0 (B-). (JAPA 150, CHIN 150 and GER 390 are also acceptable.) The following are acceptable French language courses: FREN 155 and all courses from FREN 175 to FREN 300 inclusive. In special circumstances, students may request permission to take a translation examination administered by the Department.

Standing at Graduation

An Honours degree “With Distinction” requires a graduating average of 6.5 or higher, as well as an average of 6.5 or higher in all courses taken in the Department at the 300 and 400 level. 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

Program Description

The Cultural Resource Management Program offers a postgraduate Diploma in Cultural Resource Management. The program serves those who are currently involved professionally in museums, art galleries, historic sites, building conservation and related cultural stewardship activities.

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.

Program Requirements

To be considered for admission to this diploma program, applicants must have completed a University of Victoria bachelor’s degree or its equivalent.

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), 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-Q (1.5), HA 498 A-F (1.5), HA 486A (1.5), HA 486B (1.5), HA 487A (1.5) HA 487B.

3. Directed Studies or Internship: HA 490 (3.0) or HA 491 (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 units of transfer credit for equivalent courses or certified training.

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
Management

admission to the Diploma in Cultural Resource Management Certificate in Collections Management are
Students who complete a Professional Specialization Certificate in museum or heritage sector. The program requires the completion of the following:
requires the minimum of two years' work experience in the heritage sector. The program
must have completed a University of Victoria
considered for this certificate program, applicants

doctoral specializations. 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 required for participation in the Co-operative Education Program. Further information on the Co-operative Education Option is available from the Program Office.

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, 488R
- 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, 488K
- 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.

Professional Specialization Certificate in Cultural Heritage Sector Leadership
The School of Public Administration offers a Professional Specialization Certificate in Cultural Heritage Sector Leadership in collaboration with the Cultural Resource Management Program. Please refer to Public Administration programs for further information (page 123).

Inquiries
Please direct inquiries regarding the Diploma in Cultural Resource Management and the Professional Specialization Certificate in Conservation Planning, Collections Management and Cultural Heritage Sector Leadership to:

- Cultural Resource Management Program Division of Continuing Studies
- University of Victoria
- Phone (250) 721-8462
- Fax (250) 721-8774
- E-mail: joydavis@uvcs.uvic.ca
- Web: www.uvcs.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, BMus (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, theory)
Patricia Kostek, BSc (Mansfield St Coll), MM (Mich St), Professor (clarinet, chamber music)
Harald M. Krebs, BMus (Brit Col), MPhil, PhD (Yale), Professor (theory)
Bruce E. More, BMus (Brit Col), MM, DMA (Yale), Professor (conducting, Chamber Singers)
Louis D. Ranger, BM (Juilliard), Professor (trumpet, chamber music)
W. Andrew Schloss, BA (Bennington Coll), PhD (Stanford), Professor (electronic and computer music, musical acoustics, ethnomusicology)
Bruce Vogt, ARCT (Tor), BMus (W Ont), MMus (Tor), Professor (piano)
Christopher Butterfield, BMus (U of Vic), MA (SUNY, Stony Brook), Associate Professor (composition, theory)
Michelle Fillon, BA (Montreal), BMus (McGill), MA, PhD (Cornell), Associate Professor (music history, musicology, theory)
Kurt Kellan, Associate Professor (horn, chamber music)
Alexandra Pohran Dawkins, BMus (Tor), Associate Professor (oboe, chamber music)
Lanny R. Pollet, BMus (Eastman), MMus (U of Vic), Associate Professor (flute, chamber music, orchestration)
Arthur Rowe, BMus (W Ont), MM (Indiana), Associate Professor (piano)
Dániel Petér Biró, MFA (Würzburg), MFA (Frankfurt), PhD (Princeton), Assistant Professor (composition, theory)
Hugh Fraser, Assistant Professor (jazz studies, Jazz Ensembles)
Susan Lewis-Hammond, BA, BMus (Queen’s), MM (Arizona), MFA, PhD (Princeton), Assistant Professor (music history, musicology)
Eugene Dowling, BM (Mich St), MM (Northwestern), Senior Instructor (tuba, euphonium, trombone, aural skills, music appreciation)
Susan Young, BA (BYU), MMus (Calg), Senior Instructor (voice, aural skills, Philomela choir)
Jill Michalak, 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) (celli, chamber music)
Joanna E. Hook, BM (San Fran Cons Mus), MM (Indiana) (viola, chamber music)
Sharon M. Siantis, BM, MM (Indiana) (violin, chamber music)

Music Performance Instructors and Part-time Lecturers 2004-2005
Yariv Aloni (chamber music)
Jeremy Berkman, BA (Oberlin College), BMus (Oberlin Conservatory), MMus (Juilliard) (trombone)
Anita Bonkowski, BMus, MMus (U of Vic) (theory)
Lisa Chisholm, Licentiate Music (McGill), Advanced Certificate (Juilliard) (bassoon)
Cary Chow, BMus, MMus (U of Vic) (piano)
Wendell Clanton, BMus (U of Vic), MMus (Northwestern) (saxophone)
David Clemen, ARCCO (Organ perf), ARCT, (theory)
Alexander Dunn, BM, MM (San Fran Cons), PhD (Calif, San Diego) (guitar, theory)
Colleen Eccleston, BFA (U of Vic) (popular music)
Kathryn Ely, BM, BSc (Illinois) (harp)
Robert Fraser, BMus (Brandon), Licentiate (McGill) (trombone)
May Ling Kwook, BMus (U of Vic), MM (Indiana) (piano)
William Linwood, BM (Indiana) (percussion)
Kirk McNally, BMus, MSc (McGill), Senior Scientific Assistant (computer music)
Barb McDougall, BM (Brixton), Artist's Diploma (Juilliard) (violin)
Mary Rannie, BMus (W Ont) (double bass)
Erich Schwandt, BA, MA, PhD (Stanford), Professor Emeritus (organ)
Eva Solar-Kinderman, Perf Dipl (Vienna) (piano)
Jamie Syer, BMus (Calg), MMus, MMA, DMA (Yale) (piano)

Visiting, Limited Term, Adjunct and Cross-listed Appointments
Peter Driessen, BSc, PhD, (Brixton), PEng, Cross-listed Associate Professor (recording techniques) (2004-2007)
Sherry Lee, BMus, MA (W Ont), PhD (Brixton), Limited Term Assistant Professor (music history, musicology, theory) (2004-2005)
Gordon Mumma, Adjunct Professor (2004-2005)
János Sándor, Dipl (F Liszt Academy, Budapest), Limited Term Associate Professor (University Orchestra and Chorus, conducting) (2004-2005)
Colin Tilney, BA, BMus (King's College), Adjunct Professor (keyboard literature) (2004-2005)
Pauline Tuttle, BM (Brixton), MFA (York), PhD (U of Washington), Adjunct Professor (2003-2006)
George Tsanetakis, BSE (U of Crete), MA, PhD (Princeton), Cross-listed Assistant Professor (2005-2007)

Music Programs
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.

Co-operative Education Program
Please see page 97

Admission Requirements
Enrollment 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 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 February. 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 <http://web.uvic.ca/adms/.

Audition appointments and further information may be obtained from:
School of Music
University of Victoria
P.O. Box 1700
Victoria BC, V8W 2Y2
Phone: (250) 721-6597
Fax: (250) 721-6597
E-mail: music@finearts.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.bccat.bc.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 to the final (fourth) year. For information about graduation requirements, please see page 24 or <http://web.uvic.ca/adms/.

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.

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MUS 101A</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>MUS 101B</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>MUS 120A</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>MUS 120B</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>MUS 140</td>
<td>2.0</td>
</tr>
<tr>
<td></td>
<td>MUS 170</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>MUS 1801</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>MUS 181?</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>English 100 level</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Non-music electives</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>15.5</strong></td>
</tr>
</tbody>
</table>

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, 125, 135, 145. Only one of 115 or 135 will be acceptable.

In addition to the courses listed above, students intending to major in Composition must enroll in MUS 105, and 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.

All BMus students are required to demonstrate proficiency at the keyboard. The School may make tutorials available to help students meet this requirement.

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.

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) 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 may 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

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Code</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>MUS 201A and 201B</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>MUS 205</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>MUS 220A and 220B</td>
<td>3.0</td>
</tr>
</tbody>
</table>
MUS 240 ...........................................................2.0
MUS 270 ............................................................1.0
Ensembles1 ......................................................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
Ensembles1 ......................................................1.0 or 2.0
Non-music electives ...........................................4.5
Total: ................................................................16.0 or 17.0

Major in History and Literature

Year 2
MUS 201A and 201B ...........................................3.0
MUS 220A and 220B ...........................................3.0
MUS 240 ............................................................2.0
MUS 270 ............................................................1.0
Ensembles1 ......................................................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
Ensembles1 ......................................................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 ............................................................6.0
MUS 448 ............................................................1.0
Ensembles2 ......................................................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:
   (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 270 ............................................................1.0
One of MUS 236, 330, 331, 332, 333 ..........1.5
ME 280 ............................................................1.0
ME 120 or 121 ..................................................1.0
ME 201 ............................................................1.5
ME 216 ............................................................2.0
ME 402 ............................................................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
Ensembles1 ......................................................1.0 or 2.0
ED-D 401 ...........................................................1.5
ME 220 or 221 ...................................................1.0
ME 301 ............................................................1.5
ME 316 ............................................................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
Ensembles1 ......................................................1.0 or 2.0
ED-D 406 ...........................................................1.5
ME 401 ............................................................1.5
ME 403 ............................................................1.5
FACULTY OF FINE ARTS

Music or non-music electives ........................................ 3.0
Total ........................................................................ 15.0 or 16.0

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 270 ................................................................ 1.0
MUS 280 ................................................................ 1.0
ME 121 .................................................................... 1.0
ME 201 ................................................................... 1.5
ME 216 ................................................................... 2.0
Second teaching area .................................................. 1.5
ME 402 ................................................................... 1.5
Total ........................................................................ 17.5

Year 3
MUS 301A and 301B ................................................. 3.0
MUS 340 ................................................................... 2.0
MUS 356A and 356B ................................................... 3.0
Ensembles¹ ................................................................ 1.0 or 2.0
ED-D 406 .................................................................. 3.0
ME 221 ..................................................................... 1.0
ME 301 ..................................................................... 1.5
ME 403 ..................................................................... 1.5
Total ........................................................................ 16.0 or 17.0

Year 4
Music History elective ................................................... 1.5
One of MUS 401A, 401B, 401C, 401D .......................... 1.5
MUS 440 ................................................................... 2.0
Ensembles¹ ................................................................ 1.0 or 2.0
ED-D 401 .................................................................. 1.5
ME 401 ..................................................................... 1.5
ME 402 ..................................................................... 1.5
Second teaching area ................................................... 6.0
Total ........................................................................ 16.5 or 17.5

1. Ensemble requirements in Music Education Secondary program
   a) Orchestral Instruments, Keyboard
   Instrument 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.

Enrollment 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 and 101B .................................................. 3.0

MUS 105 or MUS elective ........................................... 2.0 or 1.5
Elective¹ ..................................................................... 1.5
Total ........................................................................ 15.5 or 15.0

Year 2
MUS 207, 301A, 301B ................................................... 3.0
MATH 233A ................................................................ 1.5
MATH 235 ................................................................ 1.5
SENG 265 .................................................................. 1.5
ELEC 255 .................................................................. 1.5
MUS 105 or MUS elective ........................................... 2.0 or 1.5
Elective¹ ..................................................................... 1.5
Total ........................................................................ 15.5 or 15.0

Year 3
MUS 180 ................................................................. 1.0
MUS 306, 307, 401C ................................................... 4.5
ELEC 410 .................................................................. 1.5
3 of CSC 330, 335, 360, 370, 430, 435, 459³ ..................... 1.5
SENG 330, ELEC 460²  ................................................. 1.5
SENG 310 .................................................................. 1.5
Elective ...................................................................... 1.5
Total ........................................................................ 14.5

Year 4
MUS 407 .................................................................. 1.0
Two MUS at the 300/400 level ................................ 3.0
ELEC 484²  ................................................................. 1.5
CSC 450, or CSC 640, or ELEC 459³  ......................... 1.5
Two CSC at the 400 level³ .......................................... 3.0
Electives ................................................................... 3.0
Total ........................................................................ 15.0

1. Students who are not exempt from the University English requirement (see page 28) should choose 1.5 units of first-year English.
2. ELEC 407 and 484 are only offered in the summer term.
3. CSC 450 requires CSC 355 and 360 as prerequisites.
   CSC 460 requires CSC 355 and 360 and either SENG 321 or 365 as prerequisites.
   ELEC 459 requires ELEC 407 as prerequisite.
4. One of these courses may be SENG at the 400 level.
5. Or acceptable replacement.

Music and Computer Science Co-op

Students in the Combined Major Program who wish to participate in co-op will be admitted by the Arts and Writing and Computer Science Co-op Programs.

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 120 ...................................................................... 1.5
MUS 120B .................................................................. 1.5
MUS 170 ..................................................................... 1.0
MUS 180 (by audition) ............................................... 1.0
MUS 220 ..................................................................... 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 87.

Department of Theatre

Brian Richmond, MA (Tor), Associate Professor, Chair
Giles W. Hogy, BA (Miami), MA, PhD (Northw), Professor
Allan Stichbury, BFA (Alta), Professor
Mary Kerr, BFA (Man), Associate Professor
Jennifer Wise, BA, MA, PhD (Tor), Associate Professor
Linda Hardy, BA (Brock), MA (Tor), Assistant Professor
K. Scott Malcolm, MFA (York), Assistant Professor
Anthony Vicky, BA (Vic), MA (Tor), PhD (Vic), Assistant Professor
Jan Wood, BFA (Alta), Assistant Professor
Ned Vukovic, Theatre Diploma (Manchester Polytechnical), Senior Instructor
M. Bindon Kinghorn, Senior Academic Assistant and Part-time Lecturer

Gyshbert A. Timmermans, BFA, MFA (Vic), Senior Academic Assistant and Part-time Lecturer
Sandra Guerreiro, BFA (Vic), Senior Academic Assistant
Charles A. Procure, BA (Dal), Senior Academic Assistant
Karla D. Stout, BA (McG), LLB (York), Senior Academic Assistant
Ann Tinner, APR, BA (Dalhousie), Senior Academic Assistant
Stephen Vrooman, Senior Academic Assistant

THEATRE PROGRAMS

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 Generalist 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.

Co-operative Education Program

Please see page 97.
Theatre Major Program

Theatre students must select one of two program options:
- Generalist 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.

Generalist Option

Students who wish to combine their Theatre studies with a wide range of other liberal arts disciplines should select the Generalist Option. A minimum of 30 units in Theatre core courses are required for Generalist 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. Enrollment 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 6 units of performance credit in any combination of 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 in Applied Theatre in their 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. Enrollment 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

Students wishing to enter the Option in Theatre/Writing must seek permission from both the Department of Theatre and the Department of Writing. Students' programs will be devised on an individual basis in consultation with the appropriate department.

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.

To receive an Honours degree “With Distinction,” a student must obtain an average of at least A (7.0) in designated Theatre History courses at the 300 and 400 level, and have a graduating GPA of at least 6.5.

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. 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. An interview and/or audition (and therefore a campus visit) may be required. These visits will normally take place over three weekends in March and April.

Deferred enrollment 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. The Director of Admissions will consult the Department for advice on transfer credit for Theatre courses that have been completed elsewhere. This credit and the Department admission procedures will determine which year of studies the student will be accepted into.

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 (Generalist 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 that students admitted into the Specialist Option in Acting require 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.)

Students planning to go into Education should check with Faculty of Education Advising Services regarding requirements.

Required courses for all Department of Theatre programs are outlined below.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 105</td>
<td>Theatre History</td>
<td>3.0</td>
</tr>
<tr>
<td>THEA 111</td>
<td>Theatre/Writing</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 112</td>
<td>Production and Management</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 120</td>
<td>Design</td>
<td>3.0</td>
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<tr>
<td>THEA 122</td>
<td>Directing</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 205</td>
<td>Acting</td>
<td>3.0</td>
</tr>
<tr>
<td>THEA 210</td>
<td>Production and Management</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 211</td>
<td>Directing</td>
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<tr>
<td>THEA 221</td>
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<tr>
<td>THEA 222</td>
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<td>1.5</td>
</tr>
<tr>
<td>THEA 223</td>
<td>Acting</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Total: 15.0

Second Year (Audition required)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 205</td>
<td>Theatre History</td>
<td>3.0</td>
</tr>
<tr>
<td>THEA 210</td>
<td>Theatre/Writing</td>
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<tr>
<td>THEA 211</td>
<td>Production and Management</td>
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<tr>
<td>THEA 221</td>
<td>Design</td>
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</tr>
<tr>
<td>THEA 222</td>
<td>Directing</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 223</td>
<td>Acting</td>
<td>1.5</td>
</tr>
</tbody>
</table>

2005-06 UVIC CALENDAR 105

FACULTY OF FINE ARTS
### Fourth Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 421</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 422</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 425</td>
<td>1.5</td>
</tr>
<tr>
<td>THEA 426</td>
<td>1.5</td>
</tr>
<tr>
<td>Theatre History 300+</td>
<td>1.5–3.0</td>
</tr>
<tr>
<td>THEA 429</td>
<td>1.5–3.0</td>
</tr>
<tr>
<td>Electives</td>
<td>1.5–3.0</td>
</tr>
<tr>
<td>Total</td>
<td>15.0</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 105</td>
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<tr>
<td>THEA 111</td>
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<td>THEA 112</td>
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<tr>
<td>THEA 120</td>
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<tr>
<td>THEA 132</td>
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<tr>
<td>English</td>
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<tr>
<td>Total</td>
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</table>

#### Second Year

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>THEA 205</td>
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<tr>
<td>THEA 210</td>
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#### Third Year

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>*Theatre History 300+</td>
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<tr>
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<tr>
<td>THEA 335</td>
<td>1.5</td>
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<tr>
<td>THEA 355</td>
<td>1.5</td>
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<tr>
<td>THEA 356</td>
<td>1.5</td>
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<tr>
<td><strong>THEA 394/EDCI 487</strong></td>
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#### Fourth Year

<table>
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<tr>
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<td>1.5-3.0</td>
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<tr>
<td>THEA 394/EDCI 487**</td>
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<tr>
<td>THEA 435</td>
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<td>THEA 499</td>
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*Interview and permission required.*

### Specialist Option in Production and Management

#### First Year

<table>
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<td>THEA 112</td>
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<td>Electives</td>
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<tr>
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#### Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tr>
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<tr>
<td>THEA 252</td>
<td>1.5</td>
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<tr>
<td>THEA 261 and one of 361, 362, 363</td>
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<tr>
<td>Electives</td>
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</tr>
<tr>
<td>Total</td>
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#### Third Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theatre History 300+</td>
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<tr>
<td>THEA 351 and 352 or THEA 348 and 349</td>
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</tr>
<tr>
<td>THEA 261 and one of 361, 362, 363</td>
<td>3.0</td>
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<td>Electives</td>
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#### Fourth Year

<table>
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<tr>
<td>Theatre History 300+</td>
<td>1.5-3.0</td>
</tr>
<tr>
<td>THEA 395</td>
<td>3.0</td>
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<tr>
<td>Electives</td>
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</table>

*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 Theatre History

#### First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
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<tr>
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<td>Electives</td>
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<td>Total</td>
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#### Second Year

<table>
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<th>Units</th>
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<tbody>
<tr>
<td>THEA 205</td>
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<tr>
<td>THEA 210</td>
<td>1.5</td>
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<tr>
<td>THEA 211</td>
<td>1.5</td>
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<tr>
<td>Electives</td>
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<td>Total</td>
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</tbody>
</table>

*Interview and permission required.*

### Notes

- 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.
Second Year

THEA 205 ................................................. 3.0
THEA 210 ............................................... 1.5
THEA 211 ............................................... 1.5
Electives ............................................... 9.0
Total .................................................. 15.0

Third and Fourth Years

7.5 units from THEA 309, 310, 311,
312, 313, 314, 315, 316, 317, 318, 319,
362, 363, 390, 391, 410, 411, 414 ............... 7.5
THEA 490 ............................................... 3.0
Approved Electives ................................. 6.0
Electives ............................................... 13.5
Total .................................................. 30.0

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
English ............................................... 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 348/349
or 355/356 or 362/363 .......................... 3.0
Electives ............................................... 3.0
Total .................................................. 15.0

Third Year

WRIT 305 ............................................... 3.0
THEA 330 ............................................... 3.0
3 units from THEA 309, 310, 311,
312, 313, 314, 315, 316, 317, 318, 319,
362, 363, 390, 391, 410, 411, 414 ............... 3.0
WRIT Electives** ................................. 1.5–3.0
Electives** ........................................... 4.5–3.0
Total .................................................. 15.0

Fourth Year

WRIT 403 ............................................... 1.5
1.5 units from THEA 309, 310, 311,
312, 313, 314, 315, 316, 317, 318, 319,
362, 363, 390, 391, 410, 411, 414 ............... 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 THEA 414 (Studies in
Canadian Theatre and Drama) if it is offered.

Notes

*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 depart-
ment may be approved.

Generalist Option

First Year

THEA 105 ............................................... 3.0
THEA 111 ............................................... 1.5
THEA 112 ............................................... 1.5
THEA 120 ............................................... 3.0
English ............................................... 3.0
Electives ............................................... 3.0
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

BA Honours in Theatre History

To graduate with a BA Honours in Theatre His-
tory, 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
309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319,
362, 363, 390, 391, 392, 394, 490.

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 will-
ing to supervise such a course, formulate a pro-
posal 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 follow-
ing limitations:
1. The student must achieve a minimum GPA of
7.0 (A−) in courses directly related to the pro-
posed 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, BFA (S Fraser), MEA (UCLA),
Associate Professor (Sculpture) and Chair
Vikky Alexander, BFA (NSCAD), Professor
(Photography)
Sandra Meigs, BFA (NSCAD), MA (Dal), Professor
(Painting)
Robert Youds, BFA (U of Vic), MFA (York),
Professor (Painting)
Lynda Gammon, BA (S Fraser), MFA (York),
Associate Professor (Sculpture, Drawing, Instal-
lation)
Steven Gibson, BA (Trinity Western University),
MMus (U of Vic), 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),
Assistant Professor (Video)
Patrick George, BFA (U of Vic), Senior Academic
Assistant

Visual Arts Programs

The Department offers two undergraduate pro-
grams leading to the degree of BFA, Honours or
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 cul-
ture. Studies are enriched by visiting artists and
critics, and the presence of graduate students
from Canada and abroad. In addition to the regu-
lar program, the Department may offer courses
each summer which are staffed by notable visit-
ing artists.

Co-operative Education Program

Please see page 97.

Program Admissions

Applicants from Secondary School
Applicants from secondary schools should com-
plete the usual procedures for admission to the
University (see page 20). The Department will
then forward a questionnaire for the student to
complete and return to the Visual Arts Depart-
ment with a portfolio of 10 slides by May 15.
Application deadline is March 31. Transcripts in
process should be sent to UVic’s Undergraduate
Admissions on application.

Students intending to pursue a degree program
in Visual Arts should declare that intention by
registering in the Faculty of Fine Arts, Visual
Arts Department.
Students requesting return of portfolio material must provide a stamped, self-addressed envelope.

Transfers from Other Institutions
The application process is generally the same as that specified for applicants from secondary school (see above).

Final transcripts for transfer students are due in Undergraduate Admissions by May 31.

Final notification of acceptance or rejection of transfer students will be mailed to students by the end of June.

Transfer credit will be assigned as listed in the BC Transfer Guide, or evaluated as necessary. (Note: Normally students will not be admitted into third and fourth-year studio courses until their outside elective requirements for first and second year have been met.)

Transfers from Other UVic Faculties
In addition to completing the application process outlined for applicants from secondary school (see above), transfers from other faculties should complete the usual procedures for reregistration, as specified on page 27.

Program Requirements
Students who are working towards the BFA degree have the choice of a Major or Honours Program. This permits a choice between an intensive commitment to Visual Arts (normally 34.5 Visual Arts course units from a degree total of 60) or a combination of Visual Arts and other University offerings (as few as 28.5 Visual Arts course units from a degree total of 60).

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 28.5 units of Department offerings as specified below. At least 24 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 University English Requirement, page 28).

First- and Second-year Visual Arts Courses
ART 100* ............................................................1.5
ART 101* ............................................................1.5
ART 150 ...............................................................1.5
3 of ART 110-140, 160, 170 ....................................4.5
3 of ART 200-270 ...................................................4.5
* Mandatory courses in first year

First- and Second-year Out-of-Department Electives
History in Art** ....................................................3.0
Other electives .....................................................12.0
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.

Third- and Fourth-year Visual Arts Courses
ART 300-490 ...........................................................15.0

Third- and Fourth-year Out-of-Department Electives
Electives.................................................................9.0
ART or electives* ...................................................6.0
* Electives must include History in Art requirement.
Note: ART 490 may not be taken concurrently with 499.

Honours Program
Students must normally complete 34.5 units of Department offerings as specified below. Of the total of 60 units:
- at least 21 units must be chosen from outside the Department of Visual Arts, including 6 units of History in Art, and
- at least 21 units must be chosen from courses numbered 300 or above.

There is also a weekly 1.5 hour seminar requirement that is mandatory for all Honours students. To qualify for the Honours Program, students must have:
1. completed 9 units of studio courses at the 300 level
2. a minimum A- average in third-year Visual Arts studio courses
3. permission of the Department

Normally no more than 3 units of other course work may be taken concurrently with the combination of ART 498 and 499, and no more than 3 units of other course work may be taken after these courses for the completion of the BFA Honours Degree. ART 498 and 499 must be taken concurrently.

In addition to the weekly conference time with the advisor, students are expected to spend a minimum of 24 hours per week in the studio.

A general University of Victoria regulation requires all students either to pass the qualifying examination in English or to complete certain English courses (see University English Requirement, page 28).

Students who pass all courses but fail to obtain a second class graduating average (3.5) will normally be admitted to the program at the end of first year.

First and Second-year Visual Arts Courses
ART 100* ............................................................1.5
ART 101* ............................................................1.5
ART 150 ...............................................................1.5
3 of ART 110-140, 160, 170 ....................................4.5
3 of ART 200-270 ...................................................4.5
* Mandatory courses in first year

First- and Second-year Out-of-Department Electives
History in Art** ....................................................3.0
Other electives .....................................................12.0
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.

Third-year Visual Arts Courses
ART 300-380 ...........................................................9.0
Electives (any level) ................................................6.0

Fourth-year Visual Arts Courses
ART 498 ...............................................................1.5
ART 499 ...............................................................10.5
Electives (any level)* .............................................3.0
* Electives must include History in Art requirement.
Note: ART 490 may not be taken concurrently with 499.

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.

Enrollment in this program is limited. Students are admitted to the program at the end of first year.

Year 1
ART 100, 101, 150 .....................................................4.5
MATH 100, 101, 122 ...............................................4.5
CSC 110, 115, 212 .....................................................4.5
Elective .................................................................1.5

Year 2
ART 170, 270 .........................................................3.0
2 of ART 110, 120, 140, 160 ....................................3.0
2 of ART 200, 210, 220, 240, 260 ................................3.0
MATH 233A ...........................................................1.5
CSC 225, 230 ..........................................................3.0
SENG 265 .............................................................1.5

Year 3
1 of ART 370, 371, 372, 373 ....................................3.0
1 or 2 of ART 300, 301, 302, 305, 311, 312, 313, 321, 322, 323, 341, 342, 343, 351, 360, 380 ........................................3.0 or 6.0*
2 of CSC 330, 355, 360, 370, SENG 330 .....................3.0
SENG 310 .............................................................1.5
Electives .............................................................1.5–4.5

Total units for Year 3 .............................................15.0

Year 4
1 of ART 370, 371, 372, 373 ....................................3.0
1 or 2 of ART 300, 301, 302, 305, 311, 312, 313, 321, 322, 323, 341, 342, 343, 351, 360, 380, 490 ........................................3.0 or 6.0*
CSC 405 .................................................................1.5
2 CSC at the 400 level** .........................................3.0
Electives .............................................................1.5–4.5

Total units for Year 4 .............................................15.0
* Students must take 9 units of these courses over Years 3 and 4.
** One of these courses may be SENG at the 400 level.
Humanities, Fine Arts and Professional Writing and Computer Science Co-op Option

Students in the Combined Major Program in Visual Arts and Computer Science who wish to participate in Co-op must be accepted by both the Humanities, Fine Arts and Professional Writing Co-op and the Computer Science/Mathematics Co-op programs. These students will complete two work terms in each of Humanities, Fine Arts and Professional Writing and Computer Science/Mathematics in order to complete their Co-op degree requirements.

Department of Writing

Lorna Crozier, BA (Sask), MA (Alta), Honorary D. Laws (Regina), University of Victoria Distinguished Professor and Chair
Maureen Bradley, BA, MA (Concordia), MFA (Brit Col), Assistant Professor
Bill Gaston, BA, MA, MFA (Brit Col), Professor
Lorna Jackson, BA (Vic), MA (Vic), Assistant Professor
David Leach, BA (Vic), MA (Queen’s), Assistant Professor
Tim Lilburn, BA (Regina), MA (Gonzaga), PhD (McMaster), Assistant Professor
Joan MacLeod, BA (Vic), MFA (Brit Col), Assistant Professor
Lynne Van Luven, BA (Sask), MA, PhD (Alta), Associate Professor

Visiting, Adjunct and Cross-listed Appointments

Don McKay, BA, MA (W Ont), PhD (Wales), Adjunct Professor
John Barton, VA (Vic), MLIS (W Ont), Adjunct Professor

WRITING PROGRAMS

The Department of Writing offers the following program options:
• Major (in drama, fiction, poetry, nonfiction; also a Writing/Theatre option)
• Professional Writing Minor in Journalism and Publishing
• Harvey Southam Diploma in Writing and Editing (a postgraduate Co-op program in journalism and publishing)
• Film Studies Minor (interdisciplinary, various departments; see description on page 209)

PROGRAM ADMISSIONS

Students should note that entrance to first year will normally be restricted. Students taking ENGL 099 may not take courses.

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 or WRIT 102. Few applicants are given permission to bypass these courses, but in special cases—for example, if students have published widely in recognized literary journals—they may apply for Advanced Standing by submitting a portfolio of written work and a letter outlining their suitability. Only portfolios received between January 15 and March 31 will be considered. (See the Department of Writing website or contact the departmental office for more details.) Transfer credits must meet the University of Victoria’s GPA. 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.

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 38). 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 enrollment (e.g., all workshops), they will be deregistered.

Second, Third and Fourth Year Workshops

Students in the Professional Writing Minor Program require a grade of B+ or higher in the appropriate prerequisite to advance. 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
2. 6.0 units from 200-level Writing, including at least 3.0 units from WRIT 201, 202, 203, 204
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, 217 [formerly 317], 306, 315, 404, 408, 417) may not be counted as part of a Writing Major.

2005-06 UVIC CALENDAR

WRIT 316, 330, 335, 336 and 416 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 enrollment 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.

Interfaculty Double Major

A Fine Arts student majoring in Writing may concurrently satisfy the requirements for the Major Program of a department in the Faculties of Humanities, Science or Social Sciences. Conversely, a student pursuing a Major Program for the BA degree within the Faculties of Humanities, Science or Social Sciences may concurrently satisfy the requirements for the Major Program of the Department of Writing as approved for the Faculty of Fine Arts. Only one BA degree with a Double Major will be awarded on the recommendation of the faculty in which the student is registered.

The Harvey Southam Diploma in Writing and Editing

This is a 15-unit, postgraduate diploma for students with degrees (primarily in the Humanities and Social Sciences) who are looking for a professional credential that will lead to a career in writing and editing in journalism, publishing, government communication and corporate information services.

Qualified students should complete their course work in one year (Winter and Spring terms), followed by two optional Co-op work terms. Students admitted to the program may apply for admittance to the Arts and Writing Co-operative Education Program and are subject to the requirements of the Co-operative Education Programs (see page 43).

Admission to the program is determined by degree GPA, portfolio, references and interview. Portfolios must be received in the Department by March 31 of the year in which the student expects to receive a September entry. Students selected for postgraduate study in the HSD will receive a bursary. For further details on these admission requirements, please contact the Department of Writing.

Course Requirements (15 units)

1. WRIT 215, 216, 315, 316, 404 required before work terms
2. 3.0 units of WRIT 495
3. 4.5 units from WRIT 217 (formerly 317), 306, 330, 335, 336 or electives of 316, or electives by permission.

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.

Applications for Entry into the Professional Writing Minor in Journalism and Publishing

Students must apply to Undergraduate Admissions for acceptance to UVic.

After completing WRIT 102 with a minimum grade of B+, students are eligible to continue into second-year Professional Writing courses.

For admission to 300- and 400-level courses, students must have completed 3 units from WRIT 215, 216 or 217 (formerly 317) with a grade of B+ or higher.

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 the Major or Honours Program.

Advanced Standing

Students (including applicants from other universities and colleges) may apply for Advanced Standing in the Professional Writing Minor if they have professional writing experience and/or credits in professional writing courses from other institutions. Based on the following criteria, permission to enter the Professional Writing Program at the appropriate level may be given to students who demonstrate they satisfy the Program's standards:

1. a grade of B+ or better in ENGL 115 (or the equivalent)
2. a writing portfolio deemed satisfactory.

Written applications for Advanced Standing should be submitted to the Director of Professional Writing between January 15 and March 31.

Program Requirements

To obtain a Professional Writing Minor in Journalism and Publishing, students are required to take:

1. WRIT 102 (3.0 units)
2. 3 units from WRIT 215, 216, 217 (formerly 317)
3. 9 units from the 300- and 400-level PW courses in Writing (listed under Major Program on page 109). 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.

Writing/Theatre Option

Students wishing to enter the Writing/Theatre Option must seek permission from both the Departments of Writing and Theatre. Please note that deadline dates for application are February 28 for Theatre and March 31 for Writing. An audition and/or interview may be required by the Department of Theatre. Students’ programs will be devised on an individual basis in consultation with the appropriate department. See the Theatre/Writing Option in the Department of Theatre, page 107.

Humanities, Fine Arts and Professional Writing Co-operative Education Program

General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 44.

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:

- registering as Diploma students in the Harvey Southam Diploma in Writing and Editing, 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 registered in the Harvey Southam Diploma in Writing and Editing must satisfactorily complete all academic requirements of the Diploma (except the thesis) with at least a B+ in 215 and 216 prior to their first work term.

Diploma students are required to complete satisfactorily two work terms to receive a Co-op notation upon graduation.

Students undertaking the Professional Writing Minor must follow the guidelines specific to their program and the Professional Writing Minor in Journalism and Publishing (see page 109). 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 110.
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 of Human and Social Development

Michael J. Prince, BA (Car), MPA (Queen's), PhD (Exeter), Lansdowne Professor (Social Policy) and Acting Dean of Faculty

Brian Wharf, BA, BSW, MSW (Brit Col), PhD (Brandeis), Professor Emeritus

Marie L. Campbell, BA, MA (Brit Col), PhD (Tor), Professor Emeritus

Maureen A. Maloney, LLB (Warw), LLM (Tor), Professor

Pamela J. Moss, BA (Indiana); MA (Brit Col); PhD (McMaster), Professor

Jeffrey L. Reading, BPE (U of A); MS, PhD (U of T), Professor and Scientific Director, CIHR Institute of Aboriginal Peoples Health

Marge Reitsma-Street, BSW, MSW (McGill), PhD (Edinburgh), Associate Professor and Acting Associate Dean of Faculty

Visiting, Adjunct and Cross-listed Appointments

Trevor Hancock, BSc (London), MB, BS Medicine (St. Bartholomew's, London), MHCSc (UofT), Adjunct Professor

Tara L. Ney, PhD (Southampton), BA, MA (UVic), Adjunct Professor

Lorraine J. Greaves, BA, MA (UWO), PhD (Monash), Adjunct Associate Professor

Barbara M. Herringer, PhD (UVic), MSW, BSW (UBC), BA (U of A), Adjunct Associate Professor

Michael A. Hunter, BA (SFrsr), MA (Wat), PhD (SFrsr), Cross-listed with PSYC

Pamela J. Moss, BA (Indiana); MA (Brit Col); PhD (SDraper), Assistant Professor

Appointments

Jennifer Mullett, BA, MA, PhD (UVic), Assistant Professor, Limited Term

Katherine Toghjianian, BA (Brit Col), AM, PhD (Stan), Associate Professor

Peter Kirk, MBChB (Aberdeen), CCFP, FCFP, Adjunct Professor

Sharon Manson-Singer, BSW, MSW (UBC), PhD (Brandeis), Associate Adjunct Professor

Deborah Rutman, BSc, MA, PhD (Tor), Adjunct Assistant 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 of Arts 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 43 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 the undergraduate level and by the School of Health Information Science at the undergraduate 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, each with a minimum duration of 13 weeks. This employment is related as closely as possible to the student's course of studies and individual interest.

With the exception of students in Health Information Science, students may withdraw from the Co-operative Education Program at any time and remain enrolled in a degree program offered by the School.

For details of the program in the School of Public Administration, please see the UVic Graduate Calendar. For details of the program in Health Information Science, please see page 118.

ADVISORY COMMITTEES

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

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.

Academic committees 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.

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 ENROLLMENT

Admission to UVic and this Faculty is not a guarantee of placement in particular programs or courses. Schools may limit enrollment 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 462 (1.5) Perspectives on Substance Use

HSD 463 (1.5) Approaches to Substance Use: Prevention and Treatment

HSD 464 (1.5) Introduction to Disability Studies

HSD 465 (1.5) Interdisciplinary Practice with Children and Families

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 cho-
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 judgment
- acceptance of personal responsibility for continued competency and learning
- willingness to serve the public, client or patient and place them before oneself
- 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 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.

<table>
<thead>
<tr>
<th>Faculty of Human and Social Development Programs</th>
<th>Degree Programs</th>
<th>Diploma and Certificate Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty of Human and Social Development</td>
<td></td>
<td>Indigenous Governance Certificate Program</td>
</tr>
<tr>
<td>School of Child &amp; Youth Care</td>
<td>BA</td>
<td>Diploma in Child and Youth Care 1</td>
</tr>
<tr>
<td>School of Health Information Science</td>
<td>BSc</td>
<td></td>
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<tr>
<td>School of Nursing</td>
<td></td>
<td></td>
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<tr>
<td>School of Public Administration</td>
<td></td>
<td>Diploma in Public Sector Management</td>
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<tr>
<td></td>
<td></td>
<td>Diploma in Local Government Management</td>
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<td></td>
<td>Professional Specialization Certificates</td>
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<td>- Cultural Sector Leadership</td>
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<td></td>
<td>- Local Government Management</td>
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<tr>
<td></td>
<td></td>
<td>- Public Services Management</td>
</tr>
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<td></td>
<td></td>
<td>- Voluntary and Non-profit Sector Management</td>
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<tr>
<td>School of Social Work</td>
<td>BSW</td>
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1. Available only through specific aboriginal community partnerships.
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 IN HEALTH AND SOCIAL SERVICES
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 Programs
Web site: <web.uvic.ca/igov/>
Taiiaike Alfred, BA (Concordia), MA, PhD
(Cornell), Associate Professor
Jeff Corntassel, BA (UC, Irvine), MA, PhD
(Arizona), Assistant Professor
Sheila Watts, Program Assistant
Susanne Marie Thiessen, BFA (UVic), MBA (UVic), Program Manager and Sessional Instructor

PROGRAM PHILOSOPHY
The Indigenous Governance Program 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 program 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 see the UVic Graduate Calendar.

CONCURRENT MAIG/LLB DEGREE PROGRAM
Students who apply to and are accepted into both the Law Faculty LLB and the MAIG (Master of Arts in Indigenous Governance) programs may earn both degrees concurrently with modified requirements for each. The concurrent degree program allows students to complete the requirements of both degrees in 3.5 years (7 terms, including Summer Sessions). The first year of the concurrent degree program is devoted entirely to the first-year LLB cat- student. The second year of the program will normally be devoted to upper-year law courses, and the third year to completion of the MAIG curriculum.

CERTIFICATE IN THE ADMINISTRATION OF INDIGENOUS GOVERNMENTS
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 enroll 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, delivered to meet the needs of students attending 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 enroll 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
E-mail: igov@uvic.ca

Program Requirements
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 380
IGOV 381
IGOV 382
IGOV 383
IGOV 384
ADMN 311
ADMN 312
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
Web: web.uvic.ca/cyc/
Sibylle Artz, BA, MA, PhD (UVic), Acting Director and Professor
James Anglin, BA (Car), MSW (Brit Col), PhD (Leicester), Professor and Associate Vice-President Academic/Director of International Affairs
Gordon Barnes, BSc (Man), BA (Winn), MA, PhD (York), Professor
Valerie Kuehne, BScN (Alta), MEd (Loyola), PhD (Northwestern), L. Professor and Associate Vice-President Academic Planning of the University
Alan Pence, BA, MS (Portland St), PhD (Ore), Professor
Jessica Ball, BA (UBC), MA, MPH, PhD (Berkeley), Associate Professor
Roy Ferguson, BA, PhD (Alta), Associate Professor
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.

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 BA degree program in Child and Youth Care will integrate theoretical perspectives on human growth and development, behavioural change, and understanding and use of self with applied practice skills. Field-based practicum placements are a requirement during the third and fourth years.

Graduate Program
The School offers an MA in Child and Youth Care. For more information about this program, see the UVic Graduate Calendar.

Flexible Program Options for Students
The School of Child and Youth Care offers its BA degree program by distance and on-campus delivery options. The Distance/Distributed Education option blends web-based classroom environments with print and teleconference. These effective distance courses make it possible for the student to complete a BA in Child and Youth Care entirely at a distance (with the exception of one 6-day on-site seminar). Distance delivery is available throughout Canada and may be available to students in other locations by special arrangement. The distance delivery system allows child and youth care practitioners to remain in their home communities and to continue employment while pursuing their degrees.

School of Child and Youth Care Admissions (BA)
Students are selected on the basis of personal and professional suitability as well as academic standing. An interview is normally 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.uvic.ca/cyc>.

On Campus Admission
Students are eligible to apply to the School of Child and Youth Care (SCYC) upon completion of a minimum of 12 units of university credit or its recognized equivalent (e.g., college transfer credit). Three of those units must be English at the 100 level, completed with a grade of C+.

Distributed Learning Admission
Entrance to the distributed learning stream is based on completion of CYC 200A, 200B, 252, 201 and 3 units of 100-level, university-transfer English, with a minimum grade of 3.0 (C+) in each course. These courses can be completed through either the Open University or UVic. Upon completion of these courses, all distributed learning students can apply for admission to the SCYC program. Non-UVic students must apply to both UVic Undergraduate Admissions and the SCYC for entry to the SCYC program. Application deadline is February 28.

Special Category Applicants (Distributed Learning Applicants 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. Distributed learning students wishing to complete the required prerequisite courses may be considered for admission to the University under the Special Category provision. Applicants who qualify in this category will be selected for consideration for admission on the basis of the following criteria:

• Persons who are at least 23 years of age (prior to the beginning of the session applied for)
• Persons whose academic achievements have been significantly delayed, interrupted or adversely affected by:
  – cultural or economic disadvantages, or
  – family or similar responsibilities and the consequence need to attend to these responsibilities or maintain employment

Those who qualify for consideration in the Special Category will be selected by the School of Child and Youth Care and approved by the Senate Committee on Admission, Reregistration and Transfer for admission in the Special Category on the basis of educational history and non-educational achievements that indicate an ability to succeed at university.

New Students
New students must submit an application for admission to UVic's Undergraduate Admissions and an SCYC application to the School by February 28. Applications for the School of Child and Youth Care may be accessed at the SCYC website: <www.uvic.ca/cyc>.

Returning Students
Returning students to the University of Victoria (distributed and on campus) must submit an application for reregistration to UVic Records Services and a SCYC application form to the School by February 28. Applications for the School of Child and Youth Care may be accessed at the SCYC website: <www.uvic.ca/cyc>.

Transfer Credit
Students who have completed a human services training 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). For further information on transfer credit, consult the BC Child and Youth Care Educators’ website: <www.cyc Ecc.bc.ca>.

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 by a faculty member teaching the course containing the content being considered, or by a faculty member with expertise in the area. Initially 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 deadlines. Access to flexible assessment in any particular year is dependent upon the availability of resources.

All second-, third- and fourth-year core courses may be challenged, with the exception of CYC 410, 474, 475 and 476. Elective courses may not be challenged.

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.
**FACULTY OF HUMAN AND SOCIAL DEVELOPMENT**

**PROGRAM REQUIREMENTS**

**Child and Youth Care Course Information (BA)**
- Students need a minimum of 60 units to graduate; 30 of these must be UVic units. CYC core courses total 30 units.
- Students must successfully complete second-year core courses before starting third-year courses, and must complete third-year courses before fourth year.
- All 200-level courses are available by distance delivery to both UVic and non-UVic students.
- CYC 201 is available on campus to UVic students not in the School of Child and Youth Care.
- Elective course requirements vary depending on transfer credit or previous UVic course work. Elective courses may be taken on campus or through distance education. Most UVic or UVic-transferable courses may be used towards electives. See CYC course offerings.

**BA Degree in Child and Youth Care Required Courses**

| Second Year | CYC 201 (1.5) Introduction to Professional Child and Youth Care |
| CYC 200A (1.5) Theoretical Foundations in Child and Youth Care |
| CYC 200B (1.5) Professional Foundations for Child and Youth Care |
| CYC 252 (3.0) Fundamentals of Change in Child and Youth Care Practice |
| 3 units of developmental theory: child, adolescent, human or lifespan development required prior to CYC 338 and 310 |

| Third Year | CYC 301 (3.0) Processes of Change |
| CYC 338 (3.0) Applying Developmental Theory in Child and Youth Care Practice |
| CYC 310 (4.5) Supervised Practicum |
| CYC 310A (4.5) Child and Youth Care Practicum by Prior Learning Assessment (PLA) |
| CYC 371 (1.5) Building Caring Partnerships |
| CYC 373 (1.5) Working with Families and Their Communities |
| CYC 374 (1.5) Promoting Positive Outcomes in Children's Environments |
| OR a Sociology of the Family course is a prerequisite to CYC 466 |

| Fourth Year | CYC 465 (1.5) Theory of Child and Youth Care Practice with Groups |
| CYC 466 (1.5) Theory of Child and Youth Care Practice with Families |
| CYC 410 (4.5) Advanced Supervised Practicum |
| CYC 410A (4.5) Advanced Supervised Block Practicum |
| CYC 423 (1.5) Research Methods in Child and Youth Care |
| HSD 425 (1.5) Qualitative and Quantitative Analysis |

**Advanced Practice Courses**

Students select one of the following:
- CYC 474 (1.5) Child and Youth Care Practice with Individuals
- CYC 475 (1.5) Child and Youth Care Practice with Groups
- CYC 476 (1.5) Child and Youth Care Practice with Families

**BA Degree in Child and Youth Care (Child Protection Stream) Required Courses**

The intent of the Child Protection stream is to prepare students for child protection work and other positions in government and non-profit child welfare agencies. The following courses must be completed to meet the requirements for the Child Protection stream:
- CYC 350A (SOCW 350A) (1.5) Law and Social Services
- CYC 350B (SOCW 350B) (1.5) Legal Skills for Human Service Professionals
- HSD 462 (1.5) Perspectives on Substance Use
- HSD 464 (1.5) Introduction to Disability Studies
- HSD 465 (1.5) Interdisciplinary Practice with Children and Families
- *CYC 474 (1.5) Child and Youth Care Practice with Individuals
- OR *CYC 476 (1.5) Child and Youth Care Practice with Families

Notes:
- For students in the child protection specialization, the fourth-year practicum, CYC 410, must be completed in a Ministry of Children and Family Development or delegated First Nations child welfare agency.
- *CYC 474 and CYC 476 may only be taken in the fourth year of the program.

**DIPLOMA IN CHILD AND YOUTH CARE, ABORIGINAL COMMUNITY-BASED COURSE WORK**

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. This course work is available only through specific Aboriginal 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.

Certain specific admission and program criteria apply to students enrolled in this program. Those criteria are specified in a Memorandum of Agreement with each tribal organization. The School recognizes the successful completion of the two-year program (28.5 CYCB units plus 1.5 units of English) with a Diploma in Child and Youth Care; the two-year Diploma is recognized towards completion of the four-year degree program in CYC. Completion of the two years of 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**

Students who have been recommended by the appropriate Aboriginal community review body for admission to the Aboriginal community-based course work in the School of Child and Youth Care have the option to apply for restricted UVic admission. Such students must complete a UVic Application for Admission and submit it to the School of Child and Youth Care. This application form must be submitted to the Director of the School no later than August 15 for entry into Winter Session. Students wishing to be admitted to UVic under the regular admission procedures should refer to undergraduate admission requirements on page 20.

Under the restricted admission procedure, students will be admitted to the Child and Youth Care Aboriginal 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.

Credit obtained from the Child and Youth Care Aboriginal community-based course work may be transferable to a regular UVic degree program. Students who wish to pursue a BA in 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 will be coded as not satisfying the UVic English requirement (see page 28). 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, recognized institution. Students may receive credit within the Aboriginal 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.

Further information is available at the following website: <www.uvic.ca/fnpp>.

**School of Health Information Science**

Andre Kushniruk, PhD (McGill), MSc (McMaster), BA (Brock), BSc (Brock), Associate Professor and Director
Malcolm Mcclure, SD (Harvard), SM (Harvard), BA (Oxford), Professor
Jochen R. Moehr, Staatsexamens, DrMed (Marburg), Habilitation Medizinische Informatik (Hanover Med School), Professor
Denis J. Protti, BSc (Alta), MSc (Man), Professor
Gerhard W. Brauer, BA (UVic), MA (UBC), Associate Professor
Francis Lau, BSc (Alta), MSc (Alta), PhD (Alta), Associate Professor
Benjamin Jung, PhD (Trinity College Dublin), Assistant Professor
Ken Chung, BA (California), MSc (Calgary), Senior Laboratory Instructor
Health Information Science, a four-year Co-operative Education program.

**SCHOOL ADMISSION REQUIREMENTS**

Admission to the School of Health Information Science is limited to approximately 40 students per year. 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.

**Secondary School Graduates**

Admission requirements for applicants from secondary school are presented on page 22 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 22)
- 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 30.

All new applicants must submit an Application for Admission to the University to Undergraduate Admissions and a Health Information Science Application to the School.

**Program Completion Limit**

The Health Information Science Program must normally be completed within five 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 judgment 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 on page 113, 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:

1. 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
   - 2. 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:

(a) one elective from the Departments of History, Philosophy or Linguistics

(b) one elective from the Departments of Sociology, Political Science or Anthropology

(c) 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 110 (1.5)</td>
<td>Fundamentals of Programming: I</td>
</tr>
<tr>
<td>CSC 115 (1.5)</td>
<td>Fundamentals of Programming: II</td>
</tr>
<tr>
<td>ENGL 115 (1.5)</td>
<td>University Writing</td>
</tr>
<tr>
<td>OR 135 (1.5)</td>
<td>Academic Reading and Writing</td>
</tr>
<tr>
<td>HINF 140 (1.5)</td>
<td>The Governance and Structure of Health Care Systems</td>
</tr>
<tr>
<td>HINF 172 (1.5)</td>
<td>Introduction to Health Informatics Applications</td>
</tr>
<tr>
<td>MATH 151 (1.5)</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td>Electives (3.0 or 4.5)</td>
<td></td>
</tr>
</tbody>
</table>

1. Students without Biology 12 are required to take one of the following:
   - PE 141 (1.5) Introductory Human Anatomy
   - BIOL 102 (1.5) Biochemistry and Human Health
   - BIOL 150A or 150B (1.5) Modern Biology
   - BIOL 190A (1.5) General Biology I

**Second Year: First Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 200 (1.5)</td>
<td>Principles of Health Database Design</td>
</tr>
<tr>
<td>HINF 230 (1.5)</td>
<td>Organizational Behaviour and Change Management</td>
</tr>
<tr>
<td>STAT 252 (1.5)</td>
<td>Statistics for Business</td>
</tr>
<tr>
<td>Electives (3.0)</td>
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</tbody>
</table>

**Second Year: Second Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 201 (1.5)</td>
<td>Database Management and Development for Health Care Systems</td>
</tr>
<tr>
<td>HINF 256 (1.5)</td>
<td>Health Care Delivery and Organizational Models</td>
</tr>
<tr>
<td>HINF 280 (1.5)</td>
<td>Biomedical Fundamentals</td>
</tr>
<tr>
<td>Electives (3.0)</td>
<td></td>
</tr>
</tbody>
</table>

**Second Year: May-August**

Co-op work term

**Third Year: First Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 375 (1.5)</td>
<td>Introduction to Systems Analysis</td>
</tr>
<tr>
<td>HINF 320 (1.5)</td>
<td>Project Management</td>
</tr>
<tr>
<td>HINF 335 (1.5)</td>
<td>Health Information Technologies and Standards</td>
</tr>
<tr>
<td>HINF 350 (1.5)</td>
<td>Human Aspects of Healthcare Information Systems</td>
</tr>
<tr>
<td>HINF 381 (1.5)</td>
<td>Epidemiology, Population Health and Public Health</td>
</tr>
</tbody>
</table>

**Third Year: Second Term**

Co-op work term

**Third Year: May-August**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 310 (1.5)</td>
<td>Electronic Records and Decision Support Systems</td>
</tr>
<tr>
<td>HINF 330 (1.5)</td>
<td>Legal Issues in Health Informatics</td>
</tr>
<tr>
<td>HINF 345 (1.5)</td>
<td>Networks, Interoperability and Systems Security</td>
</tr>
<tr>
<td>HINF 351 (1.5)</td>
<td>Information Technology Procurement</td>
</tr>
<tr>
<td>HINF 371 (1.5)</td>
<td>Clinical Methodologies</td>
</tr>
<tr>
<td>HINF 410 (1.5)</td>
<td>Information Management and Technology</td>
</tr>
<tr>
<td>HINF 420 (1.5)</td>
<td>Ethical and Social Impacts of Technology</td>
</tr>
<tr>
<td>HINF 450 (1.5)</td>
<td>Health Information System Design</td>
</tr>
<tr>
<td>HINF 461 (1.5)</td>
<td>System Evaluation and Quality Improvement</td>
</tr>
<tr>
<td>HINF 470 (1.5)</td>
<td>Trends in Health Informatics</td>
</tr>
<tr>
<td>Electives (7.5)</td>
<td></td>
</tr>
</tbody>
</table>

**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 are required to fulfill the degree requirements of the School of Computer Science. Biotechnology students are restricted to one of:

**Fourth Year: First Term**

Co-op work term

**Fourth Year: Second Term**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 420 (1.5)</td>
<td>Ethical and Social Impacts of Technology</td>
</tr>
<tr>
<td>HINF 450 (1.5)</td>
<td>Health Information System Design</td>
</tr>
<tr>
<td>HINF 461 (1.5)</td>
<td>System Evaluation and Quality Improvement</td>
</tr>
<tr>
<td>HINF 470 (1.5)</td>
<td>Trends in Health Informatics</td>
</tr>
<tr>
<td>Electives</td>
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</tr>
</tbody>
</table>

**Combined Major Program in Computer Science and Health Information Science**

Enrollment 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.

**Year 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 140, 172</td>
<td></td>
</tr>
<tr>
<td>MATH 100, 101, 112</td>
<td></td>
</tr>
<tr>
<td>CSC 110, 115, 212</td>
<td></td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td></td>
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<tr>
<td>Elective</td>
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</tbody>
</table>

**Year 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINF 200, 201, 280</td>
<td></td>
</tr>
<tr>
<td>1 HINF 200 level</td>
<td></td>
</tr>
<tr>
<td>MATH 222</td>
<td></td>
</tr>
<tr>
<td>STAT 255 or 260</td>
<td></td>
</tr>
<tr>
<td>CSC 225, 230</td>
<td></td>
</tr>
<tr>
<td>SENG 265</td>
<td></td>
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<tr>
<td>ENGR 240</td>
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</tbody>
</table>

**Year 3**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 HINF 300 level</td>
<td></td>
</tr>
<tr>
<td>2 of CSC 320, 322, 330, 355, 360, SENG 321</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
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</tbody>
</table>

**Year 4**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 HINF 400 level</td>
<td></td>
</tr>
<tr>
<td>3 CSC 400 level</td>
<td></td>
</tr>
<tr>
<td>Other courses</td>
<td></td>
</tr>
</tbody>
</table>

1. Students without grade 12 Biology must replace this elective with one of PE 141, BIO 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 include at least 3 units chosen from Health Information Science, Computer Science or SENG at the 300 level or higher.

**Co-operative Education**

Please refer to page 43 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 of approximately four months duration each (13 weeks minimum). 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.
tion 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 15th
   - Spring Work Term Report ............. May 15th
   - Summer Work Term Report .......... September 15th
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, Cooperative 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 or F).

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 Cooperative 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.
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://web.uvic.ca/nurs>.

The School of Nursing has two campuses:
- Victoria campus, located at the University of Victoria, Victoria, BC
- Lower Mainland campus, located at Langara College, Vancouver, BC

Both the Victoria and Lower Mainland 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 this philosophy is the metacommunity 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 clinical practice experience as the foundation of learning 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.

Option A: Continuing Program (Victoria and Lower Mainland 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 clinical practice experiences, students, if admitted, may transfer to the University of Victoria School of Nursing (Victoria or Lower Mainland campuses) in order to complete four additional semesters to graduate with a BSN degree. Students who enter the Langara Program from September 2004 onwards should contact Langara College for degree completion details.

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. Continuing students may only register in distance nursing electives if there is space in the course and if the course has been approved as extra-to-load in the program. Registration priority in distance courses is granted to distance students.

Option B: 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.

Methods for delivery of distance education courses vary from a media-based format using print, CD-ROM and WebCT to on-site workshops. Registration priority in on-campus core nursing courses and nursing elective courses (except condensed on-site electives for distance students) is granted to on-campus Option A students. Option B 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 three 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
- For May entry: January 15

For Lower Mainland on-campus continuing CAEN students only: Distance Education program must have access to the Internet, e-mail and the World Wide Web for the duration of the program.

Option A Requirements

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 or the Bridge-Out preceptorship 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: Option A and B, #2, on this page.

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. As of January 2004, all students entering the Option A program must have access to the Internet, e-mail and the World Wide Web for the duration of the program.

Option B 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.

2. 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.

3. Provide two official transcripts demonstrating successful completion of an approved Diploma Nursing Program.

4. Provide two official transcripts of all other post-secondary education.

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 BSN 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. As of September 2001, all students entering the BSN Distance Education program must have access to the Internet, e-mail and the World Wide Web for the duration of the program.
Additional Requirements:

Option A and B

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 (Option A or B) to contact an Admission/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.

Note: 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 encourage 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 (see page 113) and be aware of the consequences of unprofessional conduct, and are subject to the provisions of the Canadian Nurses' Association Code of Ethics and the Registered Nurses' Association at BC Standards of Practice (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 351, 370, 431, 470, 475, 483, 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, the Canadian Nurses' Association Code of Ethics or the Registered Nurses' Association of BC Standards of Practice (or the provincial/territorial or state equivalent where the student's practicum is located), 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 enrollment 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, the Canadian Nurses' Association Code of Ethics or the Registered Nurses' Association of BC Standards or Practice (or the provincial/territorial or state equivalent where the student's practicum is located).

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:

• Option A: within seven years from the date of admission to the School of Nursing at the designated CAEN partner institution
• Option B: 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 judgment 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 or designate, curriculum changes or the length of interruption are sufficient to render the applicant inadequately prepared for the courses.

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). (See also Professional Conduct and Student Progression, above).

Graduation Standing

For degrees granted in the Faculty of Human and Social Development, of which the School of Nursing is part, a graduating average of 7.0 is the lower limit for the degree notation “With Distinction.”

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.

**Code of Ethics and Standards of Practice**
All students must adhere to the Canadian Nurses’ Association (CNA) Code of Ethics and to the Standards of Practice (or equivalent) of the Registered Nurses’ Association in the jurisdiction in which they are undertaking their practice experience. Students who fail to adhere to these principles may be required to withdraw from the program.

Please refer to Regulations Concerning Practica, page 113.

**Criminal Record Reviews**
While not a requirement for admission, most practice agencies require the completion of a Criminal Record Review before accepting a 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 may be unable to obtain a practice placement.

Post-diploma students in BC have a Criminal Record Review completed with their RNABC registration. Post-diploma students undertaking practice experiences in a jurisdiction outside BC are responsible for ensuring they have a Criminal Record Review or equivalent if required by their practice experience agency.

It is strongly recommended that continuing students (Option A) become student members of the RNABC; a Criminal Record Review is completed as part of the registration.

Applicants or students with criminal convictions are advised to contact the appropriate registered nurses’ association for information regarding criminal convictions and registration as a nurse in the jurisdiction in which they are undertaking their practice experience.

**Health Insurance Coverage**
All students must maintain basic and extended health care insurance coverage throughout the duration of the program.

**Immunizations and Current Basic Life Support Certificate**
Many agencies require proof of current immunizations and basic life support certification. All costs and responsibilities associated with these are the responsibility of the individual student.

**Oath of Confidentiality**
Some agencies may require students to take an Oath of Confidentiality.

**Post-Diploma Students (Option B)**
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 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.

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.

* or transferable equivalent course

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**UNIVERSITY OF VICTORIA 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 37).

Continuing students (Option A) must complete 31.5 units of course work.

Post-diploma students (Option B) must complete 24 units of course work.

**Transfer Credit: Continuing Students**
Option A continuing students will not be granted transfer credit for post-basic nursing specialty course work in the BSN program.

**Transfer Credit: Post-Diploma Students**
Post-diploma 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.

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**University English Requirement**
All students must meet the University English requirement (see page 28). Students who have not met the University English requirement on admission to the program are expected to take English during their first term of study.

**Option A CAEN Curriculum Course Sequence**

**Continuing Students:**

**Term 6**
- NURS 341 (1.5) Professional Growth III: Nursing Inquiry
- NURS 350 (1.5) Health IV: Health Promotion and Community Empowerment
- NURS 351 (1.5) Health Practice VI
- NURS 352 (1.5) Self and Others III: Reflection of Caring Practice
- 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 430 (1.5) Professional Growth V: Nurses Influencing Change
- NURS 431 (1.5) Nursing Practice VII
- NURS 360 (1.5) Professional Growth IV: Research
- Nursing elective (1.5)

**Term 9**
- NURS 475 (4.5) Consolidated Practice Experience V
- NURS 491 (4.5) Nursing Practice VIII: Transitions

**Option B CAEN Curriculum Course Sequence**

**Post-Diploma Students:**

**300 Level**
- NURS 325 (or NURS 320) (1.5) Explorations of Nursing Knowledge and Practice
- NURS 345 (or NURS 330 and 331) (3.0) Family Nursing
- NURS 341 (1.5) Professional Growth III: Nursing Inquiry
- NURS 350 (1.5) Health IV: Health Promotion and Community Empowerment
- NURS 351 (1.5) Health Practice VI
- NURS 360 (1.5) Professional Growth IV: Research
- Non-nursing elective 1 (1.5)

**400 Level**
- NURS 430 (1.5) Professional Growth V: Nurses Influencing Change
- NURS 431 (1.5) Nursing Practice VII
- NURS 495* (or NURS 491) (1.5-4.5) Nursing Practice Synthesis

**Nursing Electives**
- NURS 450 (1.5) Nursing Management
School of Public Administration

Evert A. Lindquist, BA (Carleton), MA (W Ont), MPP, PhD (U of Calif-Berkeley), Professor and Director of the School of Public Administration
Herman Bakvis, BA (Queens), MA (UBC), PhD (UBC), Professor
J. Barton Cunningham, BA (Brigham Young), MPA, PhD (S Calif), Professor
John Langford, BA (Car), MA (Oxon), PhD (McG), Professor
James N. MacGregor, MA (Glas), MSc, PhD (UVic), Professor
James C. McDavid, BA, MA (Alta), MA, PhD (Indiana), Professor
Frank Cassidy, BBA (CCNY), MA, PhD (Stan), Associate Professor
Emmanuel Brunet-Jaillly, 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 Metiers), PhD (University of Western Ontario), Assistant Professor
Lynda Gagné, BA (SFU), MA (SFU), PhD (UBC), Assistant Professor
Pierre-Olivier Pineau, BA (Ecole des Hautes Etudes Commerciales), MA (Montreal), PhD (Ecole des Hautes Etudes Commerciales), Assistant Professor
Rebecca N. Warburton, BA (Cornell), MSc, PhD (London School of Economics), Assistant Professor
Laura J. Black, BA (McG), MA (Waterloo), Co-operative Education Coordinator
Heather A. Kirkham, BA (Leth), Program Manager, Diploma and Professional Programs
Cindy Vallance, BA (Emily Carr), Manager, Centre for Public Sector Studies

Visiting, Adjunct and Cross-listed Appointments

Robert L. Bish, PhD (Indiana), Professor Emeritus
James Catt, MA (Edin), MA, PhD (Tor), Professor Emeritus
A. Rodney Dobell, BA, MA (Brit Col), PhD (MIT), Professor Emeritus
John J. Jackson, MSc (Ott), PhD (Alta), Professor Emeritus
Hartmut J. Will, Dipl-Kfm (FU, Berlin), PhD (Ill), Professor Emeritus
Sandford Borins, PhD (Harvard), Adjunct Professor
Chris Corbett, BA, MA, PhD (UVic), Adjunct Professor
John L. Fryer, BSc (Lond), MA (Pitt), Adjunct Professor
David A. Good, M City Planning (Pennsylvania), MPP (U of Calif-Berkeley), PhD (U of Calif-Berkeley), Adjunct Professor
George L. Morfitt, B Comm, (UBC), CA (CICA), Adjunct Professor
Victor Murray, BA (Man), MA (Minn), PhD (Cornell), Adjunct Professor
Gordon Smith, PhD (MIT), Adjunct Professor
Colin J. Bennett, BSc, MSc (Wales), PhD (Ill), Cross-listed Professor
Michael J. Prince, BA (Car), MPA (Queens), PhD (Exeter), Cross-listed Professor (2002-2005)
Lansdowne Professor (Social Policy) and Associate Dean of Faculty
Anthony Campbell, BA (Queens), Adjunct Associate Professor
Barry Carin, BA (McGill), PhD (Brown U), Adjunct Associate Professor
John B. Robinson, BA (U of T), MES (York U), PhD (U of T), Adjunct Associate Professor
Thea F. Vakil, BA, MSc (Brit Col), Adjunct Associate Professor
Eric Clemens, BArch (Manitoba), MArch (Wash), MPA (Victoria), Adjunct Assistant Professor
Allison M. Hubkirk, BA (Victoria), MA (Brit Col), MPA (Victoria), Adjunct Assistant Professor
William J. Lawrence, MA (Concordia), Adjunct Assistant Professor
Diana M. Smith, BSc (U of Alberta), MPA (Carleton), Adjunct Assistant Professor

Public Administration Programs

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 university at institutions such as BCIT, community colleges or other 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 two to 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
E-mail: 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 (CAG) must, upon admission to the DPSM, complete ADMN 310, 311, 312, and one of ADMN 314, 420 or 431, plus ADMN 316.

Transfer Credit

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.

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 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).
FACULTY OF HUMAN AND SOCIAL DEVELOPMENT

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 but are not permitted to take ADMN 311, 314, 421, 422 or 457 for further credit towards the DPSM.

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 ADMN 316, 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, 311, 312, 314, 316, 420, 421 and 431.

Transfer Credit from Capilano College and Camosun College

Students who have successfully completed (with grade averages of C+ or better) Capilano College's 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.

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;
• audiotapes, videotapes;
• tutoring by phone or e-mail.

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 enrollment 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.

English Requirement

Students who hold a degree from a recognized English-language university will be deemed to have met the University's English requirement upon admission to the Diploma in Public Sector Management Program. (Note: ADMN 316 is required for all Diploma students.)

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 certificates:

• Senior Certificate in Municipal Administration
• General Certificate in Municipal Management
• Advanced Certificate in Municipal Management

With these courses, in combination with other educational qualifications and relevant work experience in local government in British Columbia at a senior administrative level, local government employees may apply to the Board of Examiners for certification.

For further certification information contact:
Administrator, Board of Examiners
Ministry of Community, Aboriginal and Women's Services
Parliament Buildings
Victoria BC V8W 1X4
Phone: (250) 387-4053
or
Executive Director, Local Government Management Association of BC
737 Fort Street
Victoria BC V8W 2V1
Phone: (250) 383-7032
E-mail: lgma@lgma.ca

Diploma in Local Government Management

Students employed or seeking employment in local governments may opt to enroll 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 Municipal Affairs (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 university from institutions such as BCIT, community colleges or other 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 two to 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
E-mail: hkirkham@uvic.ca

Transfer Credit

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.

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 unit), 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 College and Camosun College

Students who have successfully completed (with grade averages of C+ or better) Capilano College's 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.

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
- audiotapes, videotapes
- tutoring by phone or e-mail

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 enrollment 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
   - HA 488A .............................................................1.5
   - HA 488P .............................................................1.5
   - HA 488Q .............................................................1.5
   - HA 488R .............................................................1.5
   - HA 488M .............................................................1.5
   - ADMN 445 .............................................................1.5
   - ADMN 446 .............................................................1.5
   - ADMN 448 .............................................................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.

English Requirement

Students who hold a degree from a recognized English-language university are admitted to the Diploma in Local Government Management Program. (Note: ADMN 316 is required for all Diploma students.)

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 Heritage Sector Leadership
- Local Government Management
- Performance Management
- Public Policy
- Public Services Management
- Voluntary and Non-profit Sector Management

Admission Requirements

The Professional Specialization Certificates are intended for students who already hold a bachelor'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.

English Requirement

Students who hold a degree from a recognized English-language university are admitted to meet the University's English requirement upon admission to a Professional Specialization Certificate.

Program Requirements

The requirements for each Professional Specialization Certificate are:

1. Four ADMN 300- or 400-level courses (1.5 units each).
2. No transfer credit will be awarded, 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
- ADMN 490 Directed Studies

Cultural Heritage 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, one of the following:

- 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 Certification Requirements, students should take ADMN 432, plus ADMN 445, 452, 465.

Performance Management

Required:

- ADMN 437 .............................................................1.5

Plus, three of the following:

- ADMN 314 .............................................................1.5
- ADMN 407 .............................................................1.5
- ADMN 421 .............................................................1.5
- ADMN 477 .............................................................1.5

Public Policy

Required:

- ADMN 311 .............................................................1.5
- ADMN 420 .............................................................1.5
- ADMN 465 .............................................................1.5

Plus:

- ADMN 422 .............................................................1.5
- ADMN 477 .............................................................1.5

Public Services Management

Choice of four of the following:

- 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, two of the following:

- ADMN 407 .............................................................1.5
- ADMN 477 .............................................................1.5
- ADMN 421 .............................................................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
School of Social Work

Leslie Brown, BSW (Regina), MPA, PhD (Victoria), Associate Professor and Director of the School
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), Professor Emeritus
Andrew Farquharson, BA (Bishop's), MSW (McGill), MEd, EdD (Toronto), Professor Emeritus
Marjorie D. Martin, BA, BSW, MSW (British Columbia), Professor Emeritus
Brian Wharf, BA, BSW, MSW (British Columbia), PhD (Brandeis), Professor Emeritus
Patricia MacKenzie, BSc (Oklahoma Christian), MSW (British Columbia), PhD (Edinburgh), Associate Professor
David T. Turner, LLB (Sheffield), DipSW and Admin (Oxford), Associate Professor
Barbara Whittington, BA, MSW (British Columbia), Associate Professor
Xiaobei Chen, BA (China), MA (Hong Kong), PhD (Toronto), Assistant Professor
Jacquie Green, BSW, MPA (Victoria), Assistant Professor
Donna Jeffery, BSc (Calgary), BSW (Calgary), MA (OISE/Toronto), PhD (OISE/Toronto), Assistant Professor
Margaret Kovach, BA, BSW (Regina), MSA (Carleton), Assistant Professor (2004-2005)
Harpell Montgomery, BSW, MSW (Victoria), Assistant Professor (2004-2005)
Meenooona Moosa-Mitha, BSW, BA (Calgary), BSW (Calgary), MA (OISE/Toronto), PhD (OISE/Toronto), Assistant Professor
Gail Kavanagh, BSW, MSW (Victoria), Assistant Professor
Sui-May Lui, BA (Concordia), MSW (Brigham Young)
Karen Gregor, BA (Ryerson), MEd (Lakehead)
Penny MacCourt, BSW, MSW (Manitoba), PhD (Victoria)
Sandra Mark, BA (Alberta), MSW (Carleton)
Peter Monk, BSW (Victoria), MSW (British Columbia)
Rena Miller, BSW, MSW (Victoria)
Gayle Ployer, BA (PEI), BSW (Windsor), MSW (Carleton)
Karen L. Potts, BA (Saskatchewan), BSW (Calgary), PhD Candidate (Victoria)
Pat Rasmussen, BA, MSc (Alberta), Phd (Victoria)
Wendy Seager, BA, MPA (Victoria) Administrative Coordinator
Yvonne Haist, BSW, MEd (Victoria), DipAdEd (British Columbia), Senior Instructor
Cheryl Mair-van Iersel, BSW (Calgary), MSW (British Columbia), Senior Instructor
Robert Taylor, BSW, MSW (Victoria), Senior Instructor

Administrative Staff

Dora Leigh Bjorson, Program Director, Distance Education

Fairn Herising, BA (Trent), BSW (Victoria), Practicum Coordinator
Michelle Osborne, BSW (Victoria), Admissions Coordinator
Wendy Seager, BA, MPA (Victoria) Administrative Coordinator
Walene Whiaker, BA, MSW (British Columbia), Practicum Coordinator

Adjunct and Cross-listed Appointments

Barbara M. Herringer, BA (Alberta), BSW, MSW (British Columbia), PhD (Victoria), Adjunct Associate Professor
Lena Dominelli, BA (Simon Fraser), MA, PhD (Sassex), Visiting Scholar
Mary Reitsma-Street, BSW (McMaster), MSW (McGill), PhD (Toronto), Adjunct Associate Professor

SESSIONAL INSTRUCTORS 2004-2005

Cheryl Aro, BSW, MSW Candidate (Victoria)
Elsie Chan, BSc, BA (MA) (Victoria)
Elias Cheboud, BSW (Victoria), MSW (British Columbia), PhD (Victoria)
Fred Ford, BA (Alberta), MRA (San Francisco)
Maxine Gibson, BSW, MSW Candidate (Victoria)
Karen Gregor, BA (Ryerson), MEd (Lakehead)
Sharon Hobenshield, BSW (Victoria), MEd (Simon Fraser)
Cindy Jamieson, BSW, MSW (Victoria)
Sui-May Lui, BA (Concordia), MSW (Brigham Young)
Penny MacCourt, BSW, MSW (Manitoba), PhD (Victoria)
Sandra Mark, BA (Alberta), MSW (Carleton)
Peter Monk, BSW (Victoria), MSW (British Columbia)
Rena Miller, BSW, MSW (Victoria)
Gayle Ployer, BA (PEI), BSW (Windsor), MSW (Carleton)
Karen L. Potts, BA (Saskatchewan), BSW (Calgary), PhD Candidate (Victoria)
Pat Rasmussen, BA, MSc (Alberta), Phd (Victoria)
Margie Reber, BSW, MSW (Victoria)

FACTORIE OF HUMAN AND SOCIAL DEVELOPMENT

hold a Professional Specialization Certificate from the School may transfer up to four courses (6 units) into the DPSC 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.

Graduate Programs

For information on studies leading to the MPA Degree, see the UVic Graduate Calendar.

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 inquiry 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 aim to prepare First Nations social workers and child welfare practitioners and we emphasize structural, feminist, First Nations and anti-oppressive analyses.

Our scholarly mission is to share and create collective knowledge and understanding through engaging in critical inquiry 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 of Schools of Social Work. Graduates are employed in a wide range of government and voluntary organizations such as family and children's services, hospitals, women's services, corrections and First Nations social services.

The range of approaches available to obtain a Bachelor of Social Work degree includes campus-based courses, distance learning and decentralized face-to-face education. Where feasible, students may complete a field placement in the geographic area of their choice.

All students admitted to the BSW program or taking social work courses must have computer access for the duration of their program of studies in order to participate in WebCT online courses and for program administration purposes. Students require a UVic NetID Link 1 with an UVic e-mail address. Participation in Web-mediated courses, students must meet minimum standards for Internet connectivity and Web browser capacity.

The School expects students registered in courses that include an online component to meet the expectations for online activities and to maintain regular access to the Internet throughout the term. Active participation on WebCT as outlined in the course study guide is mandatory as part of our School's policy that requires an 80% attendance level in course work.
First Nations Social Work Specialization
This specialization is a concentration within the BSW program and provides opportunities for First Nations BSW students to focus their undergraduate program on preparing for leadership roles as helpers in First Nations communities.
Students will co-create learning environments with other First Nations students and faculty in the School. This specialization encourages First Nations students to:
• explore and affirm their own indigenous identity
• work alongside First Nations community people, human service workers, political leaders and elders
• build a knowledge base that is informed by First Nations ways of knowing, learning, being, helping
• balance the structural feminist and anti-oppressive social work perspectives available through courses that prepare all BSW students to work with diverse populations of students, faculty and community groups.
The specialization consists of core and elective courses totalling 30 units.
Admission to the specialization is limited to First Nations, Inuit and Métis students.

Child Welfare Specialization
This specialization is intended to prepare students for child welfare work, with an emphasis on protecting children 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.
Students who graduate from the specialization will receive a BSW degree with a Specialization in Child Welfare. The specialization includes core and elective courses totalling 30 units.

First Nations (Child Welfare) Specialization
This specialization is designed for those students who are following the First Nations Social Work Specialization (described above) and who wish to include within it a preparation for child welfare work in First Nations communities.
Admission to the specialization is limited to First Nations, Inuit and Métis students.

First Nations Off-Campus Programs
At the request of First Nations peoples, the School seeks to offer decentralized programs for First Nations with the goal of facilitating community ownership and self-governance. These programs will establish their own distinct mission statements.
The School works to ensure that its various approaches to education are equal in quality and that one admission process and set of standards applies to the BSW program.

SCHOOL ADMISSION REQUIREMENTS
Application packages are available at the School at the beginning of December each year. The deadline for return of all application materials is January 31 for both the May and September entry points.
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.
Students are also required to meet UVic’s English Requirement for Undergraduates (see page 28).
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 grades, an Experience Summary and a Personal Statement. Applicants selected through this initial screening process may be interviewed as a final selection process.
As an alternative to on-campus studies, admitted students can complete their BSW program through distance education (available across Canada). However, SOCW 323 (formerly SOCW 300) includes a mandatory 70-hour face-to-face component.

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, and 6 units for a completed diploma. University transfer courses will be calculated separately.
For information about Prior Learning Assessment transfer credit from post-secondary institutions, contact the Admissions Co-ordinator of the School of Social Work.

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.

Availability of Courses to Students Outside the School
Some third- and fourth-year distance-education 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 Director to be considered for such courses. Students may be permitted to take up to 3 units of Social Work courses. Prerequisites are third-year standing and completion of SOCW 200A and 200B.

Practica
Students are referred to page 113 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 their 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. SOCW 323 (formerly SOCW 300) is a pre- or co-requisite for students intending to apply for PLA. Initial inquiries about eligibility for PLA should be directed to the Field Edu-
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 – Standard BSW
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 statistics and English, if required.

Prerequisites for all Social Work courses: 30 units including SOCW 200A and 200B. Pre-requisite or corequisite for all Social Work courses: SOCW 323 (formerly SOCW 300). Exceptions: SOCW 350A, 350B and HSD courses.

Third and Fourth Years: First Nations Social Work Specialization
One practicum (either SOCW 304 or 402) must focus on First Nations social work.

Prerequisites for all Social Work courses: 30 units including SOCW 200A and 200B. Pre-requisite or corequisite for all Social Work courses: SOCW 323 (formerly SOCW 300). Exceptions: SOCW 350A, 350B and HSD courses.

Third Year
SOCW 323 (formerly SOCW 300).........................6.0
SOCW 301.........................................................1.5
SOCW 304 or 304A ..........................................3.0
SOCW 350A.........................................................1.5
SOCW 354.........................................................1.5
Electives .................................3.0
Total units: .........................................................15.0

Fourth Year
SOCW 402.............................................................4.5
SOCW 451.............................................................1.5
SOCW 474.............................................................1.5
SOCW 491.............................................................1.5
SOCW 492.............................................................1.5
Electives .................................3.0
Total units: .........................................................15.0
Total units for third and fourth years:........30.0

1. Students must choose TWO of SOCW 474, 477 or HSD 465.

Third and Fourth Years: Child Welfare Social Work Specialization
The fourth-year practicum will take place in an approved child welfare agency in another province. Students must have taken a Human Development course approved by the School prior to their final practicum (see SOCW 404 or 404A course descriptions for other pre- and corequisites).

Prerequisites for all Social Work courses: 30 units including SOCW 200A and 200B. Pre-requisite or corequisite for all Social Work courses: SOCW 323 (formerly SOCW 300). Exceptions: SOCW 350A, 350B and HSD courses.

Third Year
As for First Nations Social Work Specialization

Fourth Year
SOCW 350B: Legal Skills
SOCW 404 or 404A: Child Welfare Practicum
SOCW 451: First Nations Policy
SOCW 475: Child Welfare Practice
SOCW 491: Integration of First Nations Approaches to Helping and Healing
SOCW 492: Protecting First Nations Children
HSD 464: Introduction to Disability Issues
The Faculty of Humanities comprises the Departments of English, French, Germanic and Russian 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.
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 132.

ACADEMIC ADVICE AND PROGRAM PLANNING

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 enrollment in required courses to those taking Honours or Major Programs, or to students who require them to complete their programs.

LIMITATION OF ENROLLMENT

Admission to UVic and the Faculty of Humanities is not a guarantee of placement in particular programs or courses. Departments may limit enrollment 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 22.

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 Assistant Dean, 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 program.

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 Assistant Dean. 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 indicated on a Letter of Permission 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 30).

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

Faculty of Humanities Programs

<table>
<thead>
<tr>
<th>Faculty of Humanities Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA Honours</td>
</tr>
<tr>
<td>English</td>
</tr>
<tr>
<td>French</td>
</tr>
<tr>
<td>Germanic &amp; Russian Studies</td>
</tr>
<tr>
<td>Greek &amp; Roman Studies</td>
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<tr>
<td>Hispanic &amp; Italian Studies</td>
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<td>History</td>
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<tr>
<td>Linguistics</td>
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<td>Medieval Studies</td>
</tr>
<tr>
<td>Pacific &amp; Asian Studies</td>
</tr>
<tr>
<td>Philosophy</td>
</tr>
<tr>
<td>Professional Writing (English)</td>
</tr>
<tr>
<td>Women’s Studies</td>
</tr>
<tr>
<td>Interdisciplinary Programs</td>
</tr>
<tr>
<td>Applied Ethics</td>
</tr>
<tr>
<td>Arts of Canada</td>
</tr>
<tr>
<td>European Studies</td>
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<tr>
<td>Film Studies</td>
</tr>
<tr>
<td>Indigenous Studies</td>
</tr>
<tr>
<td>Religious Studies</td>
</tr>
<tr>
<td>Diploma Programs</td>
</tr>
<tr>
<td>Diploma in Applied Linguistics</td>
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<tr>
<td>Diploma in Canadian Studies</td>
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<td>Diploma in Humanities</td>
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<tr>
<td>Diploma in Intercultural Education and Training</td>
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</tbody>
</table>

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 Faculty of Fine Arts and Social Sciences.
4. Offered jointly with the Faculty of Social Sciences.
5. Offered jointly with the Faculty of Fine Arts and Social Sciences, and the Division of Continuing Studies.
6. Offered jointly with the Division of Continuing Studies.
7. Offered jointly with the Faculty of Education and the Division of Continuing Studies.
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

**GRADUATION STANDING**

The University's regulations regarding graduation standing are given on page 36. Honours students should note that eligibility for standing “With Distinction” is based not only on achieving a graduating GPA of at least 6.5, but also on satisfying any additional Honours requirements specified by the department concerned.

Students who have a graduating GPA of at least 6.5 but who do not meet the department’s requirements for standing “With Distinction” have the option of changing their programs in order to graduate from a Major Program “With Distinction.” Such program changes must be made in writing at the Academic Advising Centre. The eligibility for standing “With Distinction” of a student who graduates in a Double Honours Program or in a Joint Honours and Major Program will be determined for each of the two programs separately; a student may graduate “With Distinction” in one program and not in the other.

**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 38.

**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.

**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

**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.

**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.

**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 (see page 38) 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
   - Hispanic Studies (Latin American Studies)
   - History
   - Indigenous Studies
   - Italian Studies
   - Japanese Studies
   - Linguistics
   - Mathematics
   - Medieval Studies
   - Mediterranean Studies
   - Pacific Studies
   - Philosophy
   - Religious Studies
   - Russian
   - Southeast Asian Studies
   - Statistics
   - 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
Honours Programs

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
Hispanic Studies (Latin American Studies)
History
Linguistics (BA and BSc)
Mathematics
Pacific 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 Record of Degree form (PADRE). 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 Record of Degree form (PADRE).

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 Record of Degree form (PADRE), 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
Hispanic Studies (Latin American Studies)
History
Italian Studies
Linguistics (BA and BSc)
Mathematics
Medieval Studies
Mediterranean Studies (Spain or Italy Concentration)
Pacific Studies
Philosophy
Russian
Statistics
Women's Studies

Combined Major Programs

Combined Major in English and French (Canadian Literature)

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 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 Record of Degree form (PADRE), 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
A student may also complete a General Program and one of the Generals offered in any two of the following or by completing one of the General Program 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 student subject area listed on the Record of Degree Program form (PADRE).

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
- Linguistics
- Medieval Studies
- Mediterranean Studies
- Pacific Studies
- Philosophy
- 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 209)
- Film Studies (see page 209)
- Indigenous Studies (see page 210)
- Music (see page 104)
- Professional Writing in Journalism and Publishing (see page 109)

**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 or higher can form part of the requirements for a student's Honours or Major Program or Option. Required or corequisite courses at the 200 level or higher in other programs 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 211)
- European Studies (see page 210)
- Religious Studies (see page 210)
- Indigenous Studies (see page 210)

**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 Assistant Dean of Humanities, Science and Social Sciences.
- be approved by the Program or Option of the Humanities, Fine Arts or General 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 or higher can form part of the requirements for a student's Honours or Major Program or Option. Required or corequisite courses at the 200 level or higher in other programs 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 211)
- European Studies (see page 210)
- Religious Studies (see page 210)
- Indigenous Studies (see page 210)

**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 Assistant Dean of Humanities, Science and Social Sciences.
- be declared by the end of the student's third year.

Students must discuss their program with the Chair/Adviser of the department.

- Departmental minors must have a student-designed 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 Assistant Dean 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/Advisors before submitting their request to the Assistant Dean. The Student-Designed Interdisciplinary Minor Program 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
Karen Whyte, BA (SFU), MA (U of T), 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 Coordinators, Room B228, University Centre.

**Program Requirements**

Any student registered in an Honours or Major 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 Harvey Southam Diploma in Writing and Editing, the English Minor in Professional Writing or the Minor in Professional Writing in Journalism and Publishing 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 an Honours or Major BA, BFA, 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 Harvey Southam Diploma in Writing and Editing, the English Minor in Professional Writing or the Minor in Professional Writing in Journalism and Publishing.
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 notations upon graduation, undergraduate students must perform satisfactorily in each of the required work terms.

The Humanities, Fine Arts and Professional Writing Co-operative Education 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 44. Students are advised that a Co-op Education Program fee is charged.
Department of English
Edward J. Berry, AB (Wesleyan), MA, PhD (Calif, Berk), Professor
G. Kim Blank, BA (S Fraser), MA (Wales), PhD (Southampton), Professor
Evelyn M. Cabley, BA (BYU), MA, PhD (Brit Col), Professor
Misao Anne Dean, BA, MA (Car), PhD (Queen's), Professor
Anthony S. G. Edwards, BA (Rdg), MA (McM), PhD (London), FSA, Professor
Patrick J. Grant, BA (Queen's, Belf), DPhil (Sussex), Professor
Gary Kuchar, BA (Winn), MA, PhD (McM), (Queen's), Assistant Professor
Janelle A. D. Jenstad, BA (UVic), MA, PhD (T oronto), Assistant Professor
Diane Tolomeo, BA (Roch), MA, PhD (Prin), Associate Professor
Lisa A. Surridge, BA (Queen's), MA, PhD (W ats), Associate Professor
Ray Siemens, BA (W aterloo), MA (Alta), PhD (Calif-LA), Associate Professor
Michael Nowlin, BA (Western), MA, PhD (T oronto), PhD (Calif-LA), Associate Professor
Hedy Thompson, BA, MA, MLS (Brit Col), operative Education Co-ordinator

Instructor
Claire McKenzie, BA, MA (U of Vic), Senior Instructor
Susan Wilson, BA (T oronto), MA (UVic) 

Senior Instructor
Ruth Allison, BA, MA (U of Vic), Senior Instructor
Monica Smith, BA (London), MA (U of Vic)

PhD (UVic)

Assistant Professor
Proma Tagore, BA, MA, PhD (McG), Assistant Professor
Smaro Kamboureli, BA (Aristotelian), MA, PhD (Y ork), Assistant Professor

Associate Professor
J. Douglas Beardsley, BA (U of Vic), MA (W Ont), MA (Notre Dame and W Ont), MA (W Ont), Senior Instructor
Sandra Kirkham, BA, MA, PhD (UVic)

Professor
Luke Carson, BA (McG), MA, PhD (Calif-LA), Associate Professor
Elizabeth Grove-White, BA (Dublin), PhD (Trinity), Associate Professor

Assistant Professor
Judith I. Mitchell, BA, MA, (Sask), PhD (Alta), Associate Professor
Margaret Woman, BA (Western), MA (Toronto), PhD (Calif-LA), Associate Professor
Sheila M. Rabillard, BA (Queen's), BEd (W Ont), MA (Queen's), PhD (Prin), Associate Professor
Ray Siemens, BA (Waterloo), MA (Alta), PhD (UBC), CRC Humanities Computing and Associate Professor
Nelson C. Smith, BA (Prin), MAT (Oberlin), PhD (Wash), Associate Professor
Lisa A. Surridge, BA (Queen's), MA, PhD (Tor), Associate Professor
Diane Tolomeo, BA (Roch), MA, PhD (Prin), Associate Professor
Christopher D. Douglas, BA (UBC), MA, PhD (Toronto), Assistant Professor
Janelle A. D. Jenstad, BA (UVic), MA, PhD (Queen's), Assistant Professor
Gary Kuch, BA (Winn), MA, PhD (McM), Assistant Professor
Mary Elizabeth Leighton, BA, (Trent), MA (Guelph), PhD (Alta), Assistant Professor

Eric Miller, BA (Tor), MA, PhD (Virginia), Assistant Professor
Stephen Ross, BA (SFU), MA, PhD (Queen's), Assistant Professor
Jenny Johnson, BA, MA, PhD (McG), Assistant Professor
Ruth Allison, BA, MA (U of Vic), Senior Instructor
Gerald V. Baillargeon, BA, MA (Windsor), PhD (Brit Col), Senior Instructor
J. Douglas Beardsley, BA (U of Vic), MA (York), Senior Instructor
Michael J. Cullen, Dip.Journalism (Mt. Royal), BA (Notre Dame and W Ont), MA (W Ont), Senior Instructor

Susan M. Doyle, BA, MA (U of Vic), Senior Instructor
Claire McKenzie, BA, MA (U of Vic), Senior Instructor
Donald E. Bailey, BA (New Br, MED (Brit Col), Cooperative Education Co-ordinator
Hedy Thompson, BA, MA, MLS (Brit Col), Administrative Officer

SESSIONAL INSTRUCTORS 2004-2005
Sheila Burgar, BA (Brit Col), MA (U of Vic)
R. Colleen Carpenter, BA, MA (Alta)
Lisa Chalikoff, BA, BSc (Queen's), MA, Ph.D. (Brit Col)
Robin Cryderman, BA, MA (U of Vic)
Kathryn Curtis, BA (Kansas), MA (Michigan)
Brian Day, BA, MA (U of Vic), PhD (Queen's)
Celeste Derksen, BA (Simon Fraser), MA, PhD (U of Vic)

Susan Elderkin, BA, MA (Acadia), PhD (Queen's)
Chris Fox, BA, MA (SFU)
Rebecca Gagan, BA, MA (McMaster)
Joseph Gibson, BA (Guelph), MA, PhD (McMaster)
Eric Henderson, BA, MA, PhD (UWO)
Stephen Hume, BA (Trinity, Conn), MA (Tor)
Sandra Kirkham, BA, MA, PhD (UVic)
Helgi Kjartansson, BA (Iceland)
Hilary Knight, BA, MA (U of Vic)

Bernard La Vie, BA, MA (UPPA, France)

Susan Last, BA, MA (Regina)
Tanis MacDonald, BA (Winnipeg), MA (Manitoba)
Matthew Manera, BA (Western), MA (Carleton), PhD (Sherbrooke)
William Markham, BA (Stirling), MA (McMaster)
Raj Mehta, BA (Toronto), MA (McG)
Andrew Murray, BA (Regina), MA (U of Vic)
Peter Perkins, BA, MA (UVic)

Harbinder Sanghera, BA (UVic), MA (Brit Col), PhD (U of Vic)
Monica Smith, BA (London), MA (U of Vic)

Susan Wilson, BA (Toronto), MA (UVic)
Samuel G. Wong, BA (Col), PhD (Princ)

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 Program
Please see page 133.

ACADEMIC REGULATIONS

Admission to English Courses
All students registering for an English course must satisfy the University English requirement for undergraduates (see page 28). Students with an LPI (Language Proficiency Index) score of 4 will take English 115. Those with an LPI score of 5 or an interim grade of 86% or higher in English 12 may take English 125, 135 or 145. 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 28.

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 Director of Literature Programs 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 Director (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 Director (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
The English Department offers a number of variable content courses intended primarily for students in the Honours Program, as well as for those already enrolled in the Honours Program, special counselling for students entering the Honours Program, 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 Director, 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 FREN 300, GER 149, GER 390 or any 6 units of credit in a language course. In certain instances students already fluent in a language may request a translation examination, which will be arranged by the Director of Honours.

Graduation Standing

An Honours degree “With Distinction” requires a graduating GPA of at least 6.5 and at least a B+ in ENGL 499 (the Graduating Essay). An Honours student who has a graduating GPA of at least 6.5 but a grade lower than B+ in 499 will be given the option of receiving a Major degree “With Distinction” or an Honours degree. An Honours degree requires a graduating GPA of at least 3.5 with at least B- in ENGL 499.

Honours Program Course Sequence

Normally, Honours students will follow this pattern:

First Year

ENGL 125 and 145.

Second Year

3 units from ENGL 200A, 200B and 200C; 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. Please note that Honours students should not take ENGL 209 as this covers the same material as ENGL 310. Please note also that ENGL 200A and 200B are not open to students with credit in ENGL 150/151 or 200; such students may take ENGL 200C, 201, 202, 203, 207 or 208, or, with the permission of the Department, substitute 3 units of upper-level English courses for ENGL 200A and 200B.

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 351 (The Canterbury Tales, 1.5 units)
- 1.5 or 3 units from ENGL 360, 366B and C, 366D and E
- 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 from 1800-1900: ENGL 379, 380, 381, 382, 383, 385, 386, 387, 427, 428A, 428B, 474
- 1.5 units of Canadian literature: ENGL 448, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459 (Students with 202 may apply for 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. Linguistics 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:

- MEDI 301
- MEDI 302
- MEDI 401 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 145).


- 1.5 units of electives from the following list: ENGL 340, 341, 346, 347, 352, 353, 354, 357

Major Program

The Department strongly recommends that students majoring 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 Director of Literature for advice in following the course structure.
First Year

English majors are required to take 3 units from ENGL 115, 125, 135, 145.

Second Year

English majors require at least 3 units from the following courses:

- ENGL 200A
- ENGL 200B
- ENGL 200C
- 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 at least two of ENGL 200A, B, and C. These courses are not open to students with credit in ENGL 150, 151 or 200.

Third and Fourth Years

Majors are required to take a total of 15 units in English at the senior level:

1. 7.5 units chosen from the following Course Structure
2. 7.5 units of courses numbered 300 and above

Normally at least 12 of these 15 units should be completed at the University of Victoria.

Course Structure for English Major Program


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. However, it is open only to students who concurrently pursue a Major or Honours degree in another discipline.

In order to be eligible for the Combined Major in English and French, students must complete 9 units of courses numbered 300 and above from those listed below for each major field of concentration in their General program or as a Minor must take:

- 3 units of English in the first year
- 3 units of French courses numbered 300 and above for FREN 302A and 302B

Electives

- Students with a DEC from a Francophone CEGEP, a baccalauréat from France, or equivalent may substitute 3 units of courses numbered 390 and above for FREN 302A and 302B.

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
- 3 units of English 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 sector. 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
- permission of the Director of Professional Writing

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)

Minor in 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 both:

ENGL 115, 125, 135, 145, 181, 182, 215, 225; ECON 225; ENGR 240.

Courses in Professional Writing

Students must complete 9 units of courses numbered 300 and above from those listed below for a Minor in Professional Writing.

ENGL 301 Report Writing
ENGL 302 Writing for Government
ENGL 303 Copy Editing for Professional Writers
ENGL 401 Web Design
ENGL 406 Special Topics in Professional Writing
ENGL 407 Computer-mediated Communication
ENGL 408 Web-based Documentation
ENGL 412 Computer-assisted Research and Reporting
ENGL 492 Directed Reading: Advanced Topics in Professional Writing

Department of French

Sada Niang, MA (Tor), PhD (York), Associate Professor and Chair of the Department

Yvonne Hsieh, BA (BritCol), MA, PhD (Stan), Professor and Graduate Adviser

Marc Lapprand, BA, MA (Besançon), PhD (Tor), Professor

Danielle Thaler, BA (Montr), MA, PhD, (Tor), Professor

Claire Carlin, BA (San Diego St), MA, PhD (Calif-Santa Barbara), Associate Professor

John C.E. Greene, BA, MA (Alta), D de l’Université (Gren), Associate Professor

Marie Vautier, BA (Ott), MA (Laval), PhD (Tor), Associate Professor

Catherine Caws, BA, MA (Nantes), PhD (BritCol), Assistant Professor

Helène Cazes, ENS (Paris), MA-DEA (Paris, Sorbonne), PhD (Paris X), Post-Doc (Mont), Assistant Professor

Emmanuel Hérique, MA, D de IIIe cycle (Nancy), Assistant Professor

Mary Ellen Ross, BA (Dal), MA (Paris, Sorbonne), PhD (Tor), Assistant Professor

Derek J. Turton, BA (Leeds), Cert Ed (Nottingham), M Phil (Leeds), Assistant Professor

Lucie Daigle, BA (Laval), MA (U of Vic), Senior Instructor

French Programs

The Department of French 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).

Students interested in pursuing a program in French should consult with a Departmental adviser as early as possible (see the Department’s website).
Students planning to take senior language courses are strongly advised to take FREN 220 in their second year.

Co-operative Education Program
Please see page 133.

ACADEMIC REGULATIONS
Entry Levels
Students are urged to consult the Department website for information about placement, and to contact the Department for further information and testing, if necessary.

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 FREN 100, 102, 103, 105, 106, 107, 150, 155, 156, 161, 175, 185, 195, 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 Francais 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 28) 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
Departmental Language Requirement
Access to 302A and higher courses offered in French is restricted to students who have one of the following qualifications, or the equivalent:
• A- or higher in 190
• C+ or higher in 292
• A- in 195, plus three courses numbered from 202A to 295 with an average of B- or higher
• four courses numbered from 202A to 295 with an average of B- or higher, including a B or higher in 295
• five courses numbered from 202A to 295 with an average of B- or higher
• five courses numbered from 202A to 295 with an average of C+ or higher, plus 299
• a DEC from a Francophone CEGEP
• a French baccalauréat
• classification as a Francophone student and permission of the Department

Departmental Literature Requirement
• for students with a DEC from a Francophone CEGEP: 286 and 287
• for students with a French baccalauréat or equivalent: 288
• for all other students: 286, 287 and 288

Note: Courses completed for the Departmental Literature Requirement also count toward the Departmental Language Requirement.

Honours Program
First and Second Years
Departmental Language Requirement (see above)
Departmental Literature Requirement (see above)
FREN 185 or 220
LATI 101 and 102 (may be taken in a later year)
All the FREN requirements must be completed with an average grade of B+ (GPA 6.0) or higher before admission into the Honours Program.

Students with a DEC from a Francophone CEGEP and students with a French baccalauréat or equivalent are not required to take 185 or 220.

Third and Fourth Years
FREN 302A and 302B* or FREN 302
FREN 390
FREN 402
FREN 499

13.5 additional units at the 400 level, including at least one course from each of the following groups:
– FREN 420, 425A, 425B, 426
– FREN 440, 446A, 448
– FREN 446B, 450A, 450B, 451, 452, 455B
– FREN 480, 482, 484, 485
*Students with a DEC from a Francophone CEGEP, a baccalauréat from France, or equivalent may substitute 3 units of courses numbered 390 and above for FREN 302A and 302B.

General and Minor Programs
First and Second Years
Departmental Language Requirement (see above)
Departmental Literature Requirement (see above; may be completed during third year)

Third and Fourth Years
FREN 302A and 302B* or FREN 302
FREN 390
FREN 402
FREN 499

13.5 additional units at the 400 level, including at least one course from each of the following groups:
– FREN 420, 425A, 425B, 426
– FREN 440, 446A, 448
– FREN 446B, 450A, 450B, 451, 452, 455B
– FREN 480, 482, 484, 485
*Students with a DEC from a Francophone CEGEP, a baccalauréat from France, or equivalent may substitute 3 units of courses numbered 390 and above for FREN 302A and 302B.

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 200A, 200B, 200C, 201, 202, 203
French Departmental Language Requirement (see page 137)
Course Challenge
The Department of Germanic and Russian 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.

Co-operative Education Program
Please see page 133.

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 "With Distinction" requires a graduating GPA of at least 6.5 and at least a B+ in 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 (1.5) Beginners’ German I
- GER 100B (1.5) Beginners’ German II
- GER 149 (6.0) Intensive German
- GER 200 (1.5) Intermediate German
- GER 251 (1.5) Written German
- GER 252 (1.5) Conversational German
- GER 300 (1.5) Advanced Grammar and Stylistics: I
- GER 349 (6.0) Intermediate Intensive German
- GER 351 (1.5) Advanced Written German: I
- GER 352 (1.5) Advanced Oral German: I
- GER 390 (1.5) German Reading Course
- GER 400 (1.5) Advanced Grammar and Stylistics: II
- GER 452 (1.5) Advanced Oral German: II
- GER 453 (1.5) Advanced Translation
- GER 471 (1.5) The Evolution of Early German
- GER 472 (1.5) The Evolution of Modern German
- GER 499 (1.5) Honours Graduating Essay
**RUSSIAN STUDIES PROGRAMS**

The Department of Germanic and Russian 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 Russian 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.

**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 Studies should refer to page 67.

**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 RUSS 300A, RUSS 308A and RUSS 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 is also available.

**Notes**

- Students are encouraged to plan their programs, since the lack of prerequisites may limit their choice of courses.
- It is assumed that students following the General and Minor 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. A Minor in Greek and Roman Studies requiring 9 units of Departmental offerings at the 300 or 400 level is also available.

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**Department of Greek and Roman Studies**

_Ingrid E. Holmberg, BA (Yale), PhD (Yale), Associate Professor and Chair of the Department_  
_John B. Oleson, BA, MA, PhD (Harv), FRSC, Professor_  
_Gordon S. Shrimpton, BA, MA (Brit Col), PhD (Stan), Professor_  
_Gregory D. Rowe, BA (Mich), DPhil (Oxon), Associate Professor_  
_Laurel M. Bowman, BA (Tor), MA (Brit Col), PhD (Calif, LA), Assistant Professor_  
_R. Brendan Burke, BA (Fla), MA, PhD (Calif, LA), Assistant Professor_  
_Cedric A. J. Littlewood, BA, MA, DPhil (Oxon), Associate Professor_  
_Luke Roman, BA (Harv), PhD (Stan), Assistant Professor_  

**Greek and Roman Studies Programs**

The Department of Greek and Roman Studies (formerly the Department of Classics) offers 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.

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**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. Students in lieu of any 300-level course in Greek and Roman Studies.

**Course Requirements**

- **General and Minor Programs**
  - 3 units of Departmental offerings normally at the 100 or 200 level
**HISPANIC AND ITALIAN STUDIES PROGRAMS**

The Department of Hispanic and Italian Studies offers General, Major and Honours programs in Hispanic Studies, and General and Major programs in Italian Studies and in Mediterranean Studies (Spain Concentration or Italy Concentration).

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.

### Co-operative Education Program

Please see page 133.

**HISPANIC STUDIES PROGRAMS**

The Department of Hispanic and Italian Studies offers the following Hispanic Studies programs leading to the degree of Bachelor of Arts:

#### General (Minor)

- **First Year**
  - SPAN 100A and 100B

- **Second Year**
  - SPAN 250A and 250B
  - SPAN 260

- **Third and Fourth Years**
  - SPAN 350A and 350B
  - 3.0 units from SPAN 370, 375, 380, 385
  - 3.0 additional units of 300- or 400-level Hispanic courses

#### Major

- **First Year**
  - SPAN 100A and 100B

- **Second Year**
  - SPAN 250A and 250B
  - SPAN 260

- **Third and Fourth Years**
  - SPAN 350A and 350B
  - SPAN 450A
  - At least 4.5 units from SPAN 370, 375, 380, 385
  - 6.0 additional units of 300- or 400-level Hispanic courses

- **Major (Latin American Studies)**

- **First Year**
  - SPAN 100A and 100B

- **Second Year**
  - SPAN 250A and 250B
  - SPAN 260

- **Third and Fourth Years**
  - SPAN 350A and 350B
  - SPAN 380
  - SPAN 385
  - 3.0 units of 400-level literature courses from SPAN 481A, 481B, 481C, 481D
  - At least 1.5 units from SPAN 370 and 375
  - 3.0 units of 400-level literature courses from SPAN 482A, 482B, 483A, 483B, 485B
  - 1.5 additional units of 300- or 400-level Hispanic Studies courses or support courses*

*These 1.5 units may be substituted from the supporting course list, below, or Hispanic Studies courses conducted in English may also be taken without the requirement that students do all of their course work in Spanish. These courses are also strongly recommended as electives for students pursuing a Major or an Honours degree in Latin American Studies.

#### Honours Program*

- **First Year**
  - SPAN 100A and 100B

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**Department of Hispanic and Italian Studies**

Lloyd H. Howard, BA (Brit Col), MA, PhD (Johns H), Associate Professor and Chair of the Department

Gregory Peter Andrachuk, BA, MA, PhD (Tor), Professor

Beatriz de Alba-Koch, BA (ITESM), MA (Paris III), MA (Princeton), MA (Queen's), PhD (Princeton), Associate Professor

Pablo Restrepo-Gautier, BA, MA, PhD (Brit Col), Associate Professor

Elena Rossi, BA (Vassar), MA, PhD, (Tor), Associate Professor

Dan Russek, BA, MA (UNAM), PhD (Chicago), Assistant Professor

Silvia Colás Cardona, BA (Autónoma de Barcelona), MA (Calg), Senior Instructor

Daniela Lorenzi, BA (UVic), MA (UVic), Senior Instructor

Rosa L. Stewart, BA (Ohio Wesleyan), MA (Mich), Senior Instructor

Degree in Hispanic Studies to a limit of 3 units, provided all course work is written in Spanish.

#### Prerequisites

Students wishing to take 300- and 400-level courses in Spanish must achieve a grade of B- or higher in SPAN 250A, 250B and 260 (these courses should be taken in second year) and the pre- or corequisite of SPAN 350A (this course should be taken in third year), or have permission of the Department. Students continuing to 400-level literature courses must have as a pre- or corequisite one of SPAN 370, 375, 380 or 385. Students pursuing a General 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. Students pursuing the Latin American Studies Major or Honours must take SPAN 380 and 385, and either 370 or 375 (both are recommended for Honours students). Exceptions may be made under certain circumstances, after consultation with the Department.

#### Native Speakers

Native speakers of Spanish may not obtain credit for SPAN 100A, 100B, 149, 250A, 250B, 255 or 260. 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.

#### Hispanic Courses in English

Hispanic Studies courses conducted in English may be credited to a General, Major or Honours
ITALIAN STUDIES PROGRAMS

The Department of Hispanic and Italian Studies offers General (Minor) and Major programs in 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. 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.

Native Speakers

Native speakers of Italian may not obtain credit for ITAL 100A, 100B, 149, 250A, 250B or 255. 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.

PROGRAM REQUIREMENTS

Students are advised to consult with the Department in the selection of their courses.

General (Minor)

- **First Year**
  - ITAL 100A, 100B

- **Second Year**
  - ITAL 250A, 250B

- **Third and Fourth Years**
  - 3.0 units of 400-level literature courses from SPAN 481A, 481B, 481C, 481D
  - 0.5 units of support course list below.

**Required Courses**

- ITAL 300
- ITAL 303, 304 or 470 or 472A or 472B
- ITAL 350 or 351
- One of ITAL 473 or 474 or 478
- 6 additional units of 300- or 400-level Italian courses*\(^1\)

**Supporting Course List**

- 3.0 additional units of 300- or 400-level Hispanic Studies courses or support courses**
- Up to 3 units may be substituted from the supporting course list below.

Major

- **First Year**
  - ITAL 100A, 100B

- **Second Year**
  - ITAL 250A, 250B

- **Third and Fourth Years**
  - ITAL 350
  - ITAL 351
  - ITAL 352
  - ITAL 303 or 304 or 470 or 472A or 472B
  - ITAL 306
  - Two of ITAL 473, 474, 478
  - Up to 4.5 additional units of 300- or 400-level Italian courses*\(^1\)

**Supporting Course List**

- Students combining an Italian Minor or Major with a second concentration may not count the same course for both concentrations.

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

**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)
  - SPAN 306 (1.5)

- **Supporting Course List**
  - 3.0 300- or 400-level units 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.

**Major**

- **Prerequisite**
  - SPAN 250A and 250B or equivalent

- **Required Courses**
  - MEST 300 (1.5)
  - MEST 308 (1.5)
  - MEST 310 (1.5)
  - SPAN 305 (1.5)
  - SPAN 306 (1.5)
  - 4.5 units of SPAN 400 level courses taught in English
  - 3.0 300- or 400-level units from outside the Department*
**Department of History**

Eric W. Sager, BA, PhD (Brit Col), Professor and Chair of the Department

Robert S. Alexander, BA (W Ont), MA (Tor), PhD (Cantab), Professor

Peter A. Baskerville, BA (Tor), MA, PhD (Queen's), Professor

Brian W. Dippie, BA (Alta), MA (Wyo), PhD (Tex), Professor

G. R. Ian MacPherson, BA (Assumption U of Windsor), MA, PhD (W Ont), Professor

Angus G. McLaren, BA (Brit Col), MA, PhD (Harvy), FRSC, Professor

Andrew Rippin, BA (Tor), MA, PhD (McGill), Professor and Dean of Humanities

Patricia E. Roy, BA (Brit Col), MA (Tor), PhD (Brit Col), Professor

Paul Wood, BA (W Ont), MPHil (Lond), PhD (Leeds), FRHistS, Professor

David Zimmerman, BA (Tor), MA, PhD (New Br), Professor

A. Perry Biddiscombe, BA, MA (New Br), PhD (Lond Sch Econ), Associate Professor

Gregory R. Blue, BA (St Vincent de Paul), B Phil (U Catholique Louvain), PhD (Cantab), Associate Professor

M. L. (Mariel) Grant, BA (Trent), DPhil (Oxon), Associate Professor

John S. Lutz, BA, MA (U of Vic), PhD (Ott), Associate Professor

Lynne S. Marks, BA (Tor), MA, PhD (York), Associate Professor

John Price, BA, MA, PhD (Brit Col), Associate Professor

Thomas J. Saunders, BA (York), MA, PhD (Tor), Associate Professor

Oliver Schmidtke, Diplom (Philipps Universitaet Marburg), PhD (European University Institute), Associate Professor

Elizabeth Vibert, BA (Dal), MA (E Anglia), DPhil (Oxon), Associate Professor

Wendy Wickwire, BMus (W Ont), MA (York), PhD (Wesleyan), Associate Professor

Guoguang Wu, BA (Beijing), MA (Chinese Academy Social Sciences), MA (Princeton) PhD (Princeton), Associate Professor

Sara Beam, BA (McGill), MA, PhD (Calif. Berk), Assistant Professor

Martin Bunton, BA (Brit Col), MA, PhD (Oxon), Assistant Professor

Zhongping Chen, BA, MA (Nanjing), PhD (Hawaii), Assistant Professor

Simon Devereaux, BA, MA, PhD (Tor), Assistant Professor

Timothy S. Haskett, BA, MA, PhD (Tor), Assistant Professor

Andrea McKenzie, BA (Brit Col), MA (York), PhD (Tor), Assistant Professor

Andrew Preston, BA (Tor), MSc (Lond Sch Econ), PhD (Cambridge), Assistant Professor

Phyllis M. Senese, BA (Tor), MA (Car), PhD (York), Assistant Professor

Serhy Yekelchyk, BA (Kiev), MA (UkrAcadSci), PhD (Alta), Assistant Professor

C. John D. Duder, BA (U of Vic), PhD (Aberdeen), Senior Instructor

**Visiting, Adjunct and Cross-listed Appointment**

John D. Belshaw, BA (Brit Col), MA (SFU), PhD (Lond Sch Econ), Adjunct

Patrick Dunne, BA (U of Vic), PhD (Manchester), Adjunct

Lorne Hammond, MA, BA (U of Vic), PhD (Ottawa), Adjunct

Mitchell Lewis Hammond, BA, MAR (Yale), MAR, PhD (Virginia), Limited Term Assistant Professor

Larry Hamnani, BA (Calgary), MA (Waterloo), PhD (Brit Col), Adjunct

Rosemary Ommer, BA (Glasgow), PhD (McGill), Adjunct

Alison Prentice, BA (Smith Coll), MA, PhD (Tor), FRSC, Adjunct

**Emeritus**

Harold G. Coward, BA, MA (Alta), PhD (McM)

Ralph C. Croizier, BA (Brit Col), MA (Wash), PhD (Calif. Berk)

Charlotte Girard, BA (Brit Col), MA, PhD (Bryn Mawr)

James Hendrickson, BA (Sask), BEd (Alta), MA, PhD (Ore)

Sydney W. (Toby) Jackman, BS, MA (Wash) AM, PhD (Harvard)

Robert McCue, BA, BEd (Alta), MA, PhD (BYU)

John Money, BA, MA, PhD (Cantab), FRHistS

Reginald H. Roy, BA, MA (Brit Col), PhD (Wash)

Donald Senese, AB, PhD (Harvard)

W. George Shelton, BA, MA (Man), PhD (Pa)

E. Patricia Tsurumi, BA (Brit Col), AM, PhD (Harvard)

Wesley T. Wooley, AB (Ill), AM, PhD (Chic)

**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 Program**

Please see page 133.

**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, Euro-
gram should normally be made in the spring. Application for admission to the Honours Program requires a minimum 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 minimum of 6.0 in 6 units of History courses required to be accepted in lieu of a course in European history.

**Program Requirements**

**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 200 level

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.

**Major Program**

To be admitted to the Major Program, students require a C average in 6 units of introductory History courses.

Students interested in pursuing a Major in History are advised to consult the Majors Adviser in their first year if possible. Majors must have their third- and fourth-year programs approved by the Majors Adviser.

In the third and fourth years, the student must take 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 advised to select 9 units of non-History courses in consultation with the Majors Adviser.

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.

**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 small seminars, directed readings and individual instruction in writing and research, 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 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 courses 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 are encouraged to study more than one area of History and to choose several courses outside the Department of History.

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.

**Graduation Standing**

An Honours degree “With Distinction” requires a GPA of at least 6.0 in Honours courses (HIST 480, 495, 496 and 497), and a graduating GPA of at least 6.5. A student having a graduating GPA of at least 6.5, but a GPA of between 4.0 and 5.99 in the Honours courses will be given the option of receiving either a Major degree “With Distinction” or an Honours degree. An Honours degree requires a GPA of at least 4.0 in Honours courses and a graduating GPA of at least 4.0.

**Third- and Fourth-year Requirements**

The Honours Program consists of 30 units of course work normally taken during a student's third and fourth years of study:

- HIST 480 ................................................................. 3.0
- Either HIST 496 or HIST 497 ................................. 3.0
- 12 units of advanced-level History courses (may include HIST 495) ......................... 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. 12 units of electives chosen in consultation with the Honours Adviser .......... 12.0
- 1. Usually completed by the end of third year
   2. As part of HIST 496 and 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 all interested members of the Department.

Students are also required to demonstrate a reading knowledge of a language other than English by passing, with at least a C, 3.0 units of 200-level language courses (FREN 155, 175 and 195 are also acceptable), or by passing a special translation examination administered by the Department of History.

Honours students must take at least 3 units of upper-level History courses in areas outside their regional specialization.

* Other than these, courses in the various studies programs (CS, ES, EUS, GEWS, GRS, GS, IS, MEDI, MEST, FPA, 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).
BA in Linguistics

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.

Major Program

The requirements for a Major in Linguistics are:
- LING 100A
- LING 200
- LING 203
- 15 units of upper-level courses in Linguistics including LING 409, 410A and 440

Some knowledge of a language other than English is recommended.

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; and
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.

Students who meet the above requirements and successfully complete all prescribed courses will be recommended for Honours degrees as follows:

- With Distinction: graduating average of 6.5 or higher and a letter grade of at least A- in Linguistics 499 (Honours Thesis)
- Honours: graduating average of 3.5 to 6.49 and a letter grade of at least B in 499

An Honours student with a graduating average of at least 6.5, but with a grade less than A- in 499, will be given the option of receiving a Major degree “With Distinction” or an Honours degree.

All Honours students are required to submit their proposals for Honours thesis research at the beginning of their final year.

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.)

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 equivalent

Required Courses: Third and Fourth Years

15 units including:
- LING 373
- LING 374
- LING 375
- LING 376*
- LING 388
- LING 409
- LING 410A
- LING 440
- 3 units selected from LING 370A, 377, 386, 390 or 392, 395, 397 or 398

Corequisite Courses:
- 3 units selected from upper-level English or Writing
  * LING 376 will normally be taken in the final year of study.

Honours Program

In addition to the requirements for the Major, students intending to pursue an Honours degree in Applied Linguistics 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.

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.

Major Program

Required Courses: First and Second Years

LING 100A
LING 200
LING 203
LING 203
PH YS 214
PSYC 215A, 340
MUS 306, 307
Course(s) in a second language.

Recommended Electives

CSC 100, 110, 115
PE 241A and 241B (prerequisite 141)
PH YS 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, 409, 410A, 410B, 440, 441
3 additional units of upper-level Linguistics courses, selected from the following: LING 373, 386, 482, 483, 484 and from the following not already selected: LING 300, 409, 410A, 410B, 440, 441

Corequisite Courses

PSYC 300A
4.5 units selected from PSYC 300B, 313, 315, 317A, 317B, 323, 335, 413, 415, 450.

Honours Program

Students intending to pursue a BSc Honours degree in Linguistics 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.

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 normally be required to have a major in English.

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 200
LING 203
LING 373
LING 375
LING 376
LING 388
4.5 units from LING 370A; 377; 386; 389; 390 or 392; 395; 397 or 398

Please refer to Guidelines for Ethical Conduct and Regulations Concerning Practica, page 131.
Medieval Studies Program

Director: Catherine D. Harding, BA (McG), PhD (Lond), Associate Professor, Department of History in Art

Medieval Studies Program Committee
Hélène Cazes, PhD (Paris), Assistant Professor, Department of French. Term expires July 1, 2006
Iain Higgins, BA (Brit Col), PhD (Harvard), Associate Professor, Department of English. Term expires July 1, 2006
Lloyd Howard, BA (Brit Col), MA, PhD (Johns H), Associate Professor and Chair, Department of Hispanic and Italian Studies. Term expires July 1, 2005
Susan Lewis, BA, BMus (Queen's), MM (Arizona), MFA, PhD (Princeton), Assistant Professor, School of Music. Term expires July 1, 2005

MEDIEVAL STUDIES PROGRAMS

Medieval culture, which flourished in Europe from about AD 300-1500, and has analogues in many non-European cultures, lends itself well to interdisciplinatory study. Since a proper knowledge of the life of the Middle Ages requires a knowledge of the history and thought of the period, the Medieval Studies Program seeks to train students in the techniques of history, literature, language and manuscript studies needed for the accurate and critical study of medieval culture.

The Department offers a Major Program and a General Program 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 132), or with a Major in another Faculty (see Interfaculty Program, page 132). 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 133).

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 requirement: MEDI 301, 302, 360 and 401 (360 301, 302, 360 and 401 with the Faculty of Education's approval only). Students who wish to pursue this option should contact the Medieval Studies office.

Requirements for the Major

MEDI 301 The Middle Ages: I ......................1.5
MEDI 302 The Middle Ages: II ....................1.5
3 units of the following 400-level MEDI courses: .........................................................3.0
MEDI 401 Seminar in Medieval Culture
MEDI 451 (formerly part of 450) The
Medievalists and the Written Word
MEDI 452 Special Topics in Medieval
Manuscript Studies
9 units of upper-level courses, selected from other MEDI offerings and the list of Eligible Courses (with no more than 3 units selected from any one department) .................................................9.0
Total .................................................................................................................................15.0

Double Major

Students pursuing a Double Major may select courses on the Eligible Courses list from their second field of concentration, provided the same units are not used for both Majors.

General and Minor Programs

MEDI 301 ........................................................................1.5
MEDI 302 ........................................................................1.5
MEDI 401 or 451 or 452 ........................................1.5
An additional 4.5 units of MEDI course offerings or courses from the Eligible Courses list at the 300 or 400 level, 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:
– MEDI 301
– MEDI 302
– MEDI 401 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.
– 1.5 units selected from the following list:
ENGL 340, 341, 346, 347, 352, 353, 354, 357

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 completion of 3.0 units of 200-level language courses. The Language Requirement may also be satisfied by two of the following: ENGL 340, 341, 346, 347 (3.0 units of FREN courses numbered 155 or higher, excluding 160 and 161, are also acceptable). The same courses, however, may not be counted again under Major requirements.

Eligible Courses

ENGL 340 (1.5) Introduction to Old English
ENGL 341 (1.5) Old English Literature
ENGL 346 (1.5) Introduction to Old Icelandic
ENGL 347 (1.5) Old Icelandic Literature
ENGL 351 (1.5) The Canterbury Tales
ENGL 352 (1.5) Chaucer and his Contemporaries

Co-operative Education Program

Please see page 133.

PROGRAM REQUIREMENTS

Major Program

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.

Eligible Courses

ENGL 340 (1.5) Studies in Medieval English Literature
ENGL 354 (1.5) Old and Middle English Literature in Translation
ENGL 357 (1.5) The Poetry of the Alliterative Revival
ENGL 409 (1.5) The Bible in English
ENGL 440 (1.5) History of the English Language
ENGL 473 (1.5) Women Writers in English from the Medieval to the Augustan Age
FREN 425A (1.5) History of the Language: I
FREN 425B (1.5) History of the Language: II
FREN 440 (1.5 or 3) Medieval Literature
FREN 441 (MEDI 441) (1.5) Medieval Arthurian Romance
GERS 411 (1.5) Medieval German Literature
HIST 320 (1.5 or 3) Seminar in Medieval England
HIST 320A (1.5 or 3) Crime and Criminality in Medieval England
HIST 320B (1.5 or 3) Medieval London
HIST 380A (1.5 or 3) Seminar in Medieval Europe
HIST 380D (1.5 or 3) Individual, Family and Community in Medieval Society
HIST 380E (1.5 or 3) Medieval Foundations of the Western Legal Tradition
HIST 380F (1.5 or 3) Murder and Mayhem in Medieval Europe
HA 321 (1.5) Late Classical 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 or 3) Advanced Seminar in Islamic Art and Civilization
ITAL 470 (1.5) Dante's Divine Comedy (in English)
ITAL 472A (1.5) Boccaccio's Decameron (in English)
ITAL 472B (1.5) Francis Petrarah: His Life as Literature (in English)
MUS 311A (1.5) Music of the Medieval Period
PHIL 305 (3.0) 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

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 300A (1.5) Kinship and Marriage
ANTH 300B (1.5) Comparative Social Structure
ANTH 300C (1.5) Complex Societies in Cross Cultural Perspective

ANTH 304 (1.5) Technology in Culture
ANTH 305 (1.5) Anthropology of the Arts
ANTH 306 (1.5) Folklore and Mythology
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 and Roman 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 346 (1.5) Roman Law and 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 480 (1.5) Seminars in Ancient History and Archaeology

HA 317 (1.5) Art and Architecture of the Roman World
HA 358 (1.5) Islam and Asia
HA 371 (1.5) Early Chinese Art

HA 373 (1.5) Early Japanese Art and Architecture
HA 450 (1.5) Advanced Seminar in Islamic Art and Architecture

HIST 433 (1.5) Pre-Modern China
HIST 435 (1.5) Feudalism in Japan: The Way of the Warrior from the 12th to the 19th Century

JAPA 302B (1.5) Japanese Literature in Translation: The Middle Ages and the Early Modern Period (1185-1867)

LATI 301 (1.5) Vergil
LATI 302 (1.5) Livy and Horace
LATI 303 (1.5) Cicero and Lucretius
LATI 304 (1.5) Ovid and Seneca

LATI 401 (1.5) Roman Elegy and Lyric
LATI 402 (1.5) Roman Drama
LATI 403 (1.5) Roman Historians
LATI 404 (1.5) Roman Satire

LATI 405 (1.5) Roman Philosophical and Rhetorical Literature

LATI 406 (1.5) Roman Epic

PHIL 301 (1.5) Plato
PHIL 303 (1.5) Aristotle

Department of Pacific and Asian Studies

Michael Bodden, BA, MA, PhD (Wis, Madison), Associate Professor and Chair of the Department

Daniel J. Bryant, BA PhD (Brit Col), Professor

Yuen-fong Woon, BA, MA (HK), PhD (Brit Col), Professor

Leslie Butt, BA (Trent), MA (Simon Fraser U), PhD (McGill), Associate Professor

Richard King, BA, MA (Cantab), PhD (Brit Col), Associate Professor

M. Cody Poullon, BA, MA, PhD (Tor), Associate Professor

Beng-Lan Goh, BSocSc (U Science Malaysia), MA (Ochanomizu National Women's U, Tokyo), PhD (Monash), Assistant Professor

Timothy Iles, BA, MA (Brit Col), PhD (Tor), Assistant Professor

Vivian Pui Yin Lee, BA, MA (HK), PhD (Brit Col), Assistant Professor

R. Christopher Morgan, BA, MA (U of Vic), PhD (ANU), Assistant Professor

Hiroko Noro, BA, MA (Aoyama Gakuin), PhD (Tor), Assistant Professor

Yasuko France, BA (Toyo), MEd (Mass), Senior Instructor

Naozumi K elucidation, BA (Tokyo Women's Christian), MA, MFA (Mass), MA (Brit Col), Senior Instructor

Karen Kai-Ying P. Tang, BA (National Taiwan Normal U), MA (Brit Col), Senior Instructor

Visiting, Adjunct and Cross-listed Appointments

James A. Boutillier, BA (Dal), MA (McM), PhD (Lond), Adjunct Professor

Harry Hsin-i Hsiiao, BA (Tunghai), MA, PhD (Harv), Associate Professor Emeritus

Jordan Paper, AB (Chicago), MA, PhD (Wis, Madison), Adjunct Professor

David Chuenyan Lai, BA, MA (HK), PhD (Lond), Adjunct Professor

Joe B. Moore, BA (Wyo), MA (Calif-Berk), PhD (Wis), Associate Professor Emeritus

PACIFIC AND ASIAN STUDIES PROGRAMS

The Department of Pacific and Asian Studies offers the following programs leading to the degree of Bachelor of Arts:

- Pacific Studies (Honours, Major, General/Minor)
- Chinese Studies (General/Minor)
- Japanese Studies (General/M ior)
- Southeast Asian Studies (General/Minor)

The programs in Pacific and Asian Studies stress the development of analytical and critical faculties, as well as academic skills such as research and writing. Like all undergraduate programs in the Humanities Faculty, they are not aimed at providing students with vocational training or specific job skills. What the programs do provide is:

- Basic communication skills in Chinese, Japanese or Indonesian/Malay
- An appreciation of the culture, literature, theatre and other arts of the Pacific and Asian region
- A knowledge of the history, economy, societies and politics of the area

Co-operative Education Program

Please see page 133.

Admission to Courses

Students are advised that because of limited staff and facilities it may be necessary to restrict enrollment in some courses in Chinese, Japanese, Southeast Asian Studies or Pacific Studies programs.

Students proceeding toward a Major or General degree in Pacific 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 100B or 150 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 whose first language is Japanese or any form of Chinese (Mandarin, Cantonese, etc.) should consult the statements on “native speakers” at the head of the course listings (see page 306 for JAPA courses; see page 238 for CHIN courses).

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.

PACIFIC STUDIES PROGRAM REQUIREMENTS

The Interdisciplinary Pacific Studies Program is designed to provide a concentration to be used
for both general education and professional purposes. Its initiation stems from Canada's rapidly developing interest in the Pacific area, the location of Victoria in relation to the Pacific and a recognition that Canadians can only benefit from knowing more about the region.

The Department offers General/Minor, Major and Honours Programs in Pacific Studies. All Majors must at the beginning of the third year complete a program planning form. All students must declare their degree program with the Faculty of Humanities Academic Advising Centre to define the course selection plan for the particular concentration. If there is a specific problem in course selection, the Department Adviser should be consulted.

Honours Program in Pacific Studies Concentrations

The Honours Program offers students the opportunity to deepen their understanding of a selected area in Pacific Studies through additional course work and to apply that understanding in a fourth-year honours tutorial (PACI 490A and 490B) through writing an honours research essay of at least 10,000 words. Students interested in the Honours Program should consult with the Pacific Studies Honours Adviser before making application.

Honours students must present 24.0 units of PACI/CHIN/JAPAN/SEA courses numbered 300 and above. The Program requires:

1. Satisfaction of the requirements for one of the areas of concentration in the Pacific Studies Major Program, including completion of PACI 390 with at least a B+

2. 9.0 additional units, selected from the upper-level offerings of the Department or the Related Courses list, distributed as follows:
   - 1.5 units of PACI 325, 390 or 392
   - 3.0 units of upper-level language selected from CHIN 310A, 320, 420 for native speakers, or 310A, 349, 480 for non-native speakers, JAPA 311, 312, 313, 314, 315, 480, SEA 481 (Indonesian/Malay), FREN 300
   - 1.5 units of PACI 490B

Students may apply for admission to the Honours Program in the spring term of their second year or in the fall term of their third year. Admission requires:

1. A grade of at least B+ in PACI 210 (or 200A and 200B) and PACI 290

2. Written permission from a Pacific Studies faculty member willing to act as research adviser for the PACI 490B essay

3. Approval of the proposed program of courses by the Honours Adviser

Continuation in the Honours Program requires maintenance of an overall GPA of B+ for upper-level courses.

Major Program

The Major in Pacific Studies provides two concentrations: Pacific Area Studies and Language and Literature Studies. These concentrations include core courses for all students and specific requirements for students to develop their specialization. Students in the Pacific Area Studies Major Program can choose to specialize in China, Japan, Oceania or Southeast Asia. Students in the Pacific Language and Literature Major Program can choose to specialize in China, Japan or Southeast Asia. The requirements for these studies are listed below. Note that students taking a Major in one concentration in Pacific Studies cannot also take a Major in any other concentration. Note also that students taking a Major in Pacific Studies cannot simultaneously obtain a Minor in Pacific Studies in the same geographical area.

Requirements Common to All Concentrations

PACI 210
PACI 290

Pacific Area Studies Concentration Specific Requirements

China Area Concentration
PACI 319A and 319B
3.0 units selected from one of the following sequences:
   - PACI 321A and 321B
   - PACI 323A and 323B
   - PACI 328A and 328B

PACI 325, 390, or equivalent
A China or Taiwan Seminar (PACI 417, 420)

PACI 490A or 443
9.0 units selected from CHIN 220, 310A, 320, 420 for native speakers or from CHIN 149, 150, 249, 310A, 349, 480 for non-native speakers.

3.0 units selected from CHIN 303, 304, 305, 306, 307, 461

Japan Area Concentration
PACI 321A and 321B
3.0 units selected from one of the following sequences:
   - PACI 319A and 319B
   - PACI 323A and 323B
   - PACI 328A and 328B

PACI 325, 390, or equivalent
A Japan Seminar (PACI 422, 440)

PACI 490A or 443
9.0 units selected from PACI 149, 150, 249, 311, 321, 313, 314, 315, 480, SEA 481 (Indonesian/Malay), FREN 300

Oceania Area Concentration
PACI 328A and 328B
3.0 units selected from one of the following sequences:
   - PACI 319A and 319B
   - PACI 321A and 321B
   - PACI 323A and 323B

PACI 325, 390, or equivalent
An Oceania or Australasia Seminar (PACI 413, 414)

Southeast Asia Area Concentration

PACI 323A and 323B
3.0 units selected from one of the following sequences:
   - PACI 319A and 319B
   - PACI 321A and 321B
   - PACI 328A and 328B

PACI 325, 390 or equivalent
A Southeast Asia Seminar (PACI 411, 412)

PACI 490A or 443
9.0 units of SEA 100A and 100B, 200, 201A and 201B

3.0 units of SEA 300 or (if SEA 300 is not available) selected from SEA 302A, 302B, 320, 324, 481

Pacific and Asian Languages and Literatures Studies Concentration Specific Requirements

Chinese Language and Literature Concentration

For native speakers: 9.0 units of language: CHIN 220, 320, 420 (can be taken twice on different topics); or for non-native speakers: 9.0 units of language: CHIN 149, 150, 249

3.0 units selected from CHIN 303, 304, 305, 306, 307

1.5 units of upper-level literature and culture courses from a secondary area selected from JAPA 302A, 302B, 303A, 303B, 320A, 320B, 324A, 324B, 358, 359, 396, 403A, 403B, or SEA 302A, 302B, 320, 324

3.0 units of PACI 319A and 319B

PACI 392

For native speakers: 3.0 additional units of upper-level courses on China selected in consultation with the Program Adviser; for non-native speakers: 3.0 additional units of upper-level language courses selected from CHIN 310A, 349, 480

3.0 units selected from CHIN 461, 481, 490

Japanese Language and Literature Concentration

9.0 units of Japanese language selected from JAPA 419, 150, 249, 311 (native speakers may substitute other Japan-related courses in consultation with the Program Adviser)


3.0 units of PACI 319A and 319B

PACI 392

3.0 additional units of upper-level language
Courses selected from JAPA 312, 313, 314, 315, 480. (Native speakers may substitute other upper-level courses in consultation with the Program Adviser.)

3.0 units selected from JAPA 396, 403A, 403B, 481, 490

Southeast Asian Language and Literature Concentration
9.0 units of Indonesian/Malay: SEA 100A and 100B, SEA 200, SEA 201A and 201B
3.0 units selected from SEA 302A, 302B, 320, 324
3.0 units of PACI 323A and 323B PACI 392
3.0 units of SEA 300 (3.0 units selected from HA 330A, 330B, PACI 411, 412 may be substituted for SEA 300 if the latter is not available)
3.0 units selected from HA 430, 431, 432, SEA 481

General/Minor Program in Japanese Studies
Please see the CHIN course listings (page 238) for definition of “native speaker.”

Course Requirements (Native speakers of Chinese)
First and Second Years
6.0 units selected from CHIN 201A, 201B, 220, 320, 420
Third and Fourth Years
9.0 additional units of upper-level courses on China (may include a second 420 on a different topic) chosen in consultation with the Program Adviser. Native speakers of Chinese may not include more than 9.0 units of eligible Chinese language courses (i.e., CHIN 220, 310A, 320, 420, 461) in fulfilling the requirements of the General Program in Chinese Studies. Students are reminded that many upper-level non-language courses on China have prerequisites that must be satisfied before registration.

Course Requirements (Non-native speakers of Chinese)
First and Second Years
CHIN 149, 150, 249
Third and Fourth Years
9.0 additional units of upper-level courses on China chosen in consultation with the Program Adviser.

General/Minor Program in Japanese Studies
Course Requirements
9.0 units of Japanese language courses: JAPA 149, 150, 249 (native speakers may substitute other Japan-related courses in consultation with the Program Adviser);
9.0 units of courses numbered 300 or above related to Japan and chosen in consultation with the Program Adviser.

General/Minor Program in Asian Studies
Course Requirements

First and Second Years
PACI 210
PACI 290
One of PACI 280, CHIN 201A, 201B, JAPA 201A, 201B, SEA 201A, 201B

Third and Fourth Years
Any two of the four sequences listed below:
- PACI 319A and 319B
- PACI 312A and 312B
- PACI 323A and 323B
- PACI 328A and 328B

Any two of the following seminar courses:
PACI 412, 413, 414, 416, 417, 420, 422, 440, 443, 481

General/Minor Program in Southeast Asian Studies
Course Requirements

First Year
SEA 100A and 100B
Second Year
SEA 200, 201A and 201B
Third and Fourth Years
SEA 300
6.0 additional units of 300- and 400-level courses related to Southeast Asia to be chosen from SEA 302A, 302B, 320, 324, 481, PACI 323A, 323B, 411, 412, ANTH 329, HA 333A, 333B, 359

Recommended Electives
The following courses have content significant to the Pacific Studies Program and are highly recommended as electives to students in this program. Students must ensure that they have the prerequisites stipulated for these courses.

ANTH 326 (1.5) Ethnology of Oceania: Micronesia and Polynesia
ANTH 327 (1.5) Ethnology of Oceania: Australia and Melanesia
ANTH 329 (1.5) Ethnology of Southeast Asia
ECON 328 (1.5) Economic History of the Pacific Rim
ECON 428 (1.5) The Postwar Japanese Economy
ENGL 250 (1.5) Contexts of Literature
GEOG 344 (1.5) Urban Problems of Pacific Rim Developing Countries
GEOG 382 (1.5) Geography of Southeast Asia
GEOG 384 (3.0) Geography of Japan
HA 230 (1.5) Monuments of South and Southeast Asia
HA 251 (1.5) Middle Eastern Civilization: Islam
HA 270 (1.5) Religion, Philosophy, and the Arts in China and Japan
HA 333A (1.5) Early Arts of Southeast Asia
HA 333B (1.5) Later Arts of Southeast Asia
HA 338 (1.5) Special Topics in Premodern Asian Art
HA 371 (1.5) Early Chinese Art
HA 372A (1.5) Later Chinese Art: Part 1
HA 372B (1.5) Later Chinese Art: Part 2
HA 373 (1.5) Early Japanese Art

HA 374 (1.5) Later Japanese Art
HA 430 (1.5) Advanced Seminar in the Arts of South and/or Southeast Asia
HA 470 (1.5) Advanced Seminar in East Asian Art
HA 471 (1.5) Advanced Seminar in the History of Chinese Painting
HA 474 (1.5) Advanced Seminar in the Popular Culture of Pre-Modern Japan
HIST 105 (3.0) Introduction to 20th Century World History
HIST 253 (1.5) Introduction to Chinese Civilization Before 1840
HIST 254 (1.5) Introduction to Chinese Civilization Since 1840
HIST 255 (1.5) The Origins of Modern Japan
HIST 256 (1.5) Japan in the 20th Century
HIST 257 (1.5) Introduction to the Civilization of India
HIST 434A (1.5) Late Imperial China
HIST 434B (1.5) Twentieth Century China
HIST 435 (1.5) Feudalism in Japan: The Way of the Warrior from the 12th to the 19th Century
HIST 436A (1.5) Rise and Fall of Imperial Japan
HIST 436B (1.5) Japan’s Postwar Economic History
HIST 438 (1.5) Topics in East Asian History
HIST 439 (1.5) Seminar in East Asian History
LING 364 (1.5) Languages in the Pacific Area
POLI 303 (1.5) Political Thought in East Asia
POLI 318 (1.5) Government and Politics in East Asia
POLI 416 (1.5) State, Revolution and Reform in East Asia

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
Charles G. Morgan, BS (Memphis St), MS, PhD (Johns H), MSc (Alb), MSc (U of Vic), Professor
Jeffrey E. Foss, BA (Alta), MA, PhD (W Ont), Professor
James H. Tully, BA (UBC), PhD (Cambridge), Professor
Monika Langer, BA, MA, PhD (Tor), Associate Professor
Colin Macleod, BA (Queen’s), MA (Dalhousie), PhD (Cornell), Associate Professor
David Scott, BA, MA (Memorial), PhD (Reading), Associate Professor
Jan Zwicky, BA (Calg), PhD (Tor), Associate Professor
Cindy L Holder, BA (McGill), MA (Dal), PhD (Arizona), Assistant Professor
**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 211 for further information.

**Program Planning**

Students planning to take a Major or Honours degree in Philosophy should, if possible, complete PHIL 100 in their first year. They are strongly advised to satisfy the logic requirement (PHIL 201 and 203, or 304A and 304B) by the end of their second year at the very latest. Students are advised that some 200-level courses (PHIL 201, 203, 211, 220, 240, 250) are prerequisites for advanced courses. Students should aim to take, in their second year, the 200-level courses which are prerequisites for courses in the stream (see annual Departmental Handbook) in which they intend to specialize. Students interested in the Major or Honours program are strongly encouraged to discuss their plans with the Department's undergraduate adviser.

**Department of Women's Studies**

Sikata Banerjee, BA (Dartmouth), MA (Deny), PhD (Wash), Associate Professor and Chair of the Department

Christine S. Peter, BA (Tor), MA (York), PhD (Tor), Professor

Annalee Lepp, BA (Winnipeg), MA (Manitoba), PhD (Queen's), Associate Professor

Christine Welsh, BA (Regina), Associate Professor

Jo-Anne Lee, BA (S Fraser), MA (Brit Col), PhD (Sask), Assistant Professor

Jean Bobby Noble, BA, MA (Alberta), PhD (York), Assistant Professor

**Honours Program**

30 units of courses in Philosophy comprising:

- PHIL 100: Introduction to Philosophy
- either PHIL 201 and 203: Applied Logic I and II or PHIL 304A and 304B: Theoretical Logic I and II
- PHIL 335: Moral Philosophy
- PHIL 306: The Rationalists
- PHIL 310: The Empiricists and Kant
- PHIL 301: Plato and PHIL 303: Aristotle
- PHIL 499: Philosophy Honours Seminar

10.5 additional units in Philosophy (at least 3 in courses numbered 400 or higher, and at least an additional 3 in courses numbered 300 or higher, including only one of PHIL 330, 331, 333, 381 (formerly 379)). PHIL 337 may not be taken for credit towards a Philosophy Honours degree.

**Graduation Standing**

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. To obtain Honours “With Distinction,” a student must have:

1. a graduating average of 6.5 or higher
2. at least a 6.5 average in all credit courses taken in Philosophy
3. an average of at least 7.0 in all 300- and 400-level courses in Philosophy

Upon completing the program, any student who meets requirement 1 but not 2 or 3 has the option of graduating with a Major “With Distinction” instead of with Honours.

**Co-operative Education Program**

Please see page 133.

**Program Requirements**

*Honours Program*

21 units of courses in Philosophy comprising:

- PHIL 100: Introduction to Philosophy
- either PHIL 201 and 203: Applied Logic I and II or PHIL 304A and 304B: Theoretical Logic I and II
- PHIL 335: Moral Philosophy
- either PHIL 306: The Rationalists or PHIL 310: The Empiricists and Kant
- PHIL 301: Plato and PHIL 303: Aristotle
- 6 additional units in Philosophy numbered 300 or higher, including only one of PHIL 330, 331, 333, 381 (formerly 379)

PHIL 337 may not be taken for credit towards a Philosophy Major degree.

**General and Minor Programs**

9 units of courses in Philosophy numbered 300 or above with all prerequisites satisfied.

**Major Program in Women's Studies**

Students may combine the requirements of a Major Program in Women's Studies and a Major in a complementary discipline to obtain a Double Major.

**Women's Studies Programs**

Women's Studies offers Honours, Major and General programs leading to a Bachelor of Arts (BA). The interdisciplinary Women's Studies curriculum is designed to introduce students to a diversity of perspectives on women's histories, struggles, experiences and thought. Women's Studies builds on traditional and evolving knowledge and methodologies to integrate many forms of feminist scholarship and activism. Through its course content and teaching strategies, the Department of Women's Studies explores the concerns and experiences of these women traditionally outside the scope of mainstream thought and therefore rendered invisible in descriptions of female experience. This “centering the margins” is part of our ongoing commitment to broadening and deepening feminist understanding of gender.

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 131 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 472-4747.

**Graduate Program**

While the Women's Studies department does not have a graduate program, it offers a course (GS 500) under the auspices of the Faculty of Graduate Studies. This is an advanced seminar in Women's Studies with variable topics. See the UVic Graduate Calendar for the course description.

**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 enrollment 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

21 units of upper-level credit, which must include WS 330A, 400A 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 a complementary discipline to obtain a Double Major.
Major Program Requirements

WS 104
One of WS 203, 204, 205, 206, 207
15 units of upper-level credit, which must include WS 330A, 400A and 400B
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
9 units of upper-level WS credit, which may include WS 330A (recommended)
Students may take more than the required units of Women's Studies courses as electives.

Course Index

<table>
<thead>
<tr>
<th>First Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>WS 104 (1.5) Introduction to Women's Studies</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(Prerequisites are specified under individual course descriptions)</td>
<td></td>
</tr>
<tr>
<td>WS 203 (1.5) Reading Popular Culture</td>
<td></td>
</tr>
<tr>
<td>WS 204 (1.5) Fast Feminisms: Toward a New Politics of Sexuality</td>
<td></td>
</tr>
<tr>
<td>WS 205 (1.5) Women, Food and Culture</td>
<td></td>
</tr>
<tr>
<td>WS 206 (1.5) Globalization and Resistance</td>
<td></td>
</tr>
<tr>
<td>WS 207 (1.5) Indigenous Women in Canada</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(Prerequisites are specified under individual course descriptions)</td>
<td></td>
</tr>
<tr>
<td>Economies, States and Global Issues</td>
<td></td>
</tr>
<tr>
<td>WS 310 (1.5) Power, Work and Justice</td>
<td></td>
</tr>
<tr>
<td>WS 311 (1.5) Sex Work, Trafficking and Human Rights</td>
<td></td>
</tr>
<tr>
<td>WS 313 (1.5) Multiculturalism, Nationalism and Feminism</td>
<td></td>
</tr>
<tr>
<td>WS 314 (1.5) Women, Race and Empire</td>
<td></td>
</tr>
<tr>
<td>WS 319 (1.5) Topics in Economies, States and Global Issues</td>
<td></td>
</tr>
</tbody>
</table>

Power, Identities and Difference

|  |
| 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 327 (1.5) Discerning Masculinities |  |
| WS 328 (1.5) Thinking Whiteness |  |
| WS 329 (1.5) Topics in Power, Identities and Difference |  |

Feminist Theories and Activism

| WS 330A (1.5) Theorizing Feminisms |  |
| WS 334 (1.5) What's Race Got to Do With It? |  |
| WS 336 (1.5) Anti-racist Feminisms and Democratic Futures |  |
| WS 337 (1.5) Theorizing the Contemporary 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: Decolonizing the Screen |  |
| WS 341 (1.5) Narrated Lives: Indigenous Women's Auto/biographies |  |
| WS 342 (1.5) Body, Language and Spirit |  |
| WS 343 (1.5) Topics in Irish Women's Studies |  |
| WS 344 (1.5) Reimagining History in Contemporary Women's Fiction |  |
| WS 349 (1.5) Topics in Film, Literature and Cultural Production |  |

<table>
<thead>
<tr>
<th>Fourth Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(Prerequisites are specified under individual course descriptions)</td>
<td></td>
</tr>
<tr>
<td>WS 400A (1.5) Feminist Research Practices</td>
<td></td>
</tr>
<tr>
<td>WS 400B (1.5) Research Seminar for Independent Project</td>
<td></td>
</tr>
<tr>
<td>WS 450 (3.0) Practising Feminism in the Field</td>
<td></td>
</tr>
<tr>
<td>WS 480 (1.5) Advanced Seminar in Women's Studies</td>
<td></td>
</tr>
<tr>
<td>WS 499 (3.0) Honours Graduating Essay</td>
<td></td>
</tr>
</tbody>
</table>

Graduate Course

| GS 500 (1.5) Special Topics |  |
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 argument, advocacy and other applications of the law.
Faculty and Other Officers

Elizabeth Adjin-Tettey, LLB (Ghana), LLM (Queen's), Diploma in University Teaching (UNB), LLB (Osgoode), Assistant Professor

Benjamin L. Berger, BA (Alberta), LLB (UVic), LLM (Yale), Assistant Professor

John Borrow, BA (Tor) MA (Tor), LLB (Tor), LLM (Djur), Assistant Professor

Gillian Calder, BA (UBC), LLB (UBC), Diploma in University Teaching (UNB), LLM (Osgoode), Assistant Professor

Neil A. Campbell, BA (Hons) (UBC), LLB (UVic), MLS (UBC), Associate Professor and Law Librarian

James L. Cassels, BA (Car), LLB (Western), LLM (California), of the Bar of British Columbia, Professor. On leave

Donald G. Casswell, BSc (Tor), LLB (York), MA (York), of the Bar of Ontario, Professor

M. Cheryl Crane, BA (Sask), LLB (Sask), LLM (CanTab), of the Bar of Saskatchewan, Associate Professor

Maneesh Deekha, BA (McGill), LLB (Tor), LLM (California), Assistant Professor

Gerard A. Ferguson, BA (St Patrick's), LLB (Ott), LLM (NY), of the Bar of Ontario, Professor

Hamar Foster, BA (Queen's), MA (Sus), LLB (UBC), MJur (Auck), FR HistS, of the Bar of British Columbia, Professor

Glenn Gallins, BA (Wisconsin), MS (Wisconsin), LLB (UBC), LLM (London), Associate Professor and Director of the Law Centre Clinical Legal Education Program

J. Donald Galloway, LLB (Edin), LLM (Harv), Professor

Mark R. Gillen, BCom (Tor), MBA (York), LLB (York), LLM (Tor), Professor

Andrew Harding, MA (Oxford), LLM (Singapore), PhD (Monash), Professor

Kim Hart-Wensley, BA (Trent), LLB (UVic), of the Bar of British Columbia, Senior Instructor and Associate Dean of Law

Robert G. Howell, LLB (Well), LLM (Ill), of the Bar of New Zealand, Professor

Rebecca Johnson, BMus (Calg), MBA (Alberta), LLB (Alberta), LLM (Mich), Diploma in University Teaching (UNB), JD (Mich), Judith R. McFadden, Associate Professor

Freya Kodar, BA (McGill), LLB (UVic), LLM (York), PhD (York), Assistant Professor

John R. Kilcucumber, LLB (UVic), LLM (York), of the Bar of British Columbia, Associate Professor

Hester A. Lessard, LLB (Dal), LLM (Calgary), Associate Professor

Maureen A. Maloney, LLB (Warw), LLM (Tor), of the Bar of British Columbia Professor, Director of the Institute for Dispute Resolution

Theodore McDorman, BA (Tor), LLB (Dal), LLM (Dal), of the Bar of Nova Scotia, Professor

John P.S. McLaren, LLB (St And), LLM (Lond), LLM (Mich), LL.D (Calg), of the Bar of Ontario, Lansdowne Professor of Law

R. Michael M'Gonigle, BA (UCB), LLB (Tor), MSc (LSE), LLM, JD (Yale), of the Bar of British Columbia, Professor and Chair in Environmental Law and Policy

Andrew Newcombe, BSc (Hons) (King's College), LLB (UVic), LLM (Tor), Assistant Professor

Martha O'Brien, BA (UVic), LLB (UCH), LLM (Université Libre de Bruxelles), of the Bar of British Columbia, Assistant Professor

Andrew J. Petter, QC, LLB (UVic), LLM (Cambridge), of the Bar of Saskatchewan, Professor and Dean of Law

Andrew J. Pirie, BA (Wat), LLB (Dal), LLM (Well), of the Bar of Ontario, Associate Professor

Heather Raven, BA, LLB (UBC), of the Bar of British Columbia, Senior Instructor

Chris Tollefsen, BA (Queen's), LLB (UVic), LLM (Osgoode) of the Bar of British Columbia, Associate Professor

Mary Anne Waldron, BA (Brandon), LLB (Man), LLM (UBC), of the Bar of British Columbia, Professor. On leave

Jeremy Weber, BA (UBC), LLB (McGill), LLM (Osgoode), Professor

Administrative Staff

April D. Katz, BA, LLB (Man), of the Bar of British Columbia. Co-operative Legal Education Coordinator

Yvonne M. Lawson, BA (McGill), Administrative Officer

Richard McCue, BCom (UVic), Systems Administrator

Jennifer Moroskat, BSc (Alberta), Career Development Officer

Anne Pappas, MA (UBC), BEd, LLB (Windsor), Barrister and Solicitor of Osgoode Hall, Development and External Relations Officer

Janet L. Person, BBA (S Fraser), Admissions Officer

Visiting, Adjunct and Cross-listed Appointments

Adrian Brooks, BA (UVic), LLB (Osgoode), of the Bar of British Columbia, Adjunct Professor

Philip Cook, MA, PhD (Queen's), Adjunct Professor

R. C. (Tino) Di Bella, BA (UVic), LLB (UVic) of the Bar of British Columbia, Adjunct Professor

Nils Jensen, BASc (Ottawa), LLB (Osgoode), LLM (London) of the Bar of British Columbia, Adjunct Professor

Keith Jobson, BA, BEd (Sask), LLB (Dal), LLM, JSD (California) of the Bar of British Columbia, Emeritus Professor

Colin Macleod, BA (Queens) MA (Dalhousie and Cornell), PhD (Cornell), Associate Professor

Sandu K. McCallum, Bjurlis, LLB (Monash), LLM (UBC), of the Bar of British Columbia, Professor Emeritus

Peter Maddalena, QC, BA (Queen's), LLB, MA (Tor), of the Bar of Ontario, Adjunct Professor

Michael Manso, BSc (McGill), Dipl Ed (UBC), LLB (UBC), of the Bar of British Columbia, Adjunct Professor

Maxime Matilpi, LLB (UVic), Director, Academic and Cultural Support Program

Robert A. Mulligan, BA (UVic), LLB (UBC) of the Bar of British Columbia, Adjunct Professor

William R. McIntyre, QC, LLB (Sask), Honorary Professor

William A.W. Neilson, BCom (Tor), LLB (UCH), LLM (Harv), of the Bar of British Columbia, Professor Emeritus

Murray Rankin, BA (Queens), LLB (Toronto), LLM (Harvard) of the Bar of British Columbia, Adjunct Professor

Lyman R. Robinson, QC, BA (Sask), LLM (Sask), LLM (Harv), of the Bar of British Columbia, Professor Emeritus

Jim Tulley, BA (UCH), PhD (Cambridge), Adjunct Professor

Donovan W. M. Waters, QC, FRSC, BA (Oxon), BCL (Oxon), MA (Oxon) PhD (London), DCL (Oxon), LLD (UVic), of the Bar of England and the Bar of British Columbia, Professor Emeritus

E. Jack Woodward, BA (UCH), LLB (UVic), of the Bar of British Columbia, Adjunct Professor

Shelley Wright, BA, LLB (Alberta), LLB (London), Adjunct Professor

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
- Concurrent LLB/Master of Arts in Indigenous Governance
- Concurrent LLB/Master of International Affairs (Columbia)
- LLB/BCL (Civil Law Degree Graduates)

Co-operative Education Program

Please see page 157.

LIMITATION OF ENROLLMENT

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.
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
E-mail: lawadmss@uvic.ca
Web: www.law.uvic.ca

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;
• 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 obtained since June 1991 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 an 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 must have been significantly delayed, interrupted or adversely affected by:
• physical, cultural, economic 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 no 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 Native 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:
Thompsnr@duke.usask.ca
Phone: (306) 966-6189
E-mail: thompsnr@duke.usask.ca

Applications must supply satisfactory evidence of their eligibility to apply in the Aboriginal category.

Applicants Whose First Language is Not English
Applicants to all Faculty of Law programs 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 with a score under 600 (250 on the computerized version) on the TOEFL 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 practise. 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 May 31, but will be accepted up to June 30. Where appropriate, the Faculty may consider applications for entry in January of the Winter Session or May of the Summer Session.

Transfer Student Applications
Applications 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 University 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 enrollment 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 Foreign and Civil Law Degrees
The Faculty of Law will consider applicants who have a Canadian Civil Law degree or 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 Accreditation, which are recog-
nized 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
Faculty of Law, Common Law Section
University of Ottawa
57 Louis Pasteur
Ottawa ON, Canada K1N 9N1
E-mail: vkrishna@uottawa.ca

Registration Information

Completion of Registration

In addition to completing the requirements for admission (see page 152), all students are required to register at the times announced by the Faculty of Law. All new students, by their Letter of Admission, 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 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
Faculty of Law, Common Law Section
University of Ottawa
57 Louis Pasteur
Ottawa ON, Canada K1N 9N1
E-mail: vkrishna@uottawa.ca

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 39); 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 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 Dean's Office of the Faculty of Law; and
• any changes to their address or telephone number are promptly updated on their student record through the UVic Records Services website.

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.

A letter mailed to a student's address as currently on record in the Dean's Office of the Faculty of Law or Records Services 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 in 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. Failure to drop a course which a student does not intend to take will result in a failing grade.

Please refer to page 40 of the Calendar for information on fee reductions 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 Dean or Faculty, 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-enrollment.

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 regulations stated below, students registered in the Faculty are subject to such other general academic regulations of the University as the Senate, on the recommendation of the Faculty, may wish to apply.

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

(see chart at left)
Review of an Assigned Grade
Students are referred to the general University regulations (see page 30) and to the regulations adopted by the Faculty of Law. The following regulations apply to students in the Faculty of Law:

1. Any request for a review of a final grade must normally reach the Associate Dean's office 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 examination paper, such materials will, for the purpose of these procedures, be treated as if they were examination papers.

Standing

Standing in First, Second or Third Year
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 3.0 in the courses not graded on a pass/fail (COM, N, or F) basis.

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.

Standing in the Program
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 on an approved subject with a grade of C+ or better during either the second or third year. The requirement may be satisfied in the context of existing courses.

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 350: 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 order 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) 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 affiliation or other special circumstances.
(b) A request for a Special Examination under subsection (a) must be made in writing to the Associate Dean 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 marks have been released by the 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 early August.
(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 the second and third years, take courses in other departments and schools in the University for credit in the Faculty of Law. Students may not take Summer Studies 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 Dean of Law or the Dean's nominee and the outside instructor in advance of registration for any such course. The approval of the Dean or the Dean's nominee is based upon criteria set out in Faculty regulations.

Students enrolled in the concurrent LLB/MAIG program may take an additional 3 units of MPA 598 in lieu of 3 units of LAW 399.

Students enrolled in the concurrent LLB/MAIG program should refer to the specific Program Requirements for information on taking courses outside the Faculty.

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.

Repetition of a Year
A student who fails to obtain standing in any year may apply to the Faculty 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 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 enroll as part-time students upon being satisfied that a student is unable to continue as a full-time student because of health or physical disability, or 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 350: Law Centre Clinical Program; and
• LAW 353: 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
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).

In order to complete the program requirements, a student must enroll in approved programs for the second and third years which amount to a total of not fewer than 29 units.

**Concurrent LLB/MAIG Program**

A limited number of students who apply and are accepted into both the Law Faculty LLB and the Human and Social Development Faculty's Master of Arts in Indigenous Governance programs may earn both degrees concurrently with modified requirements for each. Students should indicate in both applications that they are applying for the concurrent degree program. For information on the MAIG requirements, please see the *UVic Graduate Calendar*.

The two degrees, if pursued consecutively, would normally require five years of study, whereas the concurrent degree may be completed in 4 years. The first year of the concurrent degree program will be devoted entirely to the first-year LLB curriculum.

A minimum of 53 units of credit will be required to complete the concurrent degree program. The requirements for the concurrent program are as follows:

- the first year of the LLB program (15 units);
- 23 additional units of law courses, including LAW 340: Indian Rights, Land, and Government; LAW 307(B): Civil Procedure; LAW 309: The Law of Evidence; and the Law Faculty's major paper requirement;
- either IG0V 598 or IG0V 599 (6 units), in lieu of the Law Faculty's non-law course option (3 units) and LAW 399 (3 units);
- the Indigenous Governance Core Courses (6 units): IG0V 520, 530, 540, 550; and
- 3 units (300 level and above) outside of Law for inclusion in the graduate program.

Students may be required to complete specific Law or MAIG courses as part of the concurrent degree program when such courses are offered. Students intending to enroll in the concurrent degree program should be aware that scheduling of the program will ordinarily preclude the student’s participation in the Law Co-op Program.

**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 degree 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.

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 44) 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 Law Co-op Coordinator, a student may be permitted to enroll in a maximum of two consecutive Co-op work terms or two consecutive academic terms.

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, or F. The requirements for a pass grade in a Co-op work term include:

1. completion of at least 13 weeks of employment;
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 or N 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 withdraw from the Law Co-op Program, a grade of N 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 be cancelled. If the cause of the withdrawal is not attributable to the student, the Coordinator may recommend 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 to the Committee of the Director, Co-operative Education Program.

If the student is not satisfied with the decision of the 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 (see page 38). Decisions of the Senate Committee on Appeals are final and may not be appealed to the Senate.
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 161).

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

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 160, 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 enrollment 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 at least 3 units of science units that are not equated to specific science courses

LIMITATION ON ENROLLMENT

Admission to Uvic and the Faculty of Science is not a guarantee of placement in particular programs or courses. Departments may limit enrollment for a variety of reasons, and admission requirements may be raised.

STUDENT RESPONSIBILITY

Students are referred to the section Course Selection Responsibility, page 28.

Faculty Admissions

The requirements for admission to the Faculty of Science are presented on page 22. 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.
• Secondary school students planning to enter the Faculty of Science are advised to include Chemistry 12 and Physics 12 in their secondary school programs and to achieve a score of at least 73% in Mathematics 12.

2005-06 UVIC CALENDAR

• An approved Language 11 course (see page 21) 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.

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 36), 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 29 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
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 (see page 38).

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 Assistant Dean, 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 36 and, for a student enrolled in an Honours Program, in conjunction with any Honours requirements specified by the departments concerned.

The designation “With Distinction” will be placed beside the names in the list of graduates distributed at the graduation ceremony, recorded on the certificates of graduation and recorded on the transcripts of students who:

1. have achieved a graduating average of at least 6.5
2. for students enrolled in Honours Programs, have satisfied any additional requirements specified by their Department

Students who complete an Honours Program with a graduating GPA of at least 6.5 but who fail to meet additional requirements of the department to receive the designation “With Distinction” may change their programs in order to graduate from the Major Program with the designation “With Distinction.” Such program changes must be made in writing at the Academic Advising Centre. If a student graduates in a Double Honours Program or in a Joint Honours and Major Program, then the student's eligibility for the designation “With Distinction” will be determined for each of the two programs. The student may, therefore, graduate “With Distinction” in one program and not in the other program.

In cases of plagiarism and cheating, the Faculty of Science reserves the right to recommend to Senate the withdrawal of the “With Distinction” designation in addition to the penalties outlined in the University regulations on academic integrity (see page 31).

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 Assistant Dean through the Chair of the department concerned. Approval is not automatic.

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<tr>
<th>Faculty of Science Programs</th>
<th>Honours Program</th>
<th>Major Program</th>
<th>General Program</th>
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<td>Astronomy</td>
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<td>Statistics</td>
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Note: All Honours and Major programs may be taken with a Co-operative Option.
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 University English Requirement (see page 28).
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 page 159 – Definition of a Science Course).
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

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<tr>
<th>Astronomy</th>
<th>Mathematics</th>
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<td>Biochemistry</td>
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<tr>
<td>Earth Sciences</td>
<td></td>
</tr>
</tbody>
</table>

Combined Honours Programs

Biology and Earth Sciences
Biology and Psychology
Chemistry and Earth and Ocean Sciences
Chemistry and Mathematics
Computer Science and Mathematics
Computer Science and Statistics
Geography and Earth Sciences (Geosciences)
Geography and Earth Sciences (Geotechnics APEGBC)
Mathematics and Statistics
Physics and Astronomy
Physics and Biochemistry
Physics and Computer Science
Physics and Earth Sciences (Geophysics)
Physics and Mathematics
Physics and Ocean Sciences (Physical Oceanography)

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 lists both BA Honours Programs and a BSc Honours 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
Mathematics and Statistics
Chemistry
Computer Science and Geography
Computer Science and Mathematics
Computer Science and Psychology
Computer Science and Statistics
Earth Sciences
Geography and Earth Sciences (Geotechnics APEGBC)
Mathematics and Statistics
Physics and Astronomy
Physics and Biochemistry
Physics and Computer Science
Physics and Earth Sciences (Geophysics)
Physics and Mathematics
Physics and Ocean Sciences (Physical Oceanography)

Combined Major Programs

Biochemistry and Chemistry
Biology and Earth Sciences
Chemistry and Mathematics
Chemistry and Microbiology
Computer Science and Geography
Computer Science and Mathematics
Computer Science and Psychology
Computer Science and Statistics
Earth Sciences
Geography and Earth Sciences (Geosciences)
Geography and Earth Sciences (Geotechnics APEGBC)
Mathematics and Statistics
Physics and Astronomy
Physics and Biochemistry
Physics and Computer Science
Physics and Earth Sciences (Geophysics)
Physics and Ocean Sciences (Physical Oceanography)

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 Record of Degree form (PADRE), 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 Record of Degree Program form (PADRE).

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 the Faculty of Science. The details of the programs are provided under individual department entries.

Microbiology
Biochemistry or Microbiology
Biology
Chemistry
Computer Science
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 (see page 209)
• Film Studies (see page 209)
• Indigenous Studies (see page 210)
• Music (see page 104)

Professional Writing in Journalism and Publishing (see page 109)

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 or higher 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 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 211)
European Studies (see page 210)
Religious Studies (see page 210)
Indigenous Studies (see page 210)

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 Assistant Dean 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 Assistant Dean. The Student-Designed Interdisciplinary Minor form is available from the Academic Advising Centre, A205, University Centre.

Co-operative Education Programs
Refer to page 43 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, each with a minimum duration of 13 weeks. 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 160, 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 and remain enrolled in a Major or an Honours Program.

The Faculty of Science offers Co-operative Education Programs in Biology, Biochemistry and Microbiology, Chemistry, Earth Sciences, Mathematics and Physics. The details of the programs are provided under individual department entries.

Department of Biochemistry and Microbiology
Claire Cupples, BSc (UVic), MSc (Calgary), PhD (York), Professor and Chair of the Department
Juan Austo, BSc, PhD (Barcelona), Professor
J. Thomas Buckley, BSc, PhD (McGill), Professor
Edward E. Ishiguro, BA, MA (San Fran St Coll), PhD (Ill), Professor
William W. Kay, BSc (Agr), MSc, PhD (UBC), Professor
Santosh Misra, BSc, MSc (Delhi), PhD (McMaster), Professor
Francis E. Nato, AB (Oberlin), MS, PhD (Ill), Professor
Verner H. Paetkau, BSc (Alberta), MSc, PhD (Wisconsin), Professor
Terry W. Pearson, BSc, PhD (UBC), Professor
Paul J. Romaniuk, BSc, PhD (McMaster), Professor
Stephen Evans, BSc, PhD (UBC), Associate Professor
Caren C. Helbing, BSc (Hons) (Windsor), PhD (Western), Associate Professor
Christopher Upton, BSc, PhD (Lond), Associate Professor
Alisdair Boraston, BSc, PhD (UBC), Assistant Professor
Barbra Currie, BSc (UBC), Senior Microbiology Laboratory Instructor
John Hall, BSc (UVic), Administrative Officer
Albert Labossiere, Technical Services Manager
Razanne Paulson, BSc, PhD (Wales), Co-operative Education Coordinator
Glen R. Pryhitka, BSc (UBC), Senior Biochemistry Laboratory Instructor
## 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 Major in Biochemistry and Physics. The Department also offers a concentration in Biochemistry or Microbiology as part of the BSc and BA degree General Programs.

### Co-operative Education Program

Please see page 164.

## Program Requirements

### Notes on Course Requirements

- Courses may be taken in different sequences and in different years than indicated provided that the corequisite and prerequisite requirements are satisfied; students should consult the Department.
- Directed studies courses are normally only available to students with a minimum cumulative GPA of 3.0 and fourth-year standing in the Biochemistry/Microbiology program.
- Students should consult the Department concerning courses offered in a particular year.
- Summer offerings of BIOL 300 and 301 cover only the second half of these full-year courses and registration is restricted to co-op students.

### Honours Programs

Students who wish to be admitted to one of the Honours programs should apply to the Chair of the Department on completion of their second year. The general requirements for admission to the third year of the Honours Programs are specified below. Normally admission to the Honours Program requires a GPA of at least 6.5 in each of the first two undergraduate years. The minimum requirement for admission to the fourth year is a GPA of at least 6.5 in the work of the third year plus completion of at least two work terms. All course work (60 units) and four work terms must be completed in five years. If a student fails to meet the standards for the Honours Co-op/Internship designation, the Department may recommend the appropriate Major degree. A student may transfer at any time from the Biochemistry and Microbiology Honours Co-op/Internship program to a regular Biochemistry Microbiology program.

### Double Honours

Double Honours programs are available in Biochemistry or Microbiology.

### Biochemistry Program Requirements

#### Honours Program in Biochemistry

<table>
<thead>
<tr>
<th>First Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 115 or 135</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 190A</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 100 and 101, or 102 and 151</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 101, 102</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYS 102 or 112, or 120 and 220</td>
<td>3.0</td>
</tr>
<tr>
<td>Other courses</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 255 or equivalent</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 213</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>1.5</td>
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<tr>
<td>CHEM 235</td>
<td>1.5</td>
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<tr>
<td>BIOC 200</td>
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<tr>
<td>MIRC 200</td>
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<tr>
<td>Other courses</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Third Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 222</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 245</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOC 300A, 300B</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOC 301</td>
<td>1.5</td>
</tr>
<tr>
<td>MIRC 301</td>
<td>1.5</td>
</tr>
<tr>
<td>MIRC 302</td>
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<tr>
<td>Other courses</td>
<td>4.5</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fourth Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 337 and one of 335, 347, 352, 353</td>
<td>3.0</td>
</tr>
<tr>
<td>Two of BIOC 401, 403, 404</td>
<td>3.0</td>
</tr>
<tr>
<td>Two of MIRC 402, 403, 405</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOC 406</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOC 480</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOC 499</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16.5</strong></td>
</tr>
</tbody>
</table>

1. MIRC 200 replaces BIOL 190B as a prerequisite or corequisite to BIOC 225.

### Fourth Year

<p>| |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>CHEM 337 and one of 335, 347, 352, 353</td>
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<tr>
<td>Two of BIOC 401, 403, 404</td>
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<tr>
<td>Two of MIRC 402, 403, 405</td>
</tr>
<tr>
<td>BIOC 406</td>
</tr>
<tr>
<td>BIOC 480</td>
</tr>
<tr>
<td>BIOC 499</td>
</tr>
<tr>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>

1. MIRC 200 replaces BIOL 190B as a prerequisite or corequisite to BIOC 225.

2. Students in the Biochemistry program are strongly advised to take MATH 100 and 101.

## 2005-06 UVIC Calendar

3. The Physics requirements can be satisfied with a minimum mark of C+ in PHYS 102.


### Major Program in Biochemistry

<table>
<thead>
<tr>
<th>First Year</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>ENGL 115 or 135</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 190A</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 100 and 101, or 102 and 151</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 101, 102</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYS 102 or 112, or 120 and 220</td>
<td>3.0</td>
</tr>
<tr>
<td>Other courses</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 255 or equivalent</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 213</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 235</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOC 200</td>
<td>1.5</td>
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<tr>
<td>MIRC 200</td>
<td>3.0</td>
</tr>
<tr>
<td>Other courses</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 222</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 245</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOC 300A, 300B</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOC 301</td>
<td>1.5</td>
</tr>
<tr>
<td>MIRC 301</td>
<td>1.5</td>
</tr>
<tr>
<td>MIRC 302</td>
<td>1.5</td>
</tr>
<tr>
<td>Other courses</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fourth Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 337 and one of 335, 347, 352, 353</td>
<td>3.0</td>
</tr>
<tr>
<td>Two of BIOC 401, 403, 404</td>
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</tr>
<tr>
<td>Two of MIRC 402, 403, 405</td>
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<tr>
<td>BIOC 406</td>
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<tr>
<td>BIOC 480</td>
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<tr>
<td>Other courses</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

1. MIRC 200 replaces BIOL 190B as a prerequisite or corequisite to BIOC 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.


### General and Minors in Biochemistry

<table>
<thead>
<tr>
<th>First Year</th>
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</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A</td>
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<tr>
<td>MATH 100 and 101, or 102 and 151</td>
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</tr>
<tr>
<td>CHEM 101, 102</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYS 102 or 112, or 120 and 220</td>
<td>3.0</td>
</tr>
<tr>
<td>Other courses</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 255 or equivalent</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>
**Major Program in Microbiology**

**First Year**
- ENGL 115 or 135 ........................................... 1.5
- BIOL 190A ...................................................... 1.5
- MATH 100 and 101, or 102 and 151 ............... 3.0
- CHEM 101, 102 ............................................... 3.0
- PHYS 102 or 112, or 120 and 220 ................. 3.0
- Other courses ................................................ 3.0
- Total ............................................................ 15.0

**Second Year**
- STAT 255 or equivalent .................................. 1.5
- BIOL 225 ......................................................... 1.5
- CHEM 213 ....................................................... 1.5
- CHEM 231 ....................................................... 1.5
- CHEM 235 ....................................................... 1.5
- BIOL 200 ......................................................... 1.5
- MIRC 200 ......................................................... 1.5
- Other courses ................................................ 3.0
- Total ............................................................ 15.0

**Third Year**
- BIOC 300A, 300B ............................................ 3.0
- MIRC 301 ........................................................ 1.5
- MIRC 302 ........................................................ 1.5
- MIRC 303 ........................................................ 1.5
- BIOI 200 ......................................................... 1.5
- MIRC 200 ......................................................... 1.5
- Other courses ................................................ 3.0
- Total ............................................................ 15.0

**Fourth Year**
- Two of BIOC 401, 403, 404 ............................ 3.0
- Three of BIOC 438, MIRC 402, 403, 405 ........ 4.5
- MIRC 406 ........................................................ 3.0
- MIRC 480 ........................................................ 1.5
- Other science electives ................................... 3.0
- Total ............................................................ 15.0

**General and Minors in Microbiology**

**First Year**
- BIOL 190A ...................................................... 1.5
- MATH 100 and 101, or 102 and 151 ............... 3.0
- CHEM 101, 102 ............................................... 3.0
- PHYS 102 or 112, or 120 and 220 ................. 3.0
- Other courses ................................................ 4.5
- Total ............................................................ 15.0

**Second Year**
- STAT 255 or equivalent .................................. 1.5
- BIOL 225 ......................................................... 1.5
- CHEM 213 ....................................................... 1.5
- CHEM 231 ....................................................... 1.5
- CHEM 235 ....................................................... 1.5
- BIOL 200 ......................................................... 1.5
- MIRC 200 ......................................................... 1.5
- Other courses ................................................ 3.0
- Total ............................................................ 15.0

**Third and Fourth Years**
- BIOC 300A, 300B ............................................ 3.0
- MIRC 301 ........................................................ 1.5
- MIRC 302 ........................................................ 1.5
- 3.0 additional units of MIRC ......................... 3.0
- 9.0 units in a second area of concentration ....... 9.0
- Other courses ................................................ 12.0
- Total ............................................................ 30.0

1. MIRC 200 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 Microbiology and Chemistry Program Requirements**

Students wishing to obtain a Combined Major in Microbiology and Chemistry should take the following program.

**Combined Major in Microbiology and Chemistry**

**First Year**
- CHEM 091 and 101, or 1012 ........................... 1.5
- BIOL 190 ........................................................ 1.5
- ENGL 115 or 135 ........................................... 1.5
- One of ENGL 125, 135, 145 ............................ 1.5
- MATH 100, 101 ............................................. 3.0
- PHYS 112 ...................................................... 3.0
- MIRC 200 ......................................................... 3.0
- Electives (may include CHEM 231) ............... 3.0
- Total ............................................................ 15.0

**Second Year**
- CHEM 212, 213, 221, 231, 235, 245 ............... 3.0
- One of MATH 122, 200 (or 205), 201, 233A, 233B, 233C .................................................. 1.5
- MIRC 200 ......................................................... 3.0
- Total ............................................................ 15.0

**Third Year**
- BIOC 300A, 300B ............................................ 3.0
- MIRC 301 ........................................................ 1.5
- CHEM 324, 335, 352, 353, 362, 363 .......... 9.0
- MIRC 301, 302 ............................................... 3.0
- Total ............................................................ 16.5

**Fourth Year**
- Two of BIOC 401, 403, 404 ............................ 3.0
- BIOC 406 ........................................................ 3.0
- BIOC 408 ........................................................ 3.0
- Two of MIRC 402, 403, 405 ......................... 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 220, or PHYS 102 and 120.

**Combined Microbiology and Chemistry Program Requirements**

Students wishing to obtain a Combined Major in Microbiology and Chemistry should take the following program.
One of ENGL 125, 135, 145 ......................................1.5
MATH 100, 101 .........................................................3.0
PHYS 112 .................................................................3.0
Electives (may include CHEM 231) ............3.0
Total ..................................................................15.0

**Second Year**

  BIOC 200 .................................................................1.5
  CHEM 212, 213, 221, 231, 235, 245 .....................9.0
  One of MATH 122, 200 (or 205), 201, 233A, 233B, 233C ..........1.5
  MICR 200 .................................................................3.0
Total ..................................................................15.0

**Third Year**

  BIOC 300A, 300B .....................................................3.0
  BIOC 301 .................................................................1.5
  CHEM 324, 335, 352, 363 ........................................3.0
  MICR 301, 302 ..........................................................3.0
Total ..................................................................16.5

**Fourth Year**

Two of BIOC 401, 403, 404 ........................................3.0
MICR 406 .................................................................3.0
MICR 480 .................................................................1.5
Three of CHEM 318, 347, 361, 364 .......................4.5
Two of MICR 402, 403, 405 ....................................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 220, or PHYS 102 and 120.

**Combined Biochemistry and Physics Program Requirements**

**Combined Honours in Biochemistry and Physics**

**First Year**

  ENGL 115 or 135 ....................................................1.5
  BIOL 150A or 190A ..................................................1.5
  PHYS 112, or 120 and 220 ....................................3.0
  MATH 100, 101 ........................................................3.0
  CSC 110 .................................................................1.5
  Elective .................................................................1.5
Total ..................................................................15.0

**Second Year**

  PHYS 214, 215 ............................................................3.0
  PHYS 216 .................................................................1.5
  PHYS 220 .................................................................1.5
  BIOC 200 .................................................................1.5
  CHEM 231, 235 ........................................................3.0
  MATH 200, 201 ........................................................3.0
  MATH 233A .............................................................1.5
Total ..................................................................15.0

**Third Year**

  PHYS 325 .................................................................1.5
  PHYS 326 .................................................................1.5
  MATH 323 or 325 .....................................................1.5
  MATH 330A, 330B ....................................................3.0
  BIOC 300A, 300B ....................................................3.0
  BIOC 301 .................................................................1.5
  CHEM 213 .................................................................1.5
  CHEM 245 .................................................................1.5
  Elective .................................................................1.5
Total ..................................................................16.5

1. Only for students who took PHYS 112.
2. PHYS 325 is offered in alternate years. If taken in the fourth year, PHYS 323 may be taken in the third year.
3. CSC 242 is strongly recommended.
4. Chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher.

Professor
Patrick von Aderkas, BSc (Guelph), PhD (Manc), Professor
Verena J. Tunnicliffe, BSc (McMaster), MPhil, PhD (Yale), FRSC, Professor
David H. Turpin, BSc (Brock), PhD (W at), Professor
Nigel J. Livingston, BSc (Nott), MSc (Guelph), PhD (Leiden), Professor
Craig W. Hawryshyn, BSc, MSc (Alta), MPhil, PhD (Leiden), Professor
Robert D. Burke, BSc, PhD (Alta), Professor
Ben F. Koop, BS, MS (Texas Tech), PhD (Wayne St), Professor
Kerry R. Delaney, BSc (UBC), MSc (McGill), PhD (UBC), Professor
Kerry R. Delaney, BSc (UBC), MSc (McGill), PhD (UBC), Professor
Barry W. Glickman, BSc, MSc, PhD (Leiden), Professor
Patrick T. Gregory, BSc (Tor), MSc (Man), PhD (Leiden), Professor
Craig W. Hawryshyn, BSc, MSc, PhD (Leiden), Professor
Ben F. Koop, BS, MS (Texas Tech), PhD (Wayne St), Professor
Nigel J. Livingston, BSc (Nott), MSc (Guelph), PhD (UBC), Professor
Aast Mazander, BSc, MSc (Chittagong), PhD (Brock), PhD (UW T), Professor and NSERC Industrial Chair
David H. Turpin, BSc, PhD, FRSC, Professor
Verena J. Tunnicliffe, BSc (McMaster), MPhil, PhD (Yale), FRSC, Professor
Patrick von Aderkas, BSc (Guelph), PhD (Manc), Professor

**BIOCHEMISTRY AND MICROBIOLOGY CO-OPERATIVE EDUCATION PROGRAM**

The Co-operative Education Program in the Faculty of Science is described on page 162.

**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 Spring 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, or F). A student may at any time 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/biocoop/>.

**Department of Biology**

William E. Hinz, BSc (Car), MSc, PhD (Tor), Associate 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. Choy, BSc (Man), MSc, PhD (N Dakota), Professor
Kerry R. Delaney, BSc (UBC), PhD (Princeton), Professor
Barry W. Glickman, BSc, MSc, PhD (Leiden), Professor
Patrick T. Gregory, BSc (Tor), MSc, PhD (Man), Professor
Craig W. Hawryshyn, BSc, MSc, PhD (Leiden), Professor
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Verena J. Tunnicliffe, BSc (McMaster), MPhil, PhD (Yale), FRSC, Professor
Patrick von Aderkas, BSc (Guelph), PhD (Manc), Professor

2005-06 UVIC CALENDAR

FACULTY OF SCIENCE
Adjunct Professor (2002-2005)
Thurston C. Lacalli, BSc (Wash), PhD (UBC), Associate Professor
John P. Dower, BSc (Memorial), PhD (Victoria), Adjunct Professor
Barbara J. Hawkins, BSF (UBC), PhD (Cant), Assistant Professor
David B. Levin, BEs (Wat), MSc (Guelph), PhD (McGill), Associate Professor
Louise R. Page, BSc, MSc (Alta), PhD (Victoria), Associate Professor
Dorothy H. Paul, BA (Radcliffe), DES (Marseille), PhD (Stan), Associate Professor
Robert L. Chow, BSc (Tor), PhD (NYU), Assistant Professor
Perry L. Howard, BSc (Wat), PhD (Tor), Assistant Professor
Réal Roy, BSc (Quebec), PhD (McGill), Assistant Professor
John S. Taylor, BSc, MSc (York), PhD (SFU), 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 (2001-2005)
David C. Creasy, BSc, PhD (Man), Senior Instructor (2001-2005)
Thomas E. Reimchen, BSc (Alta), PhD (Liv), Senior Instructor (2001-2005)
Dawna G. Brand, BSc (Victoria), Senior Laboratory Instructor
Yousaf A. Ehrakim, MSc (York), Senior Laboratory Assistant
Catherine M. Franz, BSc (UBC) Scientific Assistant
Thomas A. Gøre, Senior Scientific Assistant
Janice D. Gough, BSc (Dalhousie), Administrative Officer
Brent E. Gowen, BSc (Man), Senior Scientific Assistant
My Lipton, BSc (Victoria), Scientific Assistant
Gail Mitchell, BSc, M.Ed (Victoria), Senior Laboratory Instructor
Anne Parkinson, BSc, MSc (Victoria), Co-operative Education Coordinator
Ian G. Thornton, BSc, MSc (Victoria), Senior Laboratory Instructor
Neville Winchester, BSc, MSc, PhD (Victoria), Senior Laboratory Instructor
Visiting, Adjunct and Cross-listed Appointments
Joseph A. Antos, BS (N Ill), MA (Mon), PhD (Ore St), Adjunct Professor (2004-2007)
Max L. Bothwell, BA, MA (Calif-Santa Barbara), PhD (Wisconsin), Adjunct Professor (2002-2005)
Michele C. Heath, BS, DIC and PhD (U. of London), Adjunct Professor (2003-2006)
J. Anthony Trofyomow, BSc (Lethbridge), MSc, PhD (Colorado), Adjunct Assistant Professor (2004-2007)
Neville N. Winchester, BSc, MSc, PhD (Victoria), Adjunct Assistant Professor (2002-2005)
Thomas E. Reimchen, BSc (Alta), PhD (Liv), Professor (Limited Term) (2002-2006)
Johan De Boer, Kandidaats DrsEx (Groningen), PhD (Amsterdam), Associate Professor (Limited Term) (2001-2005)
Wolfgang Kusser, BA, PhD (Munich), Associate Professor (Limited Term) (2001-2005)

Biology General Office
Phone: 721-7094 or 721-7095
Fax: 721-7120
E-mail: finnegan@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 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, 313, 334, 338 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. Bamfield Marine Sciences Centre also offers a 7.5 unit Fall Program. Students accepted into this program will have at least third-year standing 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. In addition, winter courses may be offered by Simon Fraser University at Burnaby. Students working towards a University of Victoria degree may be authorized to take these by the Assistant Dean of Humanities, Science and Social Sciences.

Co-operative Education Program
Please see page 170.

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.

Honours Program in Biology
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.

An Honours degree “With Distinction” will be awarded to students obtaining a minimum GPA of 6.5 in 300- and 400-level courses, which must include a minimum grade of A- in BIOL 499. A student who obtains a GPA between 5.5 and 6.49, and a minimum grade of A- in BIOL 499, will receive an Honours in Biology.

A student who obtains a minimum GPA of 6.5 in the 300- and 400-level courses but not in BIOL 499 will have the option of receiving a Major in Biology “With Distinction” provided the student satisfies other requirements for the degree. 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

Core
BIOL 190A ......................................................... 1.5
BIOL 190B ......................................................... 1.5
BIOL 215 .......................................................... 1.5
BIOL 225 .......................................................... 1.5
BIOL 230 .......................................................... 1.5
Total Core ...................................................... 7.5

Upper-level Biology
Minimum of 15 upper-level Biology units chosen by the student ........................................ 15.0
BIOL 460 .......................................................... 1.0
BIOL 499 .......................................................... 3.0
Minimum Biology units ........................................ 26.5

Corequisites
BIOL 200 .......................................................... 1.5
STAT 255 or 260 .................................................. 1.5
CHEM 101, 102 ............................................... 3.0
CHEM 231 .......................................................... 1.5
CHEM 232 or 235 .............................................. 1.5
PHYS 102 or 112 ............................................... 1.5
MATH 100 and 101, or 102 and 151 ............... 3.0
Science electives ................................................. 4.5
Total .......................................................... 19.5
Electives ................................................................ 15.0
Total units ..................................................... 61.0

1. Science electives are any courses offered by the Departments of Biochemistry and Microbiology, Chemistry, Computer Science, Mathematics and Statistics, or 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.

Major Program in Biology

Course Requirements

Core
BIOL 190A ......................................................... 1.5
BIOL 190B ......................................................... 1.5
BIOL 215 .......................................................... 1.5
BIOL 225 .......................................................... 1.5
BIOL 230 .......................................................... 1.5
Total Core ...................................................... 7.5

Upper-level Biology Courses
Minimum of 15 upper-level Biology units chosen by the student ........................................ 15.0
Minimum Biology units ........................................ 22.5

Corequisites
BIOL 200 .......................................................... 1.5
STAT 255 or 260 .................................................. 1.5
CHEM 101, 102 ............................................... 3.0
CHEM 231 .......................................................... 1.5
CHEM 232 or 235 .............................................. 1.5
PHYS 102 or 112 ............................................... 1.5
MATH 100 and 101, or 102 and 151 ............... 3.0
Science electives ................................................. 4.5
Total .......................................................... 19.5
Electives ................................................................ 18.0
Total units ..................................................... 60.0

1. Science Electives are any courses offered by the Departments of Biochemistry and Microbiology, Chemistry, Computer Science, Mathematics and Statistics, or 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.

General Program in Biology

BSc General
BIOL 190A, 190B............................................. 3.0
One of BIOL 215, 225, 230 .................................. 1.5
BIOL courses numbered 200 or above including 9 units of 300 or above .................................. 10.5
Total BIOL ..................................................... 15.0

Corequisites
PHYS 102 or 112 ............................................... 3.0
CHEM 100 or 101 ............................................. 1.5
CHEM 102 or 231 ............................................... 1.5
MATH 100 and 101, or 102 and 151 ............... 3.0
Electives (including 9 units of 300 or above in second area of concentration) ....................... 36.0
Total units ..................................................... 60.0

BA General
BIOL 190A, 190B............................................. 3.0
One of BIOL 215, 225, 230 .................................. 1.5
BIOL courses numbered 200 or above including 9 units of 300 or above .................................. 10.5
Total BIOL ..................................................... 15.0

Corequisites
CHEM 100 or 101 ............................................. 1.5
CHEM 102 or 231 ............................................... 1.5
Electives (including 9 units of 300 or above in second area of concentration) ....................... 42.0

2005-06 UVIC CALENDAR
### Minor in Biology

A student may receive a Minor in Biology by completing all courses required for the General Program (see above) in conjunction with the requirements for an Honours or Major Program offered by another Department (which need not be in the Faculty of Science).

### Suggested Course Schedules

#### Honours Program

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
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<tbody>
<tr>
<td>CHEM 3.0</td>
</tr>
<tr>
<td>PHYS 3.0</td>
</tr>
<tr>
<td>MATH 3.0</td>
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<tr>
<td>BIOL 190A, 190B 3.0</td>
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<tr>
<td>Electives 3.0</td>
</tr>
<tr>
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<table>
<thead>
<tr>
<th>Second Year</th>
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<tbody>
<tr>
<td>BIOL 215 1.5</td>
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<tr>
<td>BIOL 225 1.5</td>
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<tr>
<td>BIOL 230 1.5</td>
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<tr>
<td>BIOC 200 1.5</td>
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<tr>
<td>STAT 255 1.5</td>
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<tr>
<td>Science elective 1.5</td>
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<td>Electives 3.0</td>
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<td><strong>Total</strong> 15.0</td>
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<table>
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<tr>
<th>Third Year</th>
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<tbody>
<tr>
<td>BIOL elective 9.0</td>
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<tr>
<td>Science elective 3.0</td>
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<tr>
<td>Electives 3.0</td>
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<th>Fourth Year</th>
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<td>BIOL 215 or 225 1.5</td>
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<td>Electives 13.5</td>
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<table>
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<tr>
<th>Environmental Emphasis</th>
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<tbody>
<tr>
<td>BIOL 215 1.5</td>
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<tr>
<td>BIOL 225 1.5</td>
</tr>
<tr>
<td>BIOC 200 1.5</td>
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<tr>
<td>EOS 201, 205 3.0</td>
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<tr>
<td>CHEM 231 1.5</td>
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<tr>
<td>CHEM 245 1.5</td>
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<tr>
<td>MATH 201, 205 3.0</td>
</tr>
<tr>
<td>Electives 1.5</td>
</tr>
<tr>
<td><strong>Total</strong> 15.0</td>
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<table>
<thead>
<tr>
<th>Paleontology Emphasis</th>
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</thead>
<tbody>
<tr>
<td>BIOL 215 1.5</td>
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<tr>
<td>BIOL 225 1.5</td>
</tr>
<tr>
<td>BIOC 200 1.5</td>
</tr>
<tr>
<td>EOS 201, 205 3.0</td>
</tr>
<tr>
<td>CHEM 231 1.5</td>
</tr>
<tr>
<td>CHEM 245 1.5</td>
</tr>
<tr>
<td>MATH 201, 205 3.0</td>
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<tr>
<td><strong>Total</strong> 15.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Combined Biology and Earth Sciences Program Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Notes on Course Requirements</strong></td>
</tr>
<tr>
<td>1. Students are encouraged to seek advice regarding their course schedules from the Undergraduate Adviser or Faculty.</td>
</tr>
<tr>
<td>2. The 10.5 units of BIOL 200 level or above in third and fourth years must include 9 units of 300 or above.</td>
</tr>
<tr>
<td>3. The 19.5 units of electives in third and fourth years must include 9 units in second area of concentration.</td>
</tr>
</tbody>
</table>

### Combined Honours Program in Biology and Earth 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 6.0 in the 300 and 400 level courses; and a minimum grade of A- in BIOL 499. An Honours degree, with distinction, will be awarded to students who in addition obtain a minimum graduating GPA of 6.5.

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A or 210, 190B or 220 3.0</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
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</thead>
<tbody>
<tr>
<td>BIOL 215 or 225 1.5</td>
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<tr>
<td>BIOL 230 1.5</td>
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<tr>
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</tr>
<tr>
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<table>
<thead>
<tr>
<th>Third Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL elective 9.0</td>
</tr>
<tr>
<td>Science elective 3.0</td>
</tr>
</tbody>
</table>

**Second Year**

| EOS 110, 120 3.0 |
| PHYS 112 or 102 3.0 |
| CHEM 101, 102 3.0 |
| MATH 100, 101 3.0 |
| **Total** 15.0 |

**Paleontology Emphasis**

| STAT 255 or 260 1.5 |
| BIOL 499 or EOS 499 3.0 |
| BIOL 460 1.0 |
| BIOL 330 1.5 |
| BIOL 370 1.5 |
| EOS 460 1.5 |
| EOS 403 or 425 or 430 1.5 |
| BIOL upper-level electives 7.5 |
| EOS upper-level electives 7.5 |
| Science upper-level electives 3.0 |
| **Total** 30.0 or 31.0 |

**Paleontology Emphasis**

| STAT 255 or 260 1.5 |
| BIOL 499 or EOS 499 3.0 |
| BIOL 460 1.0 |
| BIOL 330 1.5 |
| BIOL 455 1.5 |
| EOS 330 1.5 |
| EOS 460 1.5 |
| BIOL upper-level electives 7.5 |
| EOS upper-level electives 7.5 |
| Science upper-level electives 3.0 |
| **Total** 30.0 or 31.0 |

**Notes on Course Requirements**

1. Students registering for BIOL 499 must also take BIOL 460 (Honours Seminar).
2. Suggested electives include: BIOL 230, 323, EOS 403, 430, 480 for Environmental Emphasis; and BIOL 307, 321, EOS 300, 410 for Paleontology Emphasis.
3. Science electives are any courses offered by the Departments of Biochemistry and Microbiology, Biology, Chemistry, Computer Science, Mathematic-
### Combined Major Program in Biology and Earth Sciences

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>BIOL 190A or 210, 190B or 220</td>
<td>3.0</td>
</tr>
<tr>
<td>EOS 110, 120</td>
<td>3.0</td>
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<tr>
<td>PHYS 112 or 102</td>
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<td>CHEM 101, 102</td>
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<tr>
<td>MATH 100, 101</td>
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<tr>
<td><strong>Total</strong></td>
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**Second Year**

**Environmental Emphasis**

<table>
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<th>Course</th>
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<tr>
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</tr>
<tr>
<td>CHEM 245</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 201, 205</td>
<td>3.0</td>
</tr>
<tr>
<td>Elective</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Paleontology Emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 215</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 230</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 202</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 201, 205</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 231</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 245</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 201, 205</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Third and Fourth Years**

**Environmental Emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 255 or 260</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 330</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 370</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 460</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 403 or 425 or 430</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL upper-level electives</td>
<td>7.5</td>
</tr>
<tr>
<td>EOS upper-level electives</td>
<td>7.5</td>
</tr>
<tr>
<td>Science upper-level electives</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30.0</strong></td>
</tr>
</tbody>
</table>

**Paleontology Emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 255 or 260</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 330</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 455</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 330</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 460</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL upper-level electives</td>
<td>7.5</td>
</tr>
<tr>
<td>EOS upper-level electives</td>
<td>7.5</td>
</tr>
<tr>
<td>Science upper-level electives</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30.0</strong></td>
</tr>
</tbody>
</table>

1. Suggested electives include: BIOL 323, EOS 403, 440, 480 for Environmental Emphasis; and BIOL 307, 321, EOS 300, 410 for Paleontology Emphasis.
2. Science electives are any courses offered by the Departments of Biochemistry and Microbiology, Biology, Chemistry, Computer Science, Mathematics and Statistics, Physics and Astronomy or the School of Earth and Ocean Sciences.
3. Students are encouraged to seek advice regarding their course schedules from the Undergraduate Adviser or Faculty.

### Combined Biology and Psychology Program Requirements

**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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A, 190B (or 210 and 220)</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 100A, 100B</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 210</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 215A</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total core</strong></td>
<td><strong>12.0</strong></td>
</tr>
</tbody>
</table>

**Upper-level Biology and Psychology Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 365</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 404</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 409A</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 432</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 309 or 345 or 409B</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 322</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 345A</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 315 or 415B</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 490 or PSYC 390</td>
<td>1.5</td>
</tr>
<tr>
<td>Upper-level BIOL or PSYC elective</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total BIOL and PSYC units</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

**Minimum Biology and Psychology units**

**27.0**

**Other Requirements**

3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 125, 135, 145, 215 and 3 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 261 and MATH 100 or 102 or 151 and CHEM 101 and 102 and CHEM 231 and either 232 or 235 and BIOL 200 and PHYS 102 or 112 and CSC 100 or 105 and **Total Other Requirements**

**19.5**

**Total units**

**60.0 or 61.0**

**Combined Honours in Biology and Psychology**

**Core Course Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A, 190B (or 210 and 220)</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 100A, 100B</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 201</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 210</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 491</td>
<td>1.5</td>
</tr>
</tbody>
</table>

1. Core GPA requirement: For core Psychology courses, the GPA requirements and 6 unit limit on upper-level courses are the same as for regular Psychology programs. Core Biology courses re-
BI0LOGY CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program at UVic is described in general on page 43 and specifically for the Faculty of Science on page 162.

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 continuation 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. Students are also required to satisfactorily complete four Work Terms. 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 alternate. Each Work Term will be recorded on the student's academic record and transcript (as COM, N or F).

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

Thomas M. Fyles, BSc (Victoria), PhD (York), FCIC, Professor and Chair of the Department
Walter J. Balfour, BSc (Aberdeen), PhD (McMaster), DSc (Aberdeen), FCIC, Professor
Corinna L. Bohne, BSc, PhD (Sao Paulo), Professor
Penelope W. Coddington, BSc, PhD (Michigan State), Professor
Keith R. Dixon, BA (Cambridge), PhD (Strathclyde), FCIC, Professor
David A. Harrington, BSc (Canterbury), PhD (Auckland), Professor
Reginald H. Mitchell, BA, MA, PhD (Cambridge), FCIC, Professor
Peter C. Wan, BSc, PhD (Toronto), FCIC, Professor
David J. Berg, BSc (Victoria), PhD (Berkley), Associate Professor
Robin G. Hicks, BSc (Dalhousie), PhD (Guelph), Associate Professor
Gerald A. Poulton, BA, PhD (Saskatchewan), FCIC, Associate Professor
Lisa Rosenberg, BSc (Memorial), PhD (British Columbia), Associate Professor
Frank C.J.M. van Veghel, BSc, PhD (Twente), Associate Professor
Alexandre G. Brolo, BSc, MSc (Sao Paulo), PhD (Waterloo), Assistant Professor
Natia Frank, BA (Annadale-on-Hudson), MSc (Wisconsin), PhD (California), Assistant Professor
J. Scott McInnoin, BSc, MSc, PhD (Waikato), Assistant Professor
Matthew Moffitt, BSc, PhD (McGill), 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
Christine Greenwood, Senior Scientific Assistant
Lawrence Lee, BSc, PhD (Victoria), Coordinator, Co-operative Education Program
Peter Marrs, BSc, PhD (British Columbia), Senior Laboratory Instructor
David L. McGillivray, BSc (Edinburgh), PhD (Ottawa), Senior Scientific Assistant
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

Terecne 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, FRSChem, FCIC, Emeritus Professor
Michael G. Iskonomou, PhD (Alberta), Adjunct Associate Professor
Alexander D. Kirk, BSc, PhD (Edinburgh), FCIC, Emeritus and Adjunct Professor
Alexander McAuley, BSc, PhD, DSc (Glasgow), CChem, MRS, Chem, FCIC, Emeritus and Adjunct Professor
Robert N. O’Brien, BSc, MSc (British Columbia), PhD (Manchester) Adjunct Professor
Caroline M. Preston, BSc (McMaster), MA (Carleton), PhD (British Columbia), Adjunct Professor
Paul R. West, BSc, PhD (McMaster), FCIC, Adjunct Associate Professor

Chemistry General Office
Phone: 721-7152
Fax: 721-7147
E-mail: 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 and 3 units of another science are required corequisites. On graduation as a professional 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 and 3 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, both at 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 and B, courses intended for non-scientists who have successfully completed at least 15 units of university credit.

Co-operative Education Program

Please see page 173.

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.
Chemistry Program Requirements

Honours Program in Chemistry

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 091 and 1011, or 1012</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 100, 101</td>
<td>1.5</td>
</tr>
<tr>
<td>PHYS 112</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives (may include CHEM 231)</td>
<td>6.0</td>
</tr>
</tbody>
</table>

Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 212, 213, 221, 231, 235, 245</td>
<td>9.0</td>
</tr>
<tr>
<td>3 units of Mathematics or Statistics courses chosen from MATH 200, 201, 205, 233A, 233B, 233C, and STAT 255, 260 (a maximum of 1.5 units of STAT courses may be used to satisfy this requirement)</td>
<td>3.0</td>
</tr>
<tr>
<td>BIUC 200</td>
<td>1.5</td>
</tr>
<tr>
<td>1.5 units of 200-level science courses with the exception of MATH 242, STAT 252, 254</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Third Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 318, 324, 335, 347, 352, 353, 361, 362, 363, 364</td>
<td>15.0</td>
</tr>
</tbody>
</table>

Fourth Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 units of other 400-level CHEM courses, including at least one from each of the following groups</td>
<td>6.0</td>
</tr>
<tr>
<td>CHEM 423, 424, 426, 432, 433, 434, 454, 473</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 411, 447, 455, 458, 459, 475, 476, 477, 480</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 465 and 466</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 499</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
</tbody>
</table>

For students with Chemistry 11 and Mathematics 12 or equivalents.
For students with Chemistry 12 and Mathematics 12 or equivalents.
Physics requirement may also be satisfied by PHYS 120 and 220 or PHYS 102 and 120.
For 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.

Major Program in Chemistry

First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 091 and 1011, or 1012</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 100, 101</td>
<td>1.5</td>
</tr>
<tr>
<td>PHYS 112</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives (may include CHEM 231)</td>
<td>6.0</td>
</tr>
</tbody>
</table>

Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 212, 213, 221, 231, 235, 245</td>
<td>9.0</td>
</tr>
<tr>
<td>3 units of Mathematics or Statistics courses chosen from MATH 200, 201, 205, 233A, 233B, 233C, and STAT 255, 260 (a maximum of 1.5 units of STAT courses may be used to satisfy this requirement)</td>
<td>3.0</td>
</tr>
<tr>
<td>BIUC 200</td>
<td>1.5</td>
</tr>
<tr>
<td>1.5 units of 200-level science courses with the exception of MATH 242, STAT 252, 254</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Third and Fourth Years

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 318, 324, 335, 347, 352, 353, 361, 362, 363, 364</td>
<td>15.0</td>
</tr>
<tr>
<td>Electives</td>
<td>15.0</td>
</tr>
</tbody>
</table>

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 220 or PHYS 102 and 120.

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

Honours Programs

The general requirements for admission to an Honours Program after the second year are shown below.

To graduate with an Honours degree in Chemistry, students must achieve a graduating GPA of at least 5.5.

Honours students who attain a 6.5 graduating GPA and a GPA of 6.5 or higher in all required third- and fourth-year Chemistry courses will be granted an Honours degree “With Distinction.”

Double Honours

In order to qualify for Honours “With Distinction” in Chemistry, a student in a Double Honours Program which includes Chemistry as one of the areas must achieve a GPA of at least 6.5 in all of the third- and fourth-year courses required for Honours Chemistry, and a GPA of at least 6.5 in all of the third- and fourth-year Chemistry courses.

Chemistry Program Requirements

Honours Program in Chemistry

First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 091 and 1011, or 1012</td>
<td>1.5</td>
</tr>
</tbody>
</table>
## FACULTY OF SCIENCE

### Combined Major in Chemistry and Microbiology

**First Year**
- CHEM 091 and 101, or 101¹..............1.5
- CHEM 102........................................1.5
- ENGL 113 (or 135).............................1.5
- One of ENGL 125, 135, 145..................1.5
- MATH 100, 101....................................3.0
- PHYS 112².........................................3.0
- Electives (may include CHEM 231)............3.0

**Second Year**
- BIOC 200...........................................1.5
- CHEM 212, 213, 222, 231, 235, 245.........9.0
- 1.5 units of mathematics chosen from MATH 122, 200, 201, 205,
  233A, 233B, 233C.................................1.5
- MICR 301, 302..................................3.0

**Third Year**
- Two of BIOC 401, 403, 404..................3.0
- MICR 406..........................................3.0
- MICR 480..........................................3.0
- Three of CHEM 318, 347, 361, 364............4.5
- Two of MICR 402, 403, 405..................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 220, or PHYS 102 and 120.

### 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. 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.

A student graduating in the combined Honours program is required to attain a 6.5 or higher graduating GPA and a GPA of 6.5 or higher over the group of required 300- and 400-level courses in Chemistry and Mathematics in order to obtain an Honours degree “With Distinction.”

### Honours Program in Chemistry and Mathematics

**First and Second Years**
- CHEM 091 and 101, or 101¹..............1.5
- CHEM 102........................................1.5
- CHEM 212, 213, 222, 231, 235, 245.........9.0
- CSC 110, 115 (or 242)......................3.0
- MATH 100, 101, 200, 201, 233A, 233C..........9.0
- PHYS 112³.........................................3.0
- BIOC 200...........................................1.5
- 1.5 units of 200-level science courses with the exception of MATH 242, STAT 252, 254...........1.5

**Third and Fourth Years**
- CHEM 347, 352, 353, 364.....................6.0
- CHEM 318 and 361, or 324 and 362,
  or 335 and 363..................................3.0
- CHEM 499.........................................3.0
- Courses numbered 300 or higher chosen from the Mathematics and Statistics Department in consultation with that department..................3.0
- Electives...........................................6.0

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 220 or PHYS 102 and 120.

### Major Program in Chemistry and Mathematics

**First Year**
- CHEM 091 and 101, or 101¹..............1.5
- CHEM 102........................................1.5
- CHEM 212, 213, 222, 231, 235, 245.........9.0
- CSC 110, 115 (or 242)......................3.0
- MATH 100, 101, 200, 201, 233A, 233C..........9.0
- PHYS 112³.........................................3.0
- BIOC 200...........................................1.5
- Electives...........................................1.5

**Third and Fourth Years**
- CHEM 347, 352, 353, 364.....................6.0
- CHEM 318 and 361, or 324 and 362,
  or 335 and 363..................................3.0
- CHEM 499.........................................3.0
- Courses numbered 300 or higher chosen from the Mathematics and Statistics Department in consultation with that department..................3.0
- Electives...........................................6.0

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 220, or PHYS 102 and 120.

### 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

Students who attain a graduating GPA of at least 6.5, and a GPA of at least 6.5 over the group of required 300- and 400-level courses in Chemistry and Earth and Ocean Sciences will be granted an Honours degree “With Distinction.”

**First Year**
- CHEM 091 and 101 and 102, or 101 and 102².3.0
- MATH 100, 101....................................3.0
- PHYS 112, or 120 and 220....................3.0
- EOS 110, 120......................................3.0
- Electives..........................................3.0

**Second Year**
- CHEM 212, 213, 222, 231, 245...............7.5
- MATH 200 or 205, and 201....................3.0
- EOS 201, 205, 240..............................4.5

**Third Year**
- EOS 202, 340, and 310 or 320..............4.5
- CHEM 235, 318, 324, 347, 352..............7.5
- One of CHEM 361, 362, 363, 364.............1.5
- One of EOS 403, 410, 425, 430, 440, 460..................1.5

**Fourth Year**
- Two of EOS 403, 425, 430.................3.0
- CHEM 353, 411..................................3.0
- One of CHEM 361, 362, 363, 364.............1.5
- CHEM 499 or EOS 499.........................3.0
- One of EOS 403, 410, 425, 430, 440, 460..................1.5
- BIOC 200...........................................1.5
- 300- or 400-level CHEM or EOS Elective........1.5

1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.

### Major Program in Chemistry and Earth and Ocean Sciences

**First Year**
- CHEM 091 and 101 and 102, or 101 and 102².3.0
- MATH 100, 101....................................3.0
- PHYS 112, or 120 and 220....................3.0
- EOS 110, 120......................................3.0
- Electives..........................................3.0

**Second Year**
- CHEM 212, 213, 222, 231, 245...............7.5
- MATH 200 or 205, and 201....................3.0
- EOS 201, 205, 240..............................4.5

**Third Year**
- EOS 202, 310 or 320, and 340...............4.5
- CHEM 235, 318, 324, 347, 352..............7.5
- One of CHEM 361, 362, 363, 364.............1.5
- One of EOS 403, 410, 425, 430, 440, 460..................1.5

**Fourth Year**
- Two of EOS 403, 425, 430.................3.0
- CHEM 353, 411..................................3.0
- One of CHEM 361, 362, 363, 364.............1.5
- One of EOS 403, 410, 425, 430, 440, 460..................1.5
- BIOC 200...........................................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.
CHEMISTRY CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Science is described on page 162.

Chemistry Co-op Program Requirements

To enter and remain in the Chemistry Co-operative Education Program, students must normally maintain a B average (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 must include work with at least three different employers.
2. Two consecutive work terms (totaling 8 months) may be included with permission, but not for the first work-term experience.
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 normal sequence in the fall of the second year might find it impossible 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 or F). 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 (Dalhousie), Professor and Director of the School
Christopher R. Barnes, BSc (Birm), PhD (OTT), CM, FRSC, PGeo, Professor and Project Director, NEPTUNE
Dante Canil, BSc (Windsor), PhD (Alta), Professor
N. Ross Chapman, BSc (McM), PhD (UBC), Professor and Director of Centre for Earth and Ocean Research (CEROR)
Stanley E. Dossa, BSc, MSc (UVic), PhD (UBC), Professor
Christopher J.R. Garrett, BA, PhD (Can tab), FRSC, FRSC, Lansdowne Professor of Ocean Physics
Eric Kunze, BSc (UBC), Ph.D. (Wash), FRSC, Professor (Canada Research Chair)
Thomas E. Pedersen, BSc (UBC), Ph.D. (Edin), FRSC, Professor and Dean of Science
George D. Spence, BSc (Calgary), MSc, PhD (UBC), Professor
Verena J. Tunnin, 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. Whittan, BSc (UBC), PhD (Christian Albrechts), Professor
John E. Dowler, BSc (Memorial), PhD (UVic), Associate Professor
Stephen Johnston, BSc (McGill), MSc, PhD (Alta), Associate Professor
Eileen Van der Flier-Keller, BA (Dublin), PhD (W Ont), Associate Professor
Laurence Coogan, BSc (Liverpool), PhD (Leicester), Assistant Professor
Jay Callen, BSc (McGill), PhD (Rutgers), Assistant Professor
Katrin Meissner, PhD (Bremen), Assistant Professor
Adam Monahan, BSc (Calg), MSc, PhD (UBC), Assistant Professor
Vera Pospelova, PhD (McGill), Assistant Professor
Kevin Telmer, BSc (W Ont), PhD (Ottawa), Assistant Professor
Diana E. Varela, BSc (UNS, Arg), MA (Boston), PhD (UBC), Assistant Professor

Professional Staff

Peter M. Cross, BSc (UVic), Coordinator, Co-operative Education Program

John Dorocitz, BEng, MASc (UVic), Senior Systems Administrator
Karen Drysdale, BA (Colo), MSc (UBC), Senior Laboratory Instructor (100-level courses)
David Nelles, BSc (UBC), Senior Laboratory Instructor (200-400 level courses)
Joseph Spence, BSc, PhD (UVic), Senior Scientific Assistant

Visiting, Adjunct and Limited Term Appointments

Vivek Arora, BEng (Detroit), MSc (Ireland), PhD (Melbourne), Assistant Professor, Limited Term
J. Vaughn Barrie, BSc, MSc, PhD (Wales), Professor, Limited Term
Melvin E. Best, BSc, MSc (UBC), PhD (MIT), Adjunct Professor
George J. Boer, BSc (UBC), MA (Toronto), PhD (Mass), Professor, Limited Term
Brian Bornhold, BSc (Wat), MA (Duke), PhD (MIT), Professor, Limited Term
Eddy C. Carmack, BSc (Ariz St), PhD (Wash), Professor, Limited Term
John F. Cassidy, BSc (UVic), MSc, PhD (UBC), Associate Professor, Limited Term
William R. Crawford, BSc, MSc (Wat), PhD (UBC), Professor, Limited Term
Kenneth L. Denman, BSc (Calg), MSc, PhD (UBC), Assistant Professor, Limited Term
Richard Dewey, BSc (UVic), PhD (UBC), Associate Professor, Limited Term
Herbert Draggert, BSc (Toronto), MSc, PhD (UBC), Professor, Limited Term
David M. Farmer, BComm, MSc (McGill), PhD (UBC), Professor, Limited Term

2005-06 UVIC CALENDAR

Gregory M. Flato, BSc, MSc (Alta), PhD (Dartmouth College USA), Associate Professor, Limited Term
Howard J. Freeland, BA (Essex), PhD (Dalhousie), Professor, Limited Term
John C. Fyfe, BSc (Regina), PhD (McGill), Associate Professor, Limited Term
Fariborz Goodarzi, BSc (Teheran), MSc, PhD (Newcastle), Professor, Limited Term
John R. Harper, BSc (Mass), MSc, PhD (Louisiana St), Professor, Limited Term
Richard J. Hebda, BSc (McM), PhD (UBC), Professor, Limited Term
Philip Hill, BA (Oxford), PhD (Dalhousie), Associate Professor, Limited Term
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
David Lefebvre, BSc (Queen’s), MSc, PhD (Carleton), Professor, Limited Term
Raymond Lett, BSc (London), MSc (Leicester), PhD (UBC), Professor, Limited Term
Victor Lesvon, BSc (Calgary), MSc, PhD (Alberta), Associate Professor, Limited Term
Rolf G. Luck, BASc, PhD (UBC), Professor, Limited Term
Robie W. Macdonald, BSc, PhD (Dalhousie), Professor, Limited Term
David L. Mackas, BS, MS (Wash), PhD (Dalhousie), Professor, Limited Term
Norman McFarlane, BSc (Alta), MA (McGill), PhD (Michigan), Professor, Limited Term
Fiona McLaughlin, BSc, MSc, PhD (UVic), Assistant Professor, Limited Term
Suzanne Paradis, BScH (UQM), MSc (Montreal), PhD (Carleton), Professor, Limited Term
Garry C. Rogers, BSc (UBC), MSc (Hawaii), PhD (UBC), Professor, Limited Term
Peter Ross, BSc (Trent), MSc (Hawaii), PhD (Utrecht), Associate Professor, Limited Term
John F. Scinocca, BSc, MSc, PhD (Carleton), PhD (Ecole Poly. Montreal), Associate Professor, Limited Term
Richard Thomson, BSc (UBC), PhD (UBC), Professor, Limited Term
Robert Thompson, BSc, PhD (Queen’s), Professor, Limited Term
Svein Vagle, BSc (Bath) PhD (UVic), Assistant Professor, Limited Term
Kelvin Wang, BSc (Peking), PhD (W Ont), Professor, Limited Term
John T. Weaver, BSc (Brist), MSc, PhD (Sask), Emeritus Professor
David Welch, BSc (Toronto), PhD (Dal), Professor, Limited Term
Michael J. Wilmut, BSc (Concordia), MA, PhD (Queen’s) Adjunct Professor
C.S. Wong, BSc, MSc (Hong Kong), PhD (Scripps), Professor, Limited Term
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 Earth Sciences (Oceanography)
- Combined Major and Honours in Chemistry and Earth Sciences
- Combined Major and Honours in Geography and Earth Sciences (Geosciences)
- Combined Major and Honours in Geography and Earth Sciences (Geotechnic)
- Combined Major and Honours in Biology and Earth and Ocean Sciences (Environmental Emphasis)
- Combined Major and Honours in Biology and Earth and Ocean Sciences (Paleontology Emphasis)

The Earth Sciences program requires a core of Earth Sciences courses, corequisite courses in the other sciences and a selection of electives suited to the interests of individual students. Completion of this program (with a geomorphology course) is intended to prepare students for professional designation from the Association of Professional Engineers and Geoscientists of BC (APEGBC; website: <www.apeg.bc.ca>).

Combined Honours and Major programs offered in collaboration with the Department of Physics and Astronomy provide specialization in either Geophysics or Physical Oceanography 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 and chemical oceanography while providing a firm basis in the principles of chemistry.

Combined Honours and Major programs are offered in collaboration with the Department of Geography. The Geoscience program is aimed at students whose interests span the fields of Physical Geography and Earth Sciences. The Geotechnic program is intended to prepare students for a professional designation from the Association of Professional Engineers and Geoscientists of BC (APEGBC). APEGBC has requirements of students beyond course work, and reserves the right to set standards and change requirements at any time (see their website at <www.apeg.bc.ca>). Therefore, the School of Earth and Ocean Sciences, the Department of Geography and UVic assume no responsibility for a student's acceptance into APEGBC.

Combined Major and Honours programs offered in collaboration with the Department of Biology offer an environmental and a palaeontological emphasis. The environmental emphasis is for students interested in biological oceanography and aquatic/terrestrial environments, where the combination of courses provides an interdisciplinary background. The palaeontology emphasis is for those students interested in specialization or graduate studies.

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 BSc General Programs is the breadth of course options possible. Students in these programs may wish to combine a concentration in Earth Sciences with one in another science area (BSc) or an arts area (BA).

Co-operative Education Program

Please see page 178.

PROGRAM REQUIREMENTS

Course Availability and Information

Students should consult the Director concerning courses offered in any particular year. Some fourth-year courses may be offered in alternate years. The timetable also shows which courses are offered.

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, honors students in SEOS must maintain a sessional GPA of 5.5 and a course load of at least 6.0 units per term.

Honours Graduation Standing

An Honours degree “With Distinction” requires:

- a graduating GPA of at least 6.5
- a GPA of at least 6.5 in 300- and 400-level EOS courses, including a minimum grade of A- in EOS 499

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.

Earth Sciences Program Requirements

Honours in Earth Sciences

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Code/Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>First</td>
<td>EOS 110, 120</td>
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<tr>
<td></td>
<td>BIOL 150A or 190A</td>
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<td>CHEM 101, 102</td>
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</tr>
<tr>
<td></td>
<td>PHYS 112</td>
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<td></td>
<td>Elective</td>
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Second Year

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<th>Course Code/Title</th>
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<tr>
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<tr>
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<td>CHEM 222, 245</td>
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<td>MATH 200 (or 205), 201</td>
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<td></td>
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Third Year

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<tr>
<th>Year</th>
<th>Course Code/Title</th>
<th>Units</th>
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<tbody>
<tr>
<td></td>
<td>EOS 300</td>
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</tr>
<tr>
<td></td>
<td>EOS 310</td>
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<td></td>
<td>EOS 311 or BIOL 311</td>
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<tr>
<td></td>
<td>EOS 320</td>
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</tr>
<tr>
<td></td>
<td>EOS 330</td>
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<tr>
<td></td>
<td>EOS 340</td>
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<td></td>
<td>One of EOS 408, 425, 431</td>
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</tr>
<tr>
<td></td>
<td>STAT 260</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>3.0</td>
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<tr>
<td></td>
<td>Total</td>
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Fourth Year

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<th>Year</th>
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<th>Units</th>
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<tr>
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<td>EOS 400</td>
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<td>EOS 410</td>
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<td>EOS 460</td>
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</tr>
<tr>
<td></td>
<td>EOS 499</td>
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</tr>
<tr>
<td></td>
<td>Minimum 4.5 units of upper-level EOS electives</td>
<td>4.5</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>Total</td>
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</tr>
</tbody>
</table>

1. Students who have completed Biology 11 and 12 should take BIOL 190A.
2. Students should consider taking BIOL 215 as one of their electives.

Major in Earth Sciences

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Code/Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>First</td>
<td>EOS 110, 120</td>
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</tr>
<tr>
<td></td>
<td>BIOL 150A or 190A</td>
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</tr>
<tr>
<td></td>
<td>CHEM 101, 102</td>
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</tr>
<tr>
<td></td>
<td>MATH 100, 101</td>
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<td></td>
<td>PHYS 112</td>
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</tr>
<tr>
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<td>Total</td>
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</tr>
</tbody>
</table>
Second Year

EOS 201.................................................................1.5
EOS 202.................................................................1.5
EOS 205.................................................................1.5
EOS 240.................................................................1.5
CHEM 222, 245..................................................3.0
MATH 200 (or 205), 201..................................3.0
EOS 210 or PHYS 210.........................................1.5
Elective ..............................................................1.5
Total: ..................................................................15.0

Third Year

EOS 300.................................................................1.5
EOS 310.................................................................1.5
EOS 312 or BIOL 311...........................................1.5
EOS 320.................................................................1.5
EOS 330.................................................................1.5
EOS 340.................................................................1.5
One of EOS 408, 425, 431............................1.5
STAT 260.............................................................1.5
Electives..............................................................3.0
Total: ..................................................................15.0

Fourth Year

EOS 400.................................................................1.5
EOS 410.................................................................1.5
EOS 460.................................................................1.5
Minimum 3.0 units of upper-level EOS electives .......3.0
Electives..............................................................7.5
Total: ..................................................................15.0

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)

Year 1

PHYS 120 and 220; or 112 .................................3.0
EOS 110, 120........................................................3.0
MATH 100, 101....................................................3.0
CHEM 101, 102....................................................3.0
CSC 110...............................................................1.5
Elective ..............................................................1.5
Total: ..................................................................15.0

Year 2

EOS 210 or PHYS 210..........................................1.5
PHYS 214, 215, 216............................................4.5
PHYS 2201 ..........................................................1.5
EOS 201, 202, 205..............................................4.5
MATH 200, 201....................................................3.0
Elective ..............................................................1.5 or 0.5
Total: ..................................................................15.0

Year 3

PHYS 317, 321A, 325, 326.....................................6.0
EOS 300.............................................................1.5
MATH 323 or 325.................................................1.5
MATH 326, 330A, 330B......................................4.5
Elective ..............................................................1.5
Total: ..................................................................15.0

Year 4

PHYS 323, 411.....................................................3.0
PHYS 427 or EOS 427........................................1.5
EOS 410, 480......................................................3.0
PHYS or EOS electives3 ......................................4.5
Electives............................................................3.0
Total: ..................................................................15.0

1. Only for students who took PHYS 112.
2. CSC 124 and MATH 233A are strongly recommended in second year.
3. Chosen from EOS 310, 320, 430, 440, 460, 470, PHYS 431. PHYS 431 is strongly recommended.

Combined Physics and Ocean Sciences (Physical Oceanography) Program Requirements

Admission to the Combined 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.

Combined Honours in Physics and Ocean Sciences (Physical Oceanography)

Year 1

PHYS 120 and 220; or 112 .................................3.0
EOS 110, 120........................................................3.0
MATH 100, 101....................................................3.0
CHEM 101, 102....................................................3.0
CSC 110...............................................................1.5
Elective ..............................................................1.5
Total: ..................................................................15.0

Year 2

PHYS 214, 215, 216............................................4.5
PHYS 2201 ..........................................................1.5
EOS 340.............................................................1.5
MATH 200, 201, 233A........................................4.5
Electives ............................................................3.0 or 4.5
Total: ..................................................................15.0

Year 3

PHYS 317, 321A, 321B, 323, 325, 326 ...............9.0
PHYS electives ..................................................1.5
### Combined Honours: Chemistry and Earth Ocean Sciences

**Combined Honours Chemistry and Earth Ocean Sciences Program Requirements**

Admission into the Combined Honours Chemistry and Earth Ocean Sciences Program requires the permission of both the Department of Chemistry and the School of Earth and Ocean Sciences. In order to obtain an Honours degree students must attain a 6.5 or higher graduating GPA and a GPA of 6.5 or higher over the group of required 300- and 400-level courses in Chemistry and Earth and Ocean Sciences.

#### First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 091, 101, 102&lt;sup&gt;1&lt;/sup&gt;; or 101 and 102&lt;sup&gt;2&lt;/sup&gt;</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 100, 101</td>
<td>3.0</td>
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<tr>
<td>PHYS 112, or 120 and 220</td>
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<td>Electives</td>
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<tr>
<td><strong>Total</strong></td>
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#### Second Year

<table>
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<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>EOS 210 or PHYS 210</td>
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<tr>
<td>MATH 200 or 205, and 201</td>
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<td><strong>Total</strong></td>
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#### Third Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>EOS 202, 340, and 310 or 320</td>
<td>4.5</td>
</tr>
<tr>
<td>CHEM 235, 318, 324, 347, 352</td>
<td>7.5</td>
</tr>
<tr>
<td>One of CHEM 361, 362, 363, 364</td>
<td>1.5</td>
</tr>
<tr>
<td>One of EOS 403, 410, 425, 430, 440, 440</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
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#### Fourth Year

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Two of EOS 403, 425, 430</td>
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<tr>
<td>CHEM 353, 411</td>
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<tr>
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<td>1.5</td>
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<tr>
<td>CHEM 499 or EOS 499</td>
<td>3.0</td>
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<tr>
<td>One of EOS 403, 410, 425, 430, 440, 440</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOC 200</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS or CHEM 300- or 400-level elective</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.

### Combined Geography and Earth Sciences (Geoscience) Program Requirements

Students intending to pursue one of these combined programs 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: Geoscience

Admission to the Combined Honours Geography and Earth Sciences (Geoscience) Program requires the permission of both the Department of Geography and the School of Earth and Ocean Sciences.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>COURSE</td>
<td>COURSE</td>
<td>COURSE</td>
<td>COURSE</td>
</tr>
<tr>
<td>PHYS 110, 120</td>
<td>EOS 110, 120</td>
<td>MATH 100, 101</td>
<td>EOS 210 or PHYS 210</td>
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<td>MATH 100, 101</td>
<td>MATH 200 or 205</td>
<td>MATH 205</td>
<td>EOS 200 or EOS 201</td>
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<tr>
<td>EOS 110 or GEOG 110, EOS 120 or GEOG 120</td>
<td>EOS 403, 410, 425, 430, 440, 460</td>
<td>EOS 210 or PHYS 210</td>
<td>EOS 202, 340, and 310 or 320</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>Minimum 4.5 additional course units</strong></td>
<td><strong>Minimum 9.0 upper-level Geography or EOS units chosen by student</strong></td>
<td><strong>Minimum 9.0 upper-level Geography or EOS units chosen by student</strong></td>
</tr>
</tbody>
</table>

1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. EOS units chosen by student.
4. EOS units chosen by student.

#### First Year

<table>
<thead>
<tr>
<th>Course</th>
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<td>EOS 110 and 120, or GEOG 110 and 120&lt;sup&gt;1&lt;/sup&gt;</td>
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</tr>
<tr>
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</tr>
<tr>
<td>GEOG 101&lt;sup&gt;1&lt;/sup&gt;</td>
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<tr>
<td>MATH 100, 101</td>
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<tr>
<td>PHYS 112</td>
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<tr>
<td>CSC 100 or 110</td>
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<td><strong>Total</strong></td>
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#### Second Year

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<tr>
<td>EOS 205</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 240&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 222&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 376</td>
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<tr>
<td>CHEM 245</td>
<td>1.5</td>
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<tr>
<td>MATH 201</td>
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</tr>
<tr>
<td>MATH 205&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 210 or PHYS 210</td>
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<td><strong>Total</strong></td>
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#### Third and Fourth Years

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
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<tr>
<td>EOS 440 or GEOG 370</td>
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<tr>
<td>EOS 450 or GEOG 476</td>
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<tr>
<td>EOS 300 or GEOG 477</td>
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<tr>
<td>One of EOS 403, 425, 430, 480</td>
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<tr>
<td>STAT 260 or GEOG 226&lt;sup&gt;1,2&lt;/sup&gt;</td>
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</tr>
<tr>
<td>GEOG 220&lt;sup&gt;1&lt;/sup&gt;</td>
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</tr>
<tr>
<td>Two of GEOG 322, 325, 328</td>
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</tr>
<tr>
<td>EOS 499 or GEOG 499</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Minimum 9.0 upper-level Geography or EOS units chosen by student</strong></td>
<td><strong>9.0</strong></td>
</tr>
<tr>
<td><strong>Minimum 4.5 additional course units</strong></td>
<td><strong>4.5</strong></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30.0</strong></td>
</tr>
</tbody>
</table>

1. The following courses are prerequisites for several other courses; students require a minimum grade of B to progress to the next level: GEOG 101A, EOS 110 or GEOG 110, EOS 120 or GEOG 120, GEOG 222, GEOG 226, GEOG 228.
2. The CHEM 222 pre- or corequisite for EOS 240 is waived for students in this combined program.
3. 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 31).

### Combined Major: Geoscience

#### First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EOS 110 and 120 or GEOG 110 and 120</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 101, 102</td>
<td>3.0</td>
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<td>MATH 100, 101</td>
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<tr>
<td>PHYS 112</td>
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<td>CSC 100 or 110</td>
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**Total:** 15.0

#### Second Year

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<td>EOS 205</td>
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<td>EOS 240</td>
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<td>GEOG 222</td>
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<td>GEOG 375</td>
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<td>CHEM 245</td>
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<tr>
<td>MATH 201</td>
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<tr>
<td>MATH 205</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 210 or PHYS 210</td>
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**Total:** 15.0

#### Third and Fourth Years

<table>
<thead>
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<th>Course</th>
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<tr>
<td>EOS 340</td>
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<tr>
<td>EOS 440 or GEOG 370</td>
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<td>EOS 450 or GEOG 476</td>
<td>1.5</td>
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<tr>
<td>EOS 300 or GEOG 477</td>
<td>1.5</td>
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<tr>
<td>One of EOS 403, 425, 430, 480</td>
<td>1.5</td>
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<tr>
<td>STAT 260 or GEOG 226</td>
<td>1.5</td>
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<tr>
<td>GEOG 228</td>
<td>1.5</td>
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<tr>
<td>Two of GEOG 322, 325, 328</td>
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</tr>
<tr>
<td>Minimum 9.0 upper-level Geography or EOS units chosen by the student</td>
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</tr>
<tr>
<td>Minimum 7.5 additional course units</td>
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</tr>
</tbody>
</table>

**Total:** 30.0

1. The following courses are prerequisites for several other courses; students require a minimum grade of B to progress to the next level: GEOG 101A, EOS 110 or GEOG 110, EOS 120 or GEOG 120, GEOG 222, GEOG 226, GEOG 228.
2. The CHEM 222 pre- or corequisite for EOS 240 is waived for students in this combined program.
3. 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 31).

### Combined Biology and Earth Sciences Program Requirements

#### Notes on Course Requirements

1. Biology 11 and 12 are normally required for entry into the Combined Biology and Earth Sciences program. Students without Biology 11 and 12 are required to take BIOL 150A and B.
2. Students should note that EOS 240 is a prerequisite for several upper-level EOS courses (EOS 310, 320, 403, 425, 430, 440, 450).
3. EOS 300 is strongly recommended for all students.

### Combined Honours in Biology and Earth 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 EOS or Biology courses at the 300 and 400 level; and a minimum grade of A- in BIOL 499 or EOS 499. An Honours degree, with distinction, will be awarded to students in addition obtain a minimum graduating GPA of 6.5.
**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 43 and specifics for the Faculty of Science are described on page 162.

**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 satisfactorily complete at least four Work Terms, each of which will be recorded on the student's academic record and transcript (as COM, N or F). The first Work Term (following first two academic terms) is optional, but students are required to complete four of the following five scheduled Work Terms. A student may transfer from the SEOS Co-operative Program to a regular SEOS program. Work Term Credit by Challenge, as outlined on page 43, 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 and Chair of the Department

Ernest J. Cockayne, MA (Oxon), MSc (McGill), PhD (UBC), Professor Emeritus

Roger R. Davidson, BSc (Queen's), MA (T or), PhD (Florida St), Professor Emeritus

Florin N. Diaconu, MMath (Bucharest), PhD (Heidelberg), Professor

Reinhard Illner, Dip (Heidelberg), PhD (Bonn), Professor

David J. Leeming, BSc (UBC-Vic Coll), MA (Ore), PhD (Alta), Professor Emeritus

C. Robert Miers, BA (Knox Coll), MA, PhD (Calif, LA), Professor

Christina Mynhardt, BA, MA, PhD (Rand Afrikaans Univ.), Professor

William E. Pfaffenberger, BA, MA, PhD (Ore), Professor
Students may also complete a Minor in Mathematics or Statistics.

Co-operative Education Program
Please see page 182.

PROGRAM REQUIREMENTS

Notes on Course Requirements
1. Any student who has been awarded a UBC-SFU-UNBC Calculus Examination Certificate can receive credit for MAT 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 MAT 100.

3. The prerequisite for MAT 108 is B or better (>72%) in Principles of Mathematics 12 or equivalent, or MAT 120, or PASS in the pre-test for MAT 100. The pre-test will be given in the first week of classes each term.

4. For some first-year Mathematics courses, the kind of calculators permitted during examinations is restricted to non-programmable, non-graphing basic scientific calculators. Detailed information about any 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. Students who plan to specialize in Mathematics or Statistics are encouraged to take MAT 151 as an elective in their first year.

7. 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 first class GPA in the second-year courses taken in the Department. A student whose third-year work is not of Honours calibre may be required to withdraw from the program. A student graduating in the Honours program will be recommended for an Honours degree “With Distinction” if the student has achieved a graduating GPA of at least 6.5 and a GPA of at least 6.5 in courses numbered 300 or higher in the Department.

Mathematics Program Requirements

Honours in Mathematics

MATHEMATICS AND STATISTICS

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

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 and statistics, and having enough elective choice to permit emphasis in any of these three 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 162. 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 133 or page 191, 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.

Please see page 182.
which at least 6 units are numbered 400 or higher. Students who are specifically interested in one of the areas of pure mathematics or applied mathematics should consult the Department for advice in the selection of these elective units.

**Major in Mathematics**
- MATH 100, 101, 122
- CSC 110, 115 (or 242)
- MATH 200, 201, 233A, 233C
- STAT 260, 261
- Two of MATH 322, 325, 377
- MATH 330A, 330B, 333A
- 7.5 additional units of Mathematics and Statistics courses numbered 300 or higher (of which at least 1.5 units are numbered 400 or higher) chosen in consultation with the Department.

**General in Mathematics**
- MATH 100, 101, 122
- MATH 205 (or 200), 201, 233A
- 9 additional units of courses numbered 300 or higher in the Department.

**General in Mathematics**
- (Teacher Preparation Option)
- MATH 100, 101, 122, 151
- CSC 110
- MATH 205 (or 200), 233A
- One of STAT 252, 255, 260
- MATH 362, 368A, 415
- 4.5 additional units of courses numbered 300 or higher in the Department. Recommended courses include MATH 322*, 330A, 352, 368B, 377*.

* These courses have 200-level prerequisites which would have to be included in the student's program.

**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
- One of MATH 200, 202, 205
- Two of MATH 201, 222, 233A, 233C, STAT 260
- 4.5 additional units of MATH courses numbered 300 or higher
- This set of courses must include at least 9 units numbered 200 or higher that do not form part of the requirements of the Honours or Major degree. Any course disqualified from the Minor Program by overlap with the requirements of the Honours or Major Program may be replaced by another Mathematics or Statistics course at the same level or higher. See Faculty of Science regulations for Minor programs, page 162. Only one Minor may be declared on any degree program.

**Statistics Program Requirements**

**Honours in Statistics**
- MATH 100, 101
- CSC 110, 115 (or 242)
- MATH 200, 201, 233A, 233C
- STAT 260, 261
- Two of MATH 322, 325, 377
- MATH 333A, 333C, 334, 352, 434, 438
- STAT 350, 353, 450
- Three of MATH 452, STAT 354, 453, 454 (454 can be taken more than once in different topics)
- 1.5 additional units of Mathematics and Statistics courses numbered 300 or higher

**Major: Mathematics and Statistics**
- MATH 100, 101, 122
- CSC 110, 115 (or 242)
- MATH 200, 201, 233A, 233C
- STAT 260, 261
- MATH 322 or 325
- MATH 330A, 330B, 333A, 377
- STAT 350, 353, 354, 453
- One of MATH 352, STAT 450, 454

**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**
A student graduating in the combined Honours program is required to obtain a 6.5 or higher graduating GPA and a GPA of 6.5 or higher over the group of required 300- and 400-level courses in Chemistry and Mathematics in order to obtain an Honours degree “With Distinction.”

**First and Second Years**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 200</td>
<td>Biochemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 091, 101, or 101^</td>
<td>Chemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 212, 213, 231, 235, 245</td>
<td>Chemistry</td>
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</tr>
<tr>
<td>CSC 110</td>
<td>Introduction to Computer Science</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYS 102</td>
<td>Principles of Physics</td>
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</tr>
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<td>PHYS 112</td>
<td>General Physics</td>
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<tr>
<td>Electives</td>
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**Third and Fourth Years**

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<th>Course Name</th>
<th>Units</th>
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</thead>
<tbody>
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<td>BIOC 347, 352, 353, 364</td>
<td>Advanced Biochemistry</td>
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<tr>
<td>CHEM 318 and 361, or 324 and 362, or 335 and 363</td>
<td>Advanced Chemistry</td>
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</tr>
<tr>
<td>CHEM 499</td>
<td>Advanced Laboratory methods in Chemistry</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 333A, 334, 434, 438, 445A, 445B</td>
<td>Advanced Mathematics</td>
<td>9.0</td>
</tr>
<tr>
<td>Courses numbered 300 or higher chosen from the Mathematics and Statistics Department in consultation with that Department</td>
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</tr>
<tr>
<td>Electives</td>
<td></td>
<td>6.0</td>
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</tbody>
</table>

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 220, or PHYS 102 and 120.

**Major: Chemistry and Mathematics**

**First and Second Years**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>BIOC 200</td>
<td>Biochemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 091, 101, or 101^</td>
<td>Chemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 212, 213, 222, 231, 235, 245</td>
<td>Chemistry</td>
<td>9.0</td>
</tr>
</tbody>
</table>

1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.

**Honours: Chemistry and Mathematics**
A student graduating in the combined Honours program is required to obtain a 6.5 or higher graduating GPA and a GPA of 6.5 or higher over the group of required 300- and 400-level courses in Chemistry and Mathematics in order to obtain an Honours degree “With Distinction.”

**First and Second Years**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 200</td>
<td>Biochemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 091, 101, or 101^</td>
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</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 212, 213, 222, 231, 235, 245</td>
<td>Chemistry</td>
<td>9.0</td>
</tr>
</tbody>
</table>

1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.

**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 consult 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**
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**First and Second Years**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 200</td>
<td>Biochemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 091, 101, or 101^</td>
<td>Chemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Chemistry</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 212, 213, 222, 231, 235, 245</td>
<td>Chemistry</td>
<td>9.0</td>
</tr>
</tbody>
</table>
Honours: Computer Science and Mathematics

First and Second Years

MATH 100, 101, 122...........................................4.5
ENGL 115 or 135.............................................1.5
ENGRI 204....................................................1.5
MATH 200 (or 205), 201, 222, 233A, 233C.......7.5
STAT 260, 261...............................................3.0
CSC 110, 115..................................................3.0
CSC 212, 225, 230...........................................4.5
SENG 265....................................................1.5

Third and Fourth Years

MATH 334, 334, 348...........................................4.5
MATH 333A, 333C..........................................3.0
CSC 320, 326, 349A, 349B, 499......................7.5
Two of CSC 425, 445, 449, 484........................3.0
Courses chosen from the Departments of Computer Science and Mathematics and Statistics at the 300 level or above. Courses chosen from the Departments of Computer Science and Mathematics and Statistics at the 300 level or above.1
1. ENGRI 225 can replace ENGRI 240 but requires 3 units of prerequisite first-year English.
2. These courses may also include CENG 420 and a maximum of two SENG courses with at least one at the 400 level.

Major: Computer Science and Statistics

First and Second Years

MATH 100, 101, 122...........................................4.5
ENGL 115 or 135.............................................1.5
ENGRI 204....................................................1.5
MATH 200 (or 205), 201, 222, 233A.................6.0
STAT 260, 261...............................................3.0
CSC 110, 115..................................................3.0
CSC 212, 225, 230...........................................4.5
SENG 265....................................................1.5

Third and Fourth Years

MATH 330A, 330B..........................................3.0
MATH 333A and one of 322, 333C......................3.0
CSC 320, 326, 349A, 349B............................6.0
Courses chosen from the Departments of Computer Science and Mathematics and Statistics at the 300 level or above. Courses chosen from the Departments of Computer Science and Mathematics and Statistics at the 300 level or above.2
1. ENGRI 225 can replace ENGRI 240 but requires 3 units of prerequisite first-year English.
2. These courses may also include CENG 420 and a maximum of two SENG courses with at least one at the 400 level.
UVIC UNDERGRADUATE CALENDAR 2005-06

182 FACULTY OF SCIENCE

CHEM Electives2 ..................................................3.0
Electives2 ...........................................................9.0 or 7.5
Total: ..................................................................30.0

Third and Fourth Years
MATH 325, 326, 334 .................................................4.5
MATH 333A, 333C ...................................................3.0
MATH 434, 438 (or 330B), 445A, 445B ..................6.0
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
MATH electives4 ......................................................1.5
MATH elective5 ........................................................1.5
Total: ..................................................................36.0

1. MATH 233A and 233C may be taken in first year, in which case MATH 333A and 333C may be taken in second year.
2. Electives chosen from first-year Chemistry courses.
3. CSC 242 is strongly recommended in second year. PHYS 210, CSC 115, 225 and 230 also are recommended.
4. Electives chosen from Mathematics courses numbered 300 or higher. These electives must be chosen in consultation with the Department of Mathematics and Statistics.
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.

MATHEMATICS AND STATISTICS CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Science is described on page 162. 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, page 88. 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 44). Students must complete 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 will complete 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 44, with the exception that work term credit by challenge is not permitted. Students completing 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

J. Michael Roney, BSc (Car), MSc (McG), PhD (Car), Associate Professor and Chair of the Department
Arif Babul, BA (Calif), PhD (Prin), Professor
Fred L. Cooperstock, BSc (Man), PhD (Brown), Professor
Christopher J.R. Garrett, BA, PhD (Cantab), FRSC, FRSC, Lansdowne Professor of Ocean Physics
E. David A. Hartwick, BEng (McGill), MA, PhD (Tor), Professor
Dean Karlen, BSc (Alta), PhD (Stanford), R. M. Pearse Professor of Physics
Richard K. Keeler, BSc (McGill), MSc, PhD (UBC), Professor
Michel Lefebvre, BSc (Laval), PhD (Cantab), Professor
Eric L. Kunze, BSc (UBC), MSc, PhD (Washington), Professor
Julio Navarro, BSc, PhD (Universidad Nacional de Cordoba), CIAR Scholar and Professor

Charles E. Picciotto, AB, MA, PhD (Calif), Professor
Christopher J. Pritchett, BSc (Sask), MSc, PhD (Tor), Professor
Colin D. Scarfe, BSc, MSc (UBC), PhD (Cantab), Professor
Don A. VandenBerg, BSc (Leth), MSc (UVic), PhD (ANU), FRSC, Professor
Arthur Watton, BSc (Imp Coll, Lond), PhD (McMaster), Professor
Robert V. Kowalewski, BS (Rochester), PhD (Cornell), Associate Professor
Maxim Pospelov, MSc (Novosibirsk), PhD (Budker), Associate Professor
Kimberley A. Venn, BSc (Tor), MSc, PhD (Texas-Austin), Associate Professor
Byoung-Chul Choi, Diplom (Aachen), PhD (Freie Universitat), Assistant Professor
Sara L. Elliot, MPhys (Kent), PhD (Cantab), Assistant Professor and Canada Research Chair
Hendrik Hoeftstra, Doctorandus, PhD (Groningen), Assistant Professor
Andrew L. Jirasek, BSc (Calg), MSc (Guelph), PhD (UBC), Assistant Professor
Geoffrey M. Steeves, BSc, PhD (Alta), Assistant Professor

Research Faculty

Werner Israel, OC, BSc, MSc (Cape Town), Scholar (Dublin), PhD (Trinity), FRSC, FRSG, CIAR Fellow and Adjunct Professor
Randall J. Sobie, BSc, PhD (Tor), IPP Scientist and Adjunct Professor
Robert A. McPherson, BA (UBC), MA, PhD (Prin), IPP Scientist and Adjunct Assistant Professor
Jon P. Willis, BSc (Glasgow), PhD (Cantab), Assistant Professor Limited Term

Administrative and Academic Professionals

Charles R. Card, BA (Reed Coll), Senior Scientific Assistant
Peter M. Cross, BSc (UVic), Coordinator, Co-operative Education Program
Ryan Enge, BEng (UVic), Programmer
Susan Green, 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
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 Zapatitis, BSc (UBC), Senior Programmer Analyst
Visiting, Adjunct and Cross-listed Appointments

Alan Astbury, BSc, PhD (Liverpool), FRS, FRSC, Adjunct Professor and Emeritus Professor
Douglas A. Bryman, BS (Syr), MS (Rutgers), PhD (Virginia Poly Inst and State U), Adjunct Professor
Harvey A. Buckmaster, BSc (Alta), MA, PhD (UBC), Adjunct Professor
Derek M. Wells, BSc (Calgary), MSc (Alta), PhD (UBC), Adjunct Professor
Luc Simard, BSc (Queen's), MSc, PhD (UVic), Adjunct Professor
Paul H. Lim, BSc (Imp Coll, Lond), MSc (Western), Adjunct Professor
J.J. Kavelaars, BSc (Guelph), MSc, PhD (Queen's), Professor

Physics and Astronomy
General Office: 721-7700
Fax: 721-7715
E-mail: office@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).

Courses of General Interest
The courses PHYS 303 and ASTR 120 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 Program
Please see page 187.

Program Requirements

Notes on Course Requirements
• The course sequences below are designed for a four-year program. Students in the Co-op program will take longer than four years and should consult the Co-op supervisor. Others may consult the undergraduate adviser.
• 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.

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.
• Students in the Honours programs will be required to maintain a GPA of at least 3.5.
• In all Honours programs the type of degree will be determined on the basis of the GPA calculated using 30 units of upper-level courses specified by the Department.
• Honours degrees will be designated “With Distinction” if the GPA is at least 6.5.

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.
• Major degrees will be designated “With Distinction” if the student’s GPA is at least 6.5.

Physics Programs: Course Requirements

Honours Program in Physics

Year 1

PHYS 120 and 220, or 112.........................3.0
MATH 100 and 101........................................3.0
CHEM electives1........................................3.0
Electives..................................................4.5
Total......................................................15.0

Year 2

PHYS 214, 215 and 216...............................4.5
PHYS 220..................................................1.5
MATH 200, 201 and 233A..........................4.5
Electives1..................................................4.5 or 6.0
Total......................................................15.0

Year 3

PHYS 317, 321A, 321B, 323, 325 and 326........9.0
PHYS 313 or 314.......................................1.5
### Major Program in Physics

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>PHYS 120 and 220, or 112</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>MATH 100 and 101</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>CSC 110</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
<tr>
<td>Year 2</td>
<td>PHYS 214, 215, 216</td>
<td>4.5</td>
</tr>
<tr>
<td></td>
<td>PHYS 220</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>MATH 200, 201, 233A</td>
<td>4.5</td>
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<tr>
<td></td>
<td>Electives</td>
<td>4.5 or 6.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
<tr>
<td>Year 3</td>
<td>PHYS 317, 321A, 325, 326</td>
<td>6.0</td>
</tr>
<tr>
<td></td>
<td>MATH 330A, 330B and 326</td>
<td>4.5</td>
</tr>
<tr>
<td></td>
<td>MATH 323 or 325</td>
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</tr>
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<td></td>
<td>Electives</td>
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<td></td>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
<tr>
<td>Year 4</td>
<td>PHYS 313 or 314</td>
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</tr>
<tr>
<td></td>
<td>PHYS 323</td>
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<td>10.5</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

1. Only for students who took PHYS 112.
2. CSC 242 is strongly recommended in second year. ASTR 200A, 200B, 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).

### General and Minor Programs in Physics

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>PHYS 120 and 220, or 112</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>MATH 100 and 101</td>
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<td></td>
<td>CSC 110</td>
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<tr>
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<td>Electives</td>
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</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
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</tbody>
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### Year 2

<table>
<thead>
<tr>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 214, 215, 216</td>
<td>4.5</td>
</tr>
<tr>
<td>PHYS 220</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 200, 201, 233A</td>
<td>4.5</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5 or 6.0</td>
</tr>
</tbody>
</table>

### Year 3

<table>
<thead>
<tr>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 317, 321A, 325, 326</td>
<td>6.0</td>
</tr>
<tr>
<td>MATH 330A, 330B and 326</td>
<td>4.5</td>
</tr>
<tr>
<td>MATH 323 or 325</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
</tbody>
</table>

### Year 4

<table>
<thead>
<tr>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 313 or 314, and 410</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYS 422 or 423</td>
<td>1.5</td>
</tr>
<tr>
<td>ASTR 400 or 402</td>
<td>1.5</td>
</tr>
<tr>
<td>ASTR 403 and 404</td>
<td>3.0</td>
</tr>
<tr>
<td>ASTR 492A and B</td>
<td>3.0</td>
</tr>
<tr>
<td>ASTR 460</td>
<td>0.0</td>
</tr>
<tr>
<td>Electives</td>
<td>6.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18.0</strong></td>
</tr>
</tbody>
</table>

1. Electives chosen from first-year Chemistry courses.
2. Only for students who took PHYS 112.
3. ASTR 200A and 200B should normally be taken in second year. Students entering the third year without having completed ASTR 200A and 200B will normally be required to take these courses in third year. ASTR 303 and 304 should then be deferred to fourth year. Students electing to take ASTR 400 or 402 in third year may defer ASTR 304 to the fourth year.
4. CSC 242 is strongly recommended in second year. PHYS 210, CSC 115, 225, and 230 are also recommended.
5. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher. They can be reduced to 3 units if ASTR 200A and 200B were taken in third year. These electives must be chosen in consultation with the Department.

### Major Program in Astronomy

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>PHYS 120 and 220, or 112</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>MATH 100 and 101</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>CSC 110</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
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</tbody>
</table>

### Year 2

<table>
<thead>
<tr>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 214, 215, 216</td>
<td>4.5</td>
</tr>
<tr>
<td>PHYS 220</td>
<td>1.5</td>
</tr>
<tr>
<td>ASTR 200A and 200B</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 200, 201 and 233A</td>
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</tr>
<tr>
<td>Electives</td>
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### Year 3

<table>
<thead>
<tr>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 317, 325 and 326</td>
<td>4.5</td>
</tr>
<tr>
<td>MATH 330A, 330B and 326</td>
<td>4.5</td>
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<tr>
<td>MATH 323 or 325</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

### Year 4

<table>
<thead>
<tr>
<th>Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 313 or 314, and 410</td>
<td>3.0</td>
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<tr>
<td>PHYS 422 or 423</td>
<td>1.5</td>
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<td>ASTR 400 or 402</td>
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</tr>
<tr>
<td>ASTR 403 and 404</td>
<td>3.0</td>
</tr>
<tr>
<td>ASTR 492A and B</td>
<td>3.0</td>
</tr>
<tr>
<td>ASTR 460</td>
<td>0.0</td>
</tr>
<tr>
<td>Electives</td>
<td>6.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18.0</strong></td>
</tr>
</tbody>
</table>

1. Only for students who took PHYS 112.
2. ASTR 200A and 200B should normally be taken in second year. Students entering the third year without having completed ASTR 200A and 200B will normally be required to take these courses in third year. ASTR 303 and 304 should then be deferred to fourth year. Students electing to take ASTR 400 or 402 in third year may defer ASTR 304 to the fourth year.
3. CSC 242 and MATH 233A are strongly recommended in second year. PHYS 210, CSC 115, 225, and 230 are also recommended.
4. Electives chosen from first-year Chemistry courses.
5. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher. They can be reduced to 3 units if ASTR 200A and 200B were taken in third year. These electives must be chosen in consultation with the Department.
### Combined Physics and Astronomy
#### Program Requirements

**Combined Honours in Physics and Astronomy**

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>PHYS 120 and 220, or 112</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>MATH 100 and 101</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>CSC 110</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>CHEM electives</td>
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</tr>
<tr>
<td></td>
<td>Electives</td>
<td>1.5 or 3.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
<tr>
<td>2</td>
<td>PHYS 214, 215 and 216</td>
<td>4.5</td>
</tr>
<tr>
<td></td>
<td>PHYS 220</td>
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<td>4.5</td>
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<tr>
<td></td>
<td>Electives</td>
<td>1.5 or 3.0</td>
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<td>PHYS 317</td>
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1. Electives chosen from first-year Chemistry courses.
2. Only for students who took PHYS 112.
3. ASTR 200A and 200B should normally be taken in second year. Students entering the third year without having completed ASTR 200A and 200B will normally be required to take these courses in third year. ASTR 303 should then be deferred to fourth year. Students electing to take ASTR 400 or 402 in third year may defer ASTR 304 to the fourth year.
4. POL 242 is strongly recommended in second year. PHYS 210, 200, 225, and 230 are also recommended.
5. Elective chosen from Mathematics courses numbered 300 or higher. These electives must be chosen in consultation with the Department of Mathematics and Statistics.
6. Elective chosen from Physics and Astronomy electives numbered 300 or higher. This elective must be chosen in consultation with the Department of Physics and Astronomy.

### Combined Major in Physics and Astronomy

#### Year 1

<table>
<thead>
<tr>
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<tbody>
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<td>MATH 100 and 101</td>
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#### Year 2

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#### Year 3

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### Combined Physics and Mathematics
#### Program Requirements

**Combined Honours in Physics and Mathematics**

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<td>MATH 200, 201, 233A and 233C</td>
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### Combined Physics and Earth Sciences
#### Geophysics Program Requirements

**Combined Honours in Physics and Earth Sciences (Geophysics)**

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<td></td>
<td>Elective</td>
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<td></td>
<td><strong>Total</strong></td>
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</tr>
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<td>PHYS 220</td>
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<td></td>
<td>EOS 201, 202, 205</td>
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<td></td>
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</table>

1. Only for students who took PHYS 112.
Combined Honours in Physics and Computer Science

**Program Requirements**

**Combined Major in Physics and Computer Science**

**Year 1**
- PHYS 120 and 220; or 112 .................................. 3.0
- MA TH 100, 101 .............................................. 3.0
- PHYS 210 or EOS 210 .................................. 1.5
- PHYS/ENGR 240 .......................................... 1.5
- Elective ..................................................... 0.5

**Year 2**
- PHYS 214, 215, 216 ........................................ 4.5
- MA TH 200, 201 ........................................... 1.5
- MATH 233 .................................................. 1.5
- Elective ..................................................... 1.5

**Year 3**
- MA TH 233 or 234 ......................................... 1.5
- PHYS 317, 321A, 323, 325, 326 .................. 9.0
- Elective ..................................................... 3.0 or 4.5

**Year 4**
- MA TH 323 or 325 ......................................... 1.5
- PHYS 323, 411, 422, 426 .......................... 6.0
- EOS 431 ..................................................... 1.5
- EOS 499, or PHYS 429A and 429B .......... 3.0
- Elective ..................................................... 1.5

**Total** .................................................... 18.0

1. Only for students who took PHYS 112.
2. CSC 242 is strongly recommended in second year. PHYS 210, CSC 115, 225 and 230 are also recommended.
3. Chosen from PHYS courses numbered 300 and above. The Physics electives must be chosen in consultation with the Department of Physics and Astronomy.

Combined Major in Physics and Ocean Sciences (Physical Oceanography)

**Year 1**
- PHYS 120 and 220; or 112 .................................. 3.0
- MA TH 100, 101 .............................................. 3.0
- CHEM 101 .................................................. 3.0
- CSC 110 ..................................................... 1.5
- Elective ..................................................... 1.5

**Year 2**
- PHYS 214, 215, 216 ........................................ 4.5
- MA TH 200, 201 ........................................... 1.5
- MATH 233 .................................................. 1.5
- Elective ..................................................... 1.5

**Year 3**
- MA TH 323 or 325 ......................................... 1.5
- PHYS 317, 321A, 323, 325, 326 .................. 9.0
- Elective ..................................................... 3.0 or 4.5

**Year 4**
- MA TH 323 or 325 ......................................... 1.5
- PHYS 323, 411, 426 ................................... 4.5
- EOS 431 ..................................................... 1.5
- EOS 433 or 435 ........................................... 1.5
- Elective ..................................................... 7.5

**Total** .................................................... 15.0

1. Only for students who took PHYS 112.
2. CSC 242 is strongly recommended in second year. PHYS 210 or EOS 210, and CSC 115, 225 and 230 are also recommended.
3. 4.5 units of other Computer Science courses must be at the 300 or higher level and must be chosen in consultation with the Department of Computer Science.

Combined Major in Physics and Ocean Sciences (Geophysics)

**Year 1**
- PHYS 120 and 220; or 112 .................................. 3.0
- MA TH 100, 101 .............................................. 3.0
- CHEM 101, 102 ........................................... 3.0
- CSC 110 ..................................................... 1.5
- Elective ..................................................... 1.5

**Year 2**
- PHYS 214, 215, 216 ........................................ 4.5
- MA TH 200, 201 ........................................... 1.5
- MATH 233 .................................................. 1.5
- Elective ..................................................... 1.5

**Year 3**
- MA TH 323 or 325 ......................................... 1.5
- PHYS 317, 321A, 323, 325, 326 .................. 9.0
- Elective ..................................................... 3.0 or 4.5

**Year 4**
- MA TH 323 or 325 ......................................... 1.5
- PHYS 317, 321A, 323, 325, 326 .................. 9.0
- Elective ..................................................... 3.0 or 4.5

**Total** .................................................... 15.0

1. Only for students who took PHYS 112.
2. CSC 242 is strongly recommended in second year. PHYS 210, CSC 115, 225 and 230 are also recommended.
3. Chosen from PHYS courses numbered 300 and above. The Physics electives must be chosen in consultation with the Department of Physics and Astronomy.
### First Year

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<td>BIOL 150A or 190A</td>
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### Second Year

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### Third Year

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### Fourth Year

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### Combined Major in Physics and Biochemistry

#### First Year

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<td>CSC 110</td>
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<td>BIOL 150A or 190A</td>
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<tr>
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#### Second Year

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#### Third Year

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<td><strong>Total</strong></td>
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</table>

1. Must have credit for Biology 11/12 or BIOL 150A and 150B or equivalent.
2. Only for students who took PHYS 112.
3. PHYS 325 is offered in alternate years. If taken in the fourth year, PHYS 326 may be taken in the third year.
4. CSC 242 is strongly recommended.
5. Chosen from Physics and Astronomy courses or other approved courses numbered 300 or higher.
The Social Sciences encompass the systematic study of individual and group behavior 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.
**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, page 195.)

Students may obtain a BA in Mathematics or Statistics through the Faculty of Social Sciences. For information, please see page 191.

**Academic Advice and Program Planning**
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 on page 24.

**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 Enrollment**
Admission to the University and Faculty is not a guarantee of placement in particular programs and/or courses. Departments may limit enrollment for a variety of reasons.

**Faculty Academic Regulations**

**Admission Requirements**
The admission requirements for the Faculty of Social Sciences are presented on page 22.

**Credit and Courses**

**Credit for Summer Studies 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 Summer Studies is published in the Summer Studies 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 Assistant Dean, 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 Assistant Dean. 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 indicated on a Letter of Permission 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 30).

Upon successful completion of such courses, the student must request the Registrar of the other institution to send an official transcript of 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 (see page 38).

Normally, the Faculty requires all students qualifying for a University of Victoria degree to com-

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**Faculty of Social Sciences Programs**

<table>
<thead>
<tr>
<th></th>
<th>BA Honours</th>
<th>BA Major</th>
<th>BA General</th>
<th>BSc Honours</th>
<th>BSc Major</th>
<th>BSc General</th>
<th>BSc Minor</th>
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<tbody>
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<td>Anthropology</td>
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¹ See page 263
² Combined Honours and Major programs also offered; see department entries.

Note: All Honours and Major programs may be taken with a Co-operative Option.
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 Assistant Dean 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 University English Requirement (see page 28)
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

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**Hons 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 Ad- viser 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

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**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.

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**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 38.
Bachelor of Science
Economics
Geography
Psychology

Combined Honours Programs
Biology and Psychology
Geography and Earth Sciences (Geosciences)
Geography and Earth Sciences (Geotechnics, APEGBC)

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 Record of Degree form (PADRE). 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 Record of Degree form (PADRE).

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 Record of Degree form (PADRE), 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
Geography and Computer Science (Geomatics)
Geography and Earth Sciences (Geosciences)
Geography and Earth Sciences (Geotechnics, APEGBC)
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.

2005-06 UVIC CALENDAR

In a Joint Honours and Major Program, the Honours Program will be listed first on the student's Record of Degree form (PADRE), 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 Record of Degree Program form (PADRE).

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 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
- Film Studies
- Indigenous Studies
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. Normally, students will complete 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, Geography, Political Science, Psychology or Sociology, a student must be proceeding to an Honours or Major BA or BSc degree in one of these disciplines. Students should refer to the Co-op entry under the appropriate department entry.

To qualify for admission to the undergraduate Environmental Studies Co-operative Education Program, a student must be enrolled in a double Major program offered by the School of Environmental Studies. Students in Environmental Studies should refer to the School's calendar entry on page 197 or consult the Co-op office of their other Major.

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 and must have achieved at least a 4.5 GPA in first year. Specific GPA requirements of individual departments may vary; refer to the entries of individual departments. A formal interview to determine the student's interests, abilities and aptitudes will be required before admission.

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 maintain the required GPA, complete satisfactorily the Work Term Preparation program, and successfully complete at least four 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.

Department of Anthropology
Margot E. Wilson, BA, MA (Tor), MA, PhD (Southern Methodist), Associate Professor and Chair of the Department
Heather Botting, BA, MA, PhD (Alberta), MA (Calgary) Senior Instructor
Hülya Demirdirek, BA, M.Phil (Norway), PhD (Oto), Assistant Professor
Leland H. Donald, BA (Emory), PhD (Ore), Professor
Eric A. Roth, BA (Missouri), MA, PhD (Tor), Professor
Peter H. Stephenson, BA (Ariz), MA (Calg), PhD (Tor), Professor
Lisa Gould, BA, MA (Alberta), PhD (Wash U St L) Assistant Professor

Yin Lam, AB (Harvard), MA (Alberta), MA (Stony Brook), PhD (Stony Brook), Assistant Professor
Quentin Mackie, BA, MA (U of Vic), PhD (Southampton), Assistant Professor
Margo L. Matwyuch, BA (Winn), MPhil, PhD (CUNY), Assistant Professor
Lisa M. Mitchell, BA (Alberta), MA (McMaster), PhD (Pennsylvania), Assistant Professor
April Nowell, BA, MA (McGill), PhD (Calgary) Senior Instructor
Michael Tosie, BA (Harvard), MA (U of California, Berkeley), Lecturer
Andrea Walsh, BEA (U of Vic), MA, PhD (York U), Assistant Professor

Visiting, Adjunct and Cross-listed Appointments
Michael J. Asch, BA (Chicago), PhD (Columbia), Visiting Professor (2004-2007)
Mayra Bruckley, BA, MA, PhD (Toronto) Adjunct Assistant Professor (2004-2007)
Susan Crockford, BSc, PhD (Victoria) Adjunct Assistant Professor (2004-2007)
Marjorie Mitchell, BA, MA (Victoria), PhD (UBC) Adjunct Assistant Professor (2004-2007)
Margaret Rodman, BA, MA, PhD (McMaster) Visiting Scholar (2004-2005)

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 Requirements
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 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, 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
In addition to University requirements concerning Honours Degrees, the Department of Anthropology requires a GPA of 6.5 or higher in upper-level courses in Anthropology to qualify for an Honours Degree "With Distinction." A student
who fails to attain a GPA of 4.0 or higher in an Honours Program but who completes the requirements for the Major Degree will not qualify for an Honours degree but may be awarded a Major Degree.

**Major Program Requirements**

**First Year**
ANTH 100

**Second Year**
ANTH 200, 240 and 250

**Third and Fourth Years**

- **Ethnology:** 1.5 units from ANTH 322, 323, 324, 325, 326, 327, 329, 330, 332, 334, 335, 336, 338, 339A, 339B, 391
- **Archaeology:** 3 units from ANTH 341A, 341B, 342, 343, 344, 392, 449
- **Cultural Anthropology:** 3 units from ANTH 300A, 300B, 300C, 304, 305, 306, 309, 310, 393, 405, 406, 409, 419, 420, 428
- **Physical Anthropology:** 3 units from ANTH 350A, 350B, 353, 355, 394, 451, 453

**Method and Theory:** 3 units from ANTH 311, 312, 316, 317, 395, 400A, 400B, 401, 402, 407, 418, 441

Plus 1.5 additional units from the above courses

Plus 1.5 units of Linguistics as offered by the Linguistics Department or 1.5 units of ANTH 396

**General and Minor Program Requirements**

**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 192. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 44. 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.

**Admission to the Anthropology Co-op**

Entry into the Anthropology co-op program is restricted 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 for admission to the program, students must normally have a minimum GPA of 5.5 in Anthropology courses and 4.5 overall. In addition to these grade and course requirements, admission will also be based on a student's interests, abilities and the results of a formal interview.

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 alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum GPA of 3.5 in Anthropology courses and a cumulative GPA of 4.5 overall. Each work term is recorded on the student's official transcript of academic record (as COM, N or F). A student may withdraw from the Anthropology co-op program and graduate with the normal Anthropology BA degree without the co-op designation. Work term credit by challenge, as outlined on page 43, 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**

**Joseph Schaafsma, BA, MA ( McMaster), PhD (Tor.), Professor and Chair**

**Kenneth L. Aivo, BSc (Ore), MS, PhD (Purdue), Professor**

**Merwan H. Engineer, BA (UBC), MA, PhD (Queen's), Professor**

**David E. A. Giles, BSc, MCom, PhD (Cant), Professor**

**Carl A. Mosk, AB (Calif-Berk), MS (MIT), PhD (Harv), Professor**

**Malcolm Rutherford, BA (Heriot-Watt), MA (SFU), PhD (Durf), Professor**

**John A. Schofield, BA (Durf), MBA (Indiana), MA, PhD (SFU), Professor**

**G. Cornelis van Kooten, BSc, MA (Alberta), PhD (Oregon State), Professor and Canada Research Chair**

**Judith A. Clarke, BSc, MS (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**

**Daniel Roudne, BA (Sherbrooke), MA (Guelph), MA (Cornell), PhD (Cornell), Associate Professor**

**David Scones, BSc (Uvic), MA, PhD (Queen's), Associate Professor**

**Kenneth G. Stewart, BA (Dal), MSc (Lond), MA, 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**

**Martin Farnham, BA (Swathmore, PA), MA, PhD (Michigan), Assistant Professor, Limited Term Appointment (2004-2006)**

**Elisabeth Gugl, MA (Karl-Franzens Graz), MA (Rice) PhD (Rice), Assistant Professor**

**Emma Hutchinson, BSc (La Trobe, Aus), MA, MS, PhD (Michigan), Assistant Professor**

**2005-06 UVIC CALENDAR**

Alok Kumar, MA (Delhi), MPhil (Delhi), PhD (Queens), Assistant Professor

Nilanjana Roy, BA, MA (Jadavpur), PhD (Calif-Riverside), Assistant Professor

Herbert J. Schuetze, BA, MA, PhD (McMaster), Assistant Professor

Paul Schure, MA (Groningen), PhD (EUI, Florence), Assistant Professor

Gerald L. Bluck, BSc (UVic), Senior Analyst

Lori Cretney, BA (UBC), Administrative Officer

**Visiting, Adjunct and Cross-listed Appointments**

Yehuda Kottowitz, BA (Hebrew U, Jerusalem), PhD (Chicago), Adjunct Professor (2003-2005)

**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 Enrollment**

Students are advised that because of limited staff and facilities, it may be necessary to limit enrollment in certain courses. Course enrollment 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 normally should be completed by the end of second year and must be completed by the end of third year.

3. Although the Department prefers and recommends ECON 245, 246, and 250 can be substituted, provided the minimum grade requirements specified for ECON 245 are satisfied in STAT 260.

4. 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.

5. 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.

6. Students wishing to proceed to graduate studies in Economics are advised to include ECON 251, 313, 365, 366, 400, 401, and STAT 350 in their undergraduate program.

7. 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 MAJOR AND HONOURS PROGRAMS IN ECONOMICS. It should normally be completed by the end of the second year and must be completed by the end of the third year. 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 failing that test will be deregistered from ECON 225 and directed to enrol in a remedial English course.

7. ECON 103 and 104 may be repeated once in order to satisfy minimum grade requirements or to pass these courses. To attempt either of these courses a third time, written permission must be obtained from the Economics Undergraduate Adviser. These courses may not be attempted more than three times.

**BA Program Requirements**

**BA Major**
1. ECON 103 and 104, with a GPA of at least 3.0 in the two courses and at least a C in each course
2. MATH 102 and 103, or 100 and 103, or 100 and 101 (see Note 1)
3. CSC 105 (see Note 5)
4. 1.5 units of first-year English
5. 1.5 units of another social sciences course (other than a course in statistics or quantitative methods) or HIST 205, or PHIL 220, or PHIL 223
6. ECON 203 and 204 and 313
7. ECON 245 and 246, with at least a C in each course (see Note 2)
8. ECON 225
9. ECON 250 and 251, with at least a C+ in 250
10. ECON 353
11. ECON 365 and 366
12. ECON 400 and 401
13. At least one of ECON 450, 451, 452, 453, 454, 465, 466 or 467
14. An additional 4.5 units of Economics courses numbered 300 and above

**BSc Program Requirements**

**BSc Major**
1. ECON 103 and 104, with a GPA of at least 3.0 in the two courses and at least a C in each course
2. MATH 102 and 103, or 100 and 103, or 100, 101, 200 and 233A (see Note 1)
3. CSC 105 (see Note 5)
4. 1.5 units of first-year English
5. 1.5 units of another social sciences course (other than a course in statistics or quantitative methods) or HIST 205, or PHIL 220, or PHIL 223
6. ECON 203 and 204 and 313
7. ECON 245 and 246, with at least a C+ in 245 (see Note 2)
8. ECON 225
9. ECON 250 and 251, with at least a C+ in 250
10. ECON 353
11. ECON 365 and 366
12. ECON 400 and 401
13. At least one of ECON 450, 451, 452, 453, 454, 465, 466 or 467
14. An additional 4.5 units of Economics courses numbered 300 and above

**BSc Honours**

In addition to the requirements for the BSc Major:
1. In ECON 103 and 104, a GPA of at least 5.5 in the two courses and at least a B in each course
2. In ECON 203, 204 and 313, normally at least a B- in each course
3. In ECON 245 and 246, at least a B in 245 and at least a B- in 246
4. ECON 399 and 499
5. An additional one of ECON 450, 451, 452, 453, 454, 465, 466 or 467
6. In addition to the other specific course requirements, an additional 6 units of Economics courses numbered 300 and above
7. 3 upper-level units in another subject or subjects
8. Also see Other Requirements for BA and BSc Honours Programs, below.

**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, which should be sought at the end of the second year, normally requires at least a B- in each of ECON 203, 204 and 313. Application is to the Undergraduate Adviser. Honours students are required to:
1. maintain a GPA of at least 6.0 in courses taken within the Department in the third and fourth years;
2. complete ECON 399 in their third year and ECON 499 in their fourth year;
3. complete a thesis by the end of their fourth year.

**Honours Graduation Standing**

An Honours degree "With Distinction" requires:
1. a graduating average of at least 6.5;
2. a GPA of at least 6.5, computed on the basis of all upper-level courses taken within the Department, except ECON 499;
3. at least a B in ECON 499.

**Minors**

The rules governing minors are determined by the faculty; those relating to the Faculty of Social Sciences are given on page 192.

**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. To qualify for the Business Option, students must have a GPA of 3.0 (C+) or better in ECON 103, ECON 104, CSC 105 and MATH 102, with a grade of at least C in each course.

Students must satisfy the requirements of their BA or BSc program, and take the following program:

- COM 220
- COM 240
- COM 250
- COM 270

Students may take additional courses in the Faculty of Business by single course application to the Faculty of Business General 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
- COM 240 Management Finance
- COM 425 Taxation for Managers
- COM 445 Corporate Finance
- IB 417 International Finance
- MATH 242 Mathematics of Finance

Students must take at least one of ECON 435 and 445.

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.

**Term Abroad**

The Department has student exchange agreements with the City University of Hong Kong and Wageningen University, the Netherlands. The program in Hong Kong is offered in co-operation with the Faculty of Business. A student who has declared a degree program in Economics, and who has completed all 100- and 200-level program requirements, may spend a term at the City University of Hong Kong earning course credit toward their BA or BSc Major or Honours program. Application is to the Economics Undergraduate Adviser by September 30 of each year. Once accepted, the student should apply to the
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, BIS (Waterloo), MA (Western), PhD (Waterloo), Associate Professor and Director of the School
Michael M’Gonigle, MSc (Lond Sch Econ), LLB (Tor), LLM, JSD (Yale), Professor and Chair in Environmental Law and Policy
Karena Shaw, BA (Calif-Santa Cruz), MA, PhD (John Hopkins), Assistant Professor (2003-2005)
Duncan M. Taylor, BA (Queen’s), PhD (Calif-Santa Cruz), Assistant Professor
Nancy Turner, BSc (UVic), PhD (UBC, Professor
John Volpe, BSc, MSc (Guelph), PhD (UVic), Assistant Professor
Paul R. West, BSc, PhD (McMaster), Associate Professor
Wendy Wickwire, BMus (Western), MA (York), PhD (Wesleyan), Associate Professor
Don Eastman, BSc (UBC), MSc (Aberdeen), PhD (UBC), Faculty Coordinator, Restoration of Natural Systems
Karolyn Jones, Senior Administrative Support
Anne Bowen, Administrative Support

Visiting, Adjunct and Cross-listed Appointments

Marianne Gostynsky Ainy, BA (Sir George Williams), MSc (Montreal), PhD (McGill), Adjunct Professor (2005-2006)
Pamela Asquith, BA (York), PhD (Ontario), Adjunct Professor (2005-2006)
Reese Halter, BA (Winnipeg), BSc (UBC), PhD (Melbourne), Adjunct Professor (2004-2007)
Richard Hebd, BSc (McMaster), PhD (UBC), Adjunct Professor (2005-2007)
Bryce Kendrick, BSc, PhD, DSc (Liverpool), Adjunct Professor (2004-2006)

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: ethnecology, ecological restoration and sustainable communities. 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, providing 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 ethnecology, restoration and sustainable communities, 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 191) or a Major with an Honours Program (Honours/Major, see Honours Program, page 191) or a Major in another Faculty (see Interfaculty Joint Honours and Major, page 191). 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 192).

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 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 197.

Limitation of Enrollment

Students are advised that because of restricted facilities and staff, it may be necessary to limit enrollment in certain Environmental Studies courses. Access will be determined in the first instance by strict adherence to prerequisites, including third-year standing for all courses except ES 200. Preference is given to students completing Major and Minor degree programs in Environmental Studies. Academic standing may be taken into account in determining enrollment in third- and fourth-year courses.
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 (page 191) 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. A first- and second-year program that includes ES 200 and courses selected from at least two of the Faculties of Social Sciences, Science and Humanities. At least 3 units in each of the two faculties are required.

Recommended Courses

Science

- BIOL 201 (1.5)
- BIOL 190A (1.5), 190B (1.5), 215 (1.5)
- CHEM 101 (1.5), 102 (1.5)
- EOS 110 (1.5), 120 (1.5)
- MICR 200 (3)
- PHYS 102 (3)

Social Sciences

- ANTH 100 (1.5), 200 (1.5)
- ECON 105 (1.5), 104 (1.5)
- GEOG 101A (1.5), 101B (1.5), 214 (1.5)
- POLI 101 (1.5), 102 (1.5)
- SOCI 100 (1.5)

Humanities

- ENGL 115 (1.5), 135 (1.5), 215 (1.5), 225 (1.5)
- GRS 100 (3)
- HIST 105 (3), 260 (1.5)
- PHIL 100 (3), 215 (1.5), 225 (1.5)
- WS 110 (1.5), 210 (1.5)

4. Three units in quantitative concepts and methods, preferably through CSC 100, 105 or 110 and STAT 255, but this requirement may also be met by the following alternative courses:
   - ANTH 316 and 317
   - ECON 245 and 246
   - GEOG 226 and 326
   - PHIL 203
   - PSYC 300A and 300B
   - SOCI 371A and 371B
   - STAT 255 and 256

When the outside Major or Honours program requires the 3 units of quantitative concepts/methods, the course(s) chosen to satisfy this requirement may form part of that Major or Honours program.

5. A minimum of 15 upper-level Environmental Studies units selected as follows:
   (i) 7.5 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)
      plus 3.0 units selected from:
      - ES 310 or ES 344 (BIOL 330) (1.5)
      - ES 312 (ECON 330) (1.5)
      - ES 314 (PHIL 333) (1.5)
      - ES 316 (GEOG 350) (1.5)
      - ES 318 or ES 348 (ER 313) (1.5)
      - ES 320 (BIOL 370) (1.5)
   (ii) 7.5 additional units selected from the following:
      - Environmental Studies
      - ES 360-382, 402, 404, 412, 414, 417, 418, 419, 421, 423, 428, 430 (ANTH 401), 446, 461, 462, 470, 480-482, 490. The courses not selected in (i) above may also be used to meet this requirement.
      - 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.
      - With the approval of the Director, 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
          - BIOL 390 (3.0) General Biochemistry
          - EOS 311 (1.5) Biomedical 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 348 (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 455 (1.5) (formerly 459A and B) Parks and Wilderness
          - POLI 457 (1.5) The Politics of Environmental and Natural Resource Policy
          - PSYC 350 (3.0) Environmental Psychology
          - SOCI 465 (1.5) Environmental Sociology
      - Humanities
        - ENGL 115 (1.5), 135 (1.5), 215 (1.5), 225 (1.5)
        - GRS 100 (3)
        - HIST 105 (3.0), 260 (1.5)
        - PHIL 100 (3.0), 215 (1.5), 225 (1.5)
        - WS 110 (1.5), 210 (1.5)
    4. 6.0 additional units of third- and fourth-year Environmental Studies courses, chosen from ES 380-382, 402, 404, 412, 414, 417, 418, 419 (Law 328), 421, 423, 428, 430 (ANTH 401), 446, 461, 462, 470, 480-482. The courses not selected in (3) above may also be chosen.
    - Although they are no longer offered, the following courses may be used to meet this requirement:

Minor Program

A Minor in Environmental Studies requires one of ES 300A or a minimum grade of B- in ES 200 and completion of the General program as well as the requirements for another Major or Honours program in the Faculties of Science, Social Sciences or Humanities.

A student may also obtain a Minor by completing ES 300A or achieving at least a B- in ES 200, completing the General program in Environmental Studies and completing the requirements for a degree in another faculty.

None of the courses chosen to fulfill the upper-level course requirement of the General program can be used toward the Environmental Studies
Minor if they are declared as part of the outside Major or Honours requirements.

Note: Students who have registered in one of the options of the Environmental Studies Program described in a previous calendar will be allowed to complete that option if they so wish. Alternatively they may wish to modify their program as described above in order to receive the Major or Minor designation.

**Environmental Studies Co-operative Education Program**

The Co-operative Education Program in the Faculty of Social Sciences is described on page 192. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 44.

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.

**Admissions to the Environmental Studies Co-op Program**

Entry into the Environmental Studies co-op program is restricted to full-time students (those taking 6 or more units per term) who are proceeding to a double Major program offered by the School of Environmental Studies, and whose other Major is in a department within the Faculty of Social Sciences. To be considered for admission to the program, students normally require a minimum cumulative GPA of 5.0. In addition to these grade and course requirements, admission will also be based on a student's interests and abilities, and on the results of a formal interview.

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 alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum cumulative GPA of 5.0. Each work term is recorded on the student's official transcript of academic record (as COM, N or F). A student may withdraw from the Environmental Studies co-op program and proceed to graduate from a regular Environmental Studies Major or Minor program without the co-op designation.

Work term credit by challenge, as outlined on page 43, 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. Students whose other Major is in a department outside the Faculty of Social Sciences should consult the Co-op office that serves their other Major.

**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 Education.

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 examine 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.

Please see the Continuing Studies Calendar for information on the Certificate option in the Restoration of Natural Systems.

Enrollment 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. 3.0 units selected from the following courses:
   - ER 325 .............................................................. 1.5
   - ER 326 (ES 353 or 423) ........................................ 1.5
   - ER 327 ................................................................ 1.5
   - ER 328 ................................................................ 1.5

3. 6 units of electives chosen from ER 329, 330, 331, 333, 334, 335A, 335B, 336, 338 (A-D) and other courses, including transfer credit, if not previously used towards a degree, subject to the approval of the faculty coordinator

4. The following courses:
   - ER 390 (1.5) Environmental Restoration Project
   - ER 400 (0) Seminar in Environmental Restoration

**Department of Geography**

Dan J. Smith, RES, MA (Wat), PhD (Alta), Professor and Chair of the Department

Philip Dearden, BA (Birm), MSc (MUN), PhD (UVic), Professor

Mark S. Flaherty, RES (Wat), MA (Guelph), PhD (McMaster), Professor

Harold D. Foster, BSc, PhD (Lond), Professor

C. Peter Keller, BA, (Dub), MA, PhD (WUniv), 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

J. Douglas Porteous, BA, MA (Oxon), PhD (Hull), Professor

S. Martin Taylor, BA (Bristol), GCE (Leeds), MA, PhD (UBC), Professor

Stanton E. Tuller, BA (Ore), MA, PhD (Calif, LA), Professor

David Duffus, BSc, MSc (Regina), PhD (UVic), Associate Professor

Michael C. R. Edgehill, BA (Birm), Conservation Dip (Lond), PhD (Birm), Associate Professor

Dennis E. Jelinski, BSc (Brandon), MSc (Calg) PhD (SFU), Associate Professor and Director of the Bamfield Marine Science Centre

Ian Walker, BSc (Tor), PhD (Guelph), Associate Professor

Rosaline Canessa, BSc (McGill), MSc (Heriot-Watt), PhD (UVic), Assistant Professor

Denise S. Cloutier-Fisher, BSc (Calg), MA, PhD (Guelph), Assistant Professor

Maycira Costa, HBSc (Rio Grande), MSc (Nat Inst for Space Research), PhD (UVic), Assistant Professor

Jutta Gutherlet, BA (Estadual de Sao Paulo), MA, PhD (Tubingen), Assistant Professor

Trisalyn Nelson, BSc, MSc (UVic), PhD (WLU), Assistant Professor

Ian J. O’Connell, BA, MA (Cork), PhD (UVic), Senior Instructor

John Fowler, BSc (Nfld), MSc (UVic), Senior Laboratory Instructor

John H. Newcomb, BA, MPA, MA (UVic), Senior Laboratory Instructor and Undergraduate Advising

Catherine Steckler, BSc, MSc (UVic), Senior Laboratory Instructor

Richard Sykes, BSc, MSc (UVic), Systems Administrator

Philip M. Wakefield, BSc, MA (UVic), PhD (Cantab), Senior Laboratory Instructor and Undergraduate Advising

**Visiting, Adjunct and Cross-listed Appointments**

Rene Alfaro, BSc (Chile), MSc, PhD (SFU), Adjunct Professor (2003-2006)
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.

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 Cornett B234. Arrangements to meet with the Geography Honours Adviser may also be made through the Geography General Office.

Limitation of Enrollment

Students are advised that because of limited facilities and staff it may be necessary to limit enrollment in certain Geography courses.

PROGRAM REQUIREMENTS

Notes on Course Requirements

1. All Departmental and course prerequisites will be strictly enforced.
2. 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

The Honours Program offers a valuable research experience. GEOG 499 students must attend the Honours Seminar, write an Honours Essay and defend the essay in an oral examination. 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. Entry requires successful completion of the first two years and a GPA of at least 6.0 in all second-year courses. Students wishing to enter at the end of their third year must have a GPA of at least 6.0 for all 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.

Honours Graduation Standing

An Honours degree "With Distinction" requires:
1. a graduating GPA of at least 6.5.
2. a GPA of at least 6.5 in 300- and 400-level Geography courses.
3. a grade of at least A- in GEOG 499

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.

BA Honours Program Requirements

First Year

GEOG 101A and 101B (see Note 1 below)...........3.0
Courses outside the Faculty of Social Sciences................3.0
Electives..........................................................9.0
Total Units.......................................................15.0

Second Year

GEOG 226 (see Notes 1 and 2 below)..............1.5
At least three courses from GEOG 110, 120, 211, 214, 222, 228 (see Notes 1 and 3 below) .......4.5
Course outside the Faculty of Social Sciences......................1.5
Electives................................................................7.5
Total Units.......................................................15.0

Third and Fourth Years

Minimum 15 upper-level Geography units as specified for the BA Major ..................15.0
GEOG 324 ................................................................1.5
GEOG 499 ................................................................3.0
Course outside the Faculty of Social Sciences......................1.5
Minimum 9.0 additional course units............. 9.0
Total Units.........................................................30.0

1. The following courses are prerequisites for several other courses, and require a minimum grade of B- for students to progress to the next level: GEOG 101A, 101B, 110 (EOS 110), 120 (EOS 120), 211, 214, 222, 228.
2. GEOG 226 and STAT 260: Students who have credited for an introductory statistics course before registering in either GEOG 226 or STAT 260 (see page 51).
3. Students interested in pursuing two or more areas from Geographical Methods, Physical Geography, the Urban Environment or Resource Geography should expect to take more than 9 units of Geography at the 100 or 200 levels check individual course descriptions for prerequisites. Additional Geography units can be applied against electives units.

BSc Honours Program Requirements

First Year

GEOG 101A (see Note 1 below).........................1.5
GEOG 110 and 120, or EOS 110 and 120 (see Note 1 below) .........................3.0
CSC 100 or 200 level.............................................1.5
MATH 100 and 101, or MATH 102 and 151.................3.0
Courses from Biology/Chemistry/Physics...........1.5
Course outside the Faculties of Science and Engineering, and Geography...............1.5
Electives..........................................................1.5
Total Units.......................................................15.0

Second Year

GEOG 226 (see Notes 1 and 2 below)..............1.5...
GEOG 222 (see Note 1 below) .........................1.5
At least one course from GEOG 101B, 211, 214, 228 (see Notes 1 and 3 below) ..........1.5
Other courses from the Faculties of Science and Engineering .................................4.5
Course outside the Faculties of Science and Engineering, and Geography ..........................1.5
Electives .........................................................................................................................4.5
Total Units .....................................................................................................................15.0

**Third and Fourth Years**

Minimum 15 upper-level Geography units as specified in the BSC Major ..................................15.0
GEOG 324 .........................................................................................................................1.5
GEOG 499 ........................................................................................................................3.0
Course outside the Faculties of Science and Engineering and Geography ..............................1.5
Minimum 9.0 additional course units .................................................................9.0
Total Units .....................................................................................................................30.0

1. The following courses are prerequisites for several other courses, and require a minimum grade of B- for students to progress to the next level: GEOG 101A, GEOG 101B, GEOG 110 (EOS 110), GEOG 120 (EOS 120), GEOG 211, GEOG 214, GEOG 222, GEOG 226, GEOG 228

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 Adviser before registering in either GEOG 226 or STAT 260 (see page 31).

3. Students interested in pursuing two or more areas from Geographical Methods, Physical Geography, the Urban Environment or Resource Geography should expect to take more than 9 units of Geography at the 100 or 200 levels; check individual course descriptions for prerequisites. Additional Geography units can be applied against electives units.

**BA Major Program Requirements**

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A and 101B (see Note 1 below) .................................................................3.0</td>
</tr>
<tr>
<td>Courses outside the Faculty of Social Sciences .....................................................3.0</td>
</tr>
<tr>
<td>Electives .....................................................................................................................9.0</td>
</tr>
<tr>
<td>Total Units ................................................................................................................15.0</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 226 (see Notes 1 and 2 below) .................................................................1.5</td>
</tr>
<tr>
<td>At least three courses from GEOG 110, 120, 211, 214, 228 (see Notes 1 and 3 below) .....4.5</td>
</tr>
<tr>
<td>Course outside the Faculty of Social Sciences .....................................................1.5</td>
</tr>
<tr>
<td>Electives .....................................................................................................................7.5</td>
</tr>
<tr>
<td>Total Units ................................................................................................................15.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third and Fourth Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least two courses from GEOG 322, 323, 325, 326, 328, 422, 428 ..........................5.0</td>
</tr>
<tr>
<td>At least two courses from GEOG 370, 372, 373, 374, 376, 379, 474, 475, 476, 477, 478 3.0</td>
</tr>
<tr>
<td>At least one additional course chosen from the 320s and 420s OR 370s and 470s above ....1.5</td>
</tr>
<tr>
<td>Minimum 7.5 additional upper-level Geography units chosen by the student ........7.5</td>
</tr>
<tr>
<td>Course outside the Faculties of Science and Engineering, and Geography ...............1.5</td>
</tr>
<tr>
<td>Minimum 13.5 additional course units ..............................................................13.5</td>
</tr>
<tr>
<td>Total Units ................................................................................................................30.0</td>
</tr>
</tbody>
</table>

1. The following courses are prerequisites for several other courses, and require a minimum grade of B- for students to progress to the next level: GEOG 101A, GEOG 101B, GEOG 110 (EOS 110), GEOG 120 (EOS 120), GEOG 211, GEOG 214, GEOG 222, GEOG 226, GEOG 228

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 Adviser before registering in either GEOG 226 or STAT 260 (see page 31).

3. Students interested in pursuing two or more areas from Geographical Methods, Physical Geography, the Urban Environment or Resource Geography should expect to take more than 9 units of Geography at the 100 or 200 levels; check individual course descriptions for prerequisites. Additional Geography units can be applied against electives units.

**2005-06 UVIC CALENDAR**

BA General and Minor Program Requirements

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A and 101B (see Note 1 below) .................................................................3.0</td>
</tr>
<tr>
<td>Courses outside the Faculty of Social Sciences .....................................................3.0</td>
</tr>
<tr>
<td>Electives .....................................................................................................................9.0</td>
</tr>
<tr>
<td>Total Units ................................................................................................................15.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 226 (see Notes 1 and 2 below) .................................................................1.5</td>
</tr>
<tr>
<td>At least three courses from GEOG 110, 120, 211, 214, 228 (see Notes 1 and 3 below) .....4.5</td>
</tr>
<tr>
<td>Course outside the Faculty of Social Sciences .....................................................1.5</td>
</tr>
<tr>
<td>Electives .....................................................................................................................7.5</td>
</tr>
<tr>
<td>Total Units ................................................................................................................15.0</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Third and Fourth Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum 9 upper-level Geography units chosen by the student ...............................9.0</td>
</tr>
<tr>
<td>Minimum 21 additional course units ...........................................................21.0</td>
</tr>
<tr>
<td>Total Units ................................................................................................................30.0</td>
</tr>
</tbody>
</table>

1. The following courses are prerequisites for several other courses, and require a minimum grade of B- for students to progress to the next level: GEOG 101A, GEOG 101B, GEOG 110 (EOS 110), GEOG 120 (EOS 120), GEOG 211, GEOG 214, GEOG 222, GEOG 226, GEOG 228

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 Adviser before registering in either GEOG 226 or STAT 260 (see page 31).

3. Students interested in pursuing two or more areas from Geographical Methods, Physical Geography, the Urban Environment or Resource Geography should expect to take more than 9 units of Geography at the 100 or 200 levels; check individual course descriptions for prerequisites. Additional Geography units can be applied against electives units.

**BA General and Minor Program Requirements**

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A (see Note 1 below) .................................................................1.5</td>
</tr>
<tr>
<td>GEOG 110 and 120, or EOS 110 and 120 (see Note 1 below) .....................................3.0</td>
</tr>
<tr>
<td>CSC 100 or 200 level ...............................................................................................1.5</td>
</tr>
<tr>
<td>MATH 100 and 101, or MATH 102 and 151 .............................................................3.0</td>
</tr>
<tr>
<td>Courses from Biology/Chemistry/Physics .................................................................3.0</td>
</tr>
<tr>
<td>Course outside the Faculties of Science and Engineering .........................................1.5</td>
</tr>
<tr>
<td>Electives .....................................................................................................................4.5</td>
</tr>
<tr>
<td>Total Units ................................................................................................................15.0</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 226 (see Notes 1 and 2 below) .................................................................1.5</td>
</tr>
<tr>
<td>GEOG 222 (see Note 1 below) .................................................................1.5</td>
</tr>
<tr>
<td>At least one course from GEOG 101B, 211, 214, 228 (see Notes 1 and 3 below) ........4.5</td>
</tr>
<tr>
<td>Course outside the Faculties of Science and Engineering, and Geography ...............1.5</td>
</tr>
<tr>
<td>Electives .....................................................................................................................4.5</td>
</tr>
<tr>
<td>Total Units ................................................................................................................15.0</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Third and Fourth Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least two courses from GEOG 322, 323, 325, 326, 328, 422, 428 .................5.0</td>
</tr>
<tr>
<td>At least two courses from GEOG 370, 372, 373, 374, 376, 379, 474, 475, 476, 477, 478 ..3.0</td>
</tr>
<tr>
<td>At least one additional course chosen from the 320s and 420s OR 370s and 470s above ....1.5</td>
</tr>
<tr>
<td>Minimum 7.5 additional upper-level Geography units chosen by the student ..........7.5</td>
</tr>
<tr>
<td>Course outside the Faculties of Science and Engineering, and Geography ...............1.5</td>
</tr>
<tr>
<td>Minimum 13.5 additional course units ..............................................................13.5</td>
</tr>
<tr>
<td>Total Units ................................................................................................................30.0</td>
</tr>
</tbody>
</table>

1. The following courses are prerequisites for several other courses, and require a minimum grade of B- for students to progress to the next level: GEOG 101A, GEOG 101B, GEOG 110 (EOS 110), GEOG 120 (EOS 120), GEOG 211, GEOG 214, GEOG 222, GEOG 226, GEOG 228

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 Adviser before registering in either GEOG 226 or STAT 260 (see page 31).

3. Students interested in pursuing two or more areas from Geographical Methods, Physical Geography, the Urban Environment or Resource Geography should expect to take more than 9 units of Geography at the 100 or 200 levels; check individual course descriptions for prerequisites. Additional Geography units can be applied against electives units.

**BSC General and Minor Program Requirements**

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A (see Note 1 below) .................................................................1.5</td>
</tr>
<tr>
<td>GEOG 110 and 120, or EOS 110 and 120 (see Note 1 below) .....................................3.0</td>
</tr>
<tr>
<td>CSC 100 or 200 level ...............................................................................................1.5</td>
</tr>
<tr>
<td>MATH 100 and 101, or MATH 102 and 151 .............................................................3.0</td>
</tr>
<tr>
<td>Courses from Biology/Chemistry/Physics .................................................................3.0</td>
</tr>
<tr>
<td>Course outside the Faculties of Science and Engineering, and Geography ...............1.5</td>
</tr>
<tr>
<td>Electives .....................................................................................................................4.5</td>
</tr>
<tr>
<td>Total Units ................................................................................................................15.0</td>
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</table>

<table>
<thead>
<tr>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 226 (see Notes 1 and 2 below) .................................................................1.5</td>
</tr>
<tr>
<td>GEOG 222 (see Note 1 below) .................................................................1.5</td>
</tr>
<tr>
<td>At least one course from GEOG 101B, 211, 214, 228 (see Notes 1 and 3 below) ........4.5</td>
</tr>
<tr>
<td>Other courses from the Faculties of Science and Engineering, and Geography ...........1.5</td>
</tr>
<tr>
<td>Total Units ................................................................................................................15.0</td>
</tr>
</tbody>
</table>
FACULTY OF SOCIAL SCIENCES

Electives.................................................................4.5
Total Units:.........................................................15.0

Third and Fourth Years
At least one course from GEOG 322, 323, 325, 326, 328, 422, 428 .................................1.5
At least one course from GEOG 370, 372, 373, 374, 376, 379, 474, 475, 476, 477, 478, 479, 480 1.5
At least one additional course chosen from the 320s and 420s or 370s and 470s above ..............................1.5
Minimum 4.5 additional upper-level Geography units chosen by the student..........................4.5
Minimum 21 additional course units ..................................21.0

Total Units:.........................................................30.0

1. The following courses are prerequisites for several other courses, and require a minimum grade of B- for students to progress to the next level:
   GEOG 101A, GEOG 101B, GEOG 110 (EOS 110), GEOG 120 (EOS 120), GEOG 211, GEOG 214, GEOG 222, GEOG 226, GEOG 228
   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 Adviser before registering in either GEOG 226 or STAT 260 (see page 31).

Combined Programs in Geography and Earth Sciences (Geoscience and Geotechnic)
The Department of Geography and the School of Earth and Ocean Sciences have designed two programs leading to a Combined BSc Combined Major or Honours Degree.

- The Geoscience program is aimed at students whose interests span the fields of Physical Geography and Earth Sciences.
- The Geotechnic program is intended to prepare students for a professional designation.

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 either of the programs. 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 one of these 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.

Geography and Earth Sciences (Geoscience) Program Requirements

First Year
GEOG 101A (see Note 1 below)..................1.5
EOS 110 and 120, or GEOG 110 and 120 (see Note 1 below)..........................3.0
CSC 100 or 110 ..................1.5
CHEM 101, 102 ..................1.5
MATH 100, 101 ..................1.5
PHYS 112 ..................1.5

Total Units:.........................................................15.0

Second Year
EOS 201, 202, 205, 240 (see Note 2 below)........6.0
GEOG 222 (see Note 1 below)..................1.5
GEOG 376 .................................1.5
CHEM 245 ..................1.5
MATH 201, 205 ..................3.0
PHYS 210 ..................1.5

Total Units:.........................................................15.0

Third and Fourth Years (BSc Combined Major)
GEOG 228 (see Note 1 below) ..................1.5
GEOG 226 or STAT 260 (see Notes 1 and 3 below) ..................1.5
EOS 340 ..................1.5
EOS 300 or GEOG 370 ..................1.5
EOS 450 or GEOG 476 ..................1.5
EOS 403, 425, 430, 480 ..................1.5
Two of GEOG 322, 325, 328 ..................3.0
Minimum 9.0 additional upper-level Geography or EOS units chosen by the student ..................9.0
Minimum 7.5 additional course units ..................7.5

Total Units:.........................................................30.0

Third and Fourth Years (BSc Combined Honours)
GEOG 228 (see Note 1 below) ..................1.5
GEOG 226 or STAT 260 (see Notes 1 and 3 below) ..................1.5
EOS 340 ..................1.5
EOS 440 or GEOG 370 ..................1.5
EOS 450 or GEOG 476 ..................1.5
EOS 300 or GEOG 477 ..................1.5
One of EOS 403, 425, 430, 480 ..................1.5
Two of GEOG 322, 323, 325, 328 ..................3.0
EOS 499 or GEOG 499 ..................3.0
Minimum 9.0 additional upper-level Geography or EOS units chosen by the student ..................9.0
Minimum 4.5 additional course units ..................4.5

Total Units:.........................................................30.0

1. The following courses are prerequisites for several other courses, and require a minimum grade of B- for students to progress to the next level:
   GEOG 101A, GEOG 101B, GEOG 110 (EOS 110), GEOG 120 (EOS 120), GEOG 211, GEOG 214, GEOG 222, GEOG 226, GEOG 228.
   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 Adviser before registering in either GEOG 226 or STAT 260 (see page 31).

Geography and Earth Sciences (Geotechnic) Program Requirements

First Year
GEOG 101A ..................1.5
EOS 110 and 120, or GEOG 110 and 120 ..................3.0
CSC 100 or 110 ..................1.5
CHEM 101, 102 ..................1.5
MATH 100, 101 ..................1.5
PHYS 112 ..................1.5

Total Units:.........................................................15.0

Second Year
EOS 201, 202, 205, 240 (see Note 2 below) ........6.0
GEOG 222 (see Note 1 below) ..................1.5
GEOG 376 ..................1.5
CHEM 245 ..................1.5
MATH 201, 205 ..................3.0
PHYS 210 ..................1.5

Total Units:.........................................................15.0

Third and Fourth Years (BSc Combined Major)
GEOG 228 (see Note 1 below) ..................1.5
GEOG 226 or STAT 260 (see Notes 1 and 3 below) ..................1.5
EOS 340 ..................1.5
EOS 440 or GEOG 370 ..................1.5
EOS 450 or GEOG 476 ..................1.5
EOS 300 or GEOG 477 ..................1.5
One of EOS 403, 425, 430, 480 ..................1.5
Two of GEOG 322, 323, 325, 328 ..................3.0
EOS 499 or GEOG 499 ..................3.0
Minimum 9.0 additional upper-level Geography or EOS units chosen by the student ..................9.0
Minimum 7.5 additional course units ..................7.5

Total Units:.........................................................30.0

Third and Fourth Years (BSc Combined Honours)
GEOG 228 (see Note 1 below) ..................1.5
GEOG 226 or STAT 260 (see Notes 1 and 3 below) ..................1.5
EOS 340 ..................1.5
EOS 300 or GEOG 477 ..................1.5
EOS 440, 450, 480 ..................4.5
EOS 300 or GEOG 477 ..................1.5
GEOG 322, 328 ..................3.0
GEOG 370, 379 ..................3.0
GEOG 476 ..................1.5
Minimum 3 additional upper-level Geography or EOS units chosen by the student ..................3.0
Minimum 7.5 additional course units ..................7.5

Total Units:.........................................................30.0

1. The following courses are prerequisites for several other courses, and require a minimum grade of B- for students to progress to the next level:
   GEOG 101A, GEOG 101B, GEOG 110 (EOS 110), GEOG 120 (EOS 120), GEOG 211, GEOG 214, GEOG 222, GEOG 226, GEOG 228.
   GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course

...
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

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td><strong>Second Year</strong></td>
</tr>
<tr>
<td>CSC 110, 115, 212</td>
<td>CSC 225, 230</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td>ENGR 240 (see Note 1 below)</td>
</tr>
<tr>
<td>GEOG 101A, 101B</td>
<td>GEOG 222, 226, 228</td>
</tr>
<tr>
<td>MATH 102 and 151, or MATH 100 and 101</td>
<td>SENG 265</td>
</tr>
<tr>
<td>MATH 122</td>
<td>Electives</td>
</tr>
<tr>
<td>Electives</td>
<td>Electives</td>
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<tr>
<td><strong>Total Units:</strong> 15.0</td>
<td><strong>Total Units:</strong> 15.0</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Year</th>
<th>Fourth Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Third Year</strong></td>
<td><strong>Fourth Year</strong></td>
</tr>
<tr>
<td>CSC 360, 370</td>
<td>GEOG 422, 428</td>
</tr>
<tr>
<td>GEOG 319 or 322 (see Note 2 below)</td>
<td>GEOG 405 or 426 (see Note 3 below)</td>
</tr>
<tr>
<td>GEOG 328 or 329</td>
<td>GEOG 400-level electives (see Note 4 below)</td>
</tr>
<tr>
<td>GEOG 323, 325</td>
<td>GEOG 400-level electives (see Note 5 below)</td>
</tr>
<tr>
<td>SENG 310</td>
<td>Electives</td>
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<td>CSC 300-level elective</td>
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<tr>
<td>Electives</td>
<td><strong>Total Units:</strong> 15.0</td>
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</table>

<table>
<thead>
<tr>
<th>Fourth Year</th>
<th><strong>Total Units:</strong> 15.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ENGL 225 can be substituted for ENGR 240.</td>
<td></td>
</tr>
<tr>
<td>2. Students interested in remote sensing wishing to advance to GEOG 422 are encouraged to take both GEOG 319 and 322.</td>
<td></td>
</tr>
<tr>
<td>3. CSC 405 requires MATH 233A as a prerequisite.</td>
<td></td>
</tr>
<tr>
<td>4. Students are encouraged to take GEOG 420.</td>
<td></td>
</tr>
<tr>
<td>5. 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.</td>
<td></td>
</tr>
</tbody>
</table>

Admissions to the Geography Co-op Program
Entry into the Geography co-op program is restricted 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 Geography courses and 5.0 overall. In addition to these grade and course requirements, admission will also be based on a student’s interests, abilities and the results of a formal interview.

Students interested in participating in the co-op program should normally apply in their first or second year of studies. Under special circumstances, students may also be admitted directly from high school (Early Admission) with a minimum equivalent qualification of a B average in Geography, English, and one other academic subject taken in the BC Provincial Government Grade 12 examinations. 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 and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum GPA of 6.0 in Geography courses and 5.0 overall. Each work term is recorded on the student’s official transcript of academic record (as COM, N or F). A student may withdraw from the Geography co-op program and graduate with the normal Geography BA or BSc degree without the co-op designation.

Work term credit by challenge, as outlined on page 43, 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.

Undergraduate Course Index

**First Year**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A (1.5)</td>
<td>Biophysical Systems and the Human Environment</td>
</tr>
<tr>
<td>GEOG 101B (1.5)</td>
<td>Introduction to Human Geography</td>
</tr>
<tr>
<td>GEOG 110 (1.5)</td>
<td>Introduction to the Earth System: I</td>
</tr>
<tr>
<td>GEOG 120 (1.5)</td>
<td>Introduction to the Earth System: II</td>
</tr>
</tbody>
</table>

**Comprehensive Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>GEOG 222 (1.5)</td>
<td>Geographic Information Systems: Introduction</td>
</tr>
<tr>
<td>GEOG 226 (1.5)</td>
<td>Introduction to Geographic Information Systems</td>
</tr>
<tr>
<td>GEOG 425 (1.5)</td>
<td>Geographic Information Systems and Human Response</td>
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<tr>
<td>GEOG 428 (1.5)</td>
<td>Geographic Information Systems and Human Response I</td>
</tr>
<tr>
<td>GEOG 429 (1.5)</td>
<td>Geographic Information Systems and Human Response II</td>
</tr>
</tbody>
</table>

**Geomatics**

<table>
<thead>
<tr>
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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>GEOG 319 (1.5)</td>
<td>Introduction to GIS</td>
</tr>
<tr>
<td>GEOG 320 (1.5)</td>
<td>Geostatistics and Spatial Databases</td>
</tr>
<tr>
<td>GEOG 321 (1.5)</td>
<td>Geographic Information Systems for Natural Science</td>
</tr>
<tr>
<td>GEOG 322 (1.5)</td>
<td>Special Topics in Geographic Information Systems</td>
</tr>
<tr>
<td>GEOG 323 (1.5)</td>
<td>Geostatistics and Spatial Databases</td>
</tr>
<tr>
<td>GEOG 324 (1.5)</td>
<td>Geographic Information Systems for Human Response</td>
</tr>
<tr>
<td>GEOG 325 (1.5)</td>
<td>Geographic Information Systems for Environmental Management</td>
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<tr>
<td>GEOG 326 (1.5)</td>
<td>Geographic Information Systems for Environmental Management I</td>
</tr>
<tr>
<td>GEOG 327 (1.5)</td>
<td>Geographic Information Systems for Environmental Management II</td>
</tr>
<tr>
<td>GEOG 328 (1.5)</td>
<td>Geographic Information Systems for Environmental Management III</td>
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<td>GEOG 329 (1.5)</td>
<td>Geographic Information Systems for Environmental Management IV</td>
</tr>
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<td>GEOG 330 (1.5)</td>
<td>Geographic Information Systems for Environmental Management V</td>
</tr>
<tr>
<td>GEOG 331 (1.5)</td>
<td>Geographic Information Systems for Environmental Management VI</td>
</tr>
<tr>
<td>GEOG 332 (1.5)</td>
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<td>GEOG 339 (1.5)</td>
<td>Geographic Information Systems for Environmental Management XIV</td>
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<td>GEOG 340 (1.5)</td>
<td>Geographic Information Systems for Environmental Management XV</td>
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<td>GEOG 341 (1.5)</td>
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<tr>
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<tr>
<td>GEOG 353 (1.5)</td>
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GEOG 344 (1.5) Urban Problems of Pacific Rim Developing Countries
GEOG 346 (1.5) Geography of Environment and Health
GEOG 440 (1.5) Interpreting the Suburban Landscape
GEOG 441 (1.5) The Design and Planning of Cities
GEOG 442 (1.5) Geography of Chinatowns and Chinese Migration
GEOG 444 (1.5) Urban Transportation and Land Use Planning
GEOG 445 (1.5) Social Planning and Community Development
GEOG 448 (1.5) Urban Social Geography and Planning

Regions, Cultures and Development
GEOG 347A (1.5) Geography of Economic and Cultural Developments: Developed World
GEOG 347B (1.5) Geography of Third World Development
GEOG 382 (1.5) Geography of Southeast Asia
GEOG 383 (1.5) Physical and Cultural Geography of China
GEOG 384 (1.5) Geography of Japan
GEOG 385 (1.5) Environmental Aesthetics
GEOG 386(1.5) World Political Geography
GEOG 387 (1.5) Making of the Canadian Landscape
GEOG 388 (1.5) Regional Studies
GEOG 431 (1.5) Geography of Tourism
GEOG 482 (1.5) Special Topics in the Geography of Southeast Asia
GEOG 483 (1.5) Political and Economic Geography of China
GEOG 485 (1.5) Landscapes of the Heart

Resource Geography
GEOG 350 (1.5) Geography of Resource Management
GEOG 353 (1.5) Coastal and Marine Resources I
GEOG 357 (1.5) Protected Areas: Principles and Concepts
GEOG 371 (1.5) Water Resources Management
GEOG 375 (1.5) Forest Resource Management
GEOG 450(1.5) Decision Making in Resource Management
GEOG 453(1.5) Coastal and Marine Resources II
GEOG 454 (1.5) Geographical Dimensions of Energy Policy
GEOG 456 (1.5) Wildlife Resource Management
GEOG 457 (1.5) Protected Areas: Management Challenges
GEOG 458 (1.5) Marine Aquaculture: Social, Economic and Environmental Dimensions
GEOG 472 (1.5) Disaster Planning
GEOG 473 (1.5) Medical Geography

GEOG 473 (1.5) Medical Geography
GEOG 472 (1.5) Disaster Planning
GEOG 458 (1.5) Marine Aquaculture: Social, Economic and Environmental Dimensions
GEOG 454 (1.5) Geographical Dimensions of Energy Policy
GEOG 456 (1.5) Wildlife Resource Management
GEOG 457 (1.5) Protected Areas: Management Challenges
GEOG 458 (1.5) Marine Aquaculture: Social, Economic and Environmental Dimensions
GEOG 472 (1.5) Disaster Planning
GEOG 473 (1.5) Medical Geography

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.

The Honours program requires completion of:
1. 21 units of Political Science courses numbered at the 300 and 400 level and that include:
   - POLI 339
   - POLI 499
2. Either 6 units in one of the Groups I-IV or 6 units organized around a program of special study approved by the Honours Adviser and the student's supervisor

Honours Graduation Standing
Graduation with Honours in Political Science requires:
1. a graduating average of 5.5 or higher
2. an average of 5.5 or higher in the best 21 units of Political Science at the 300 and 400 levels
3. at least a grade of B in POLI 499

Department of Political Science
Colin J. Bennett, BSc, MSc Econ (Wales), PhD (III), Professor and Chair of the Department
A. Claire Cutler, BA (Brlt Col), MSc (LSE), LLB (McGill), PhD (Brlt Col), Professor
Arthur Kroker, BA (Windsor), MS (Purdue), PhD (McMaster), Professor and Canada Research Chair
Warren Magnusson, BA (Man), BPhil, DPhil (Oxon), Professor
James H. Tully, BA (Brlt Col), PhD (Camb), Professor
R. B. J. (Rob) Walker, BA (Wales), MA, PhD (Queen's), Professor
R. Jeremy Wilson, BA, MA (Alta), PhD (Brlt Col), Professor
Radhika Desai, BA (Baroda), MA, PhD (Queen's), Associate Professor
Avigail Eisenberg, BA (Alta), MA, PhD (Queen's), Associate Professor
Norman J. Ruff, BSc (Econ) (Southampton), MA (McMaster), PhD (McGill), Associate Professor and Emeritus Professor
Oliver Schmidke, Dipl (Phillips-Universität), PhD (European Univ. Inst., Florence) Associate Professor
Amy C. Verdun, MA (Amsterdam), PhD (European Univ. Inst., Florence), Associate Professor and Director of the European Studies Program (2003-2006)
Michael C. Webb, BA (Brlt Col), MSc (LSE), PhD (Stan), Associate Professor
Guoguang Wu, BA (Beijing), MA, PhD (Princeton), Associate Professor
Matt James, BA (Queen's), MA, PhD (Brlt Col), Assistant 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
Dennis Anholt, BA (Missouri State), MSW (Toronto), PhD (UVic), Adjunct Associate Professor
Herman Bakvis, BA (Queen's), MA, PhD (UBC), Adjunct Associate Professor
Robert Bedeski, B.A. (Calif), M.A. (Calif), Calif, PhD (Calif), Adjunct Professor and Emeritus Professor
Frank Cassidy, BBA (CCNY), AM, PhD (Stan), Cross-listed Associate Professor
Jeff Cornell, B.A. (Calif), M.A. (Arizona), PhD (Arizona), Cross-listed Assistant Professor
Gerald Dirks, B.A. (Brlt Col), MA (Queen's), PhD (Toronto), Adjunct Professor
David Flaherty, B.A. (Alberta), MA, PhD (Columbia), Adjunct Professor
Derek Fraser, LLB, BA (Brlt Col), Adjunct Professor
James Lawson, BA (Trent), MA (Dal), PhD (York), Limited Term Assistant Professor

Colin MacLeod, BA (Queen's), MA (Dal), MA, PhD (Cornell), Cross-listed Associate Professor
Peter Meekison, BSc, BA (Brlt Col), MA (WOnt), PhD (Duke), Adjunct Professor
J. Terence Morley, BA (Dal), PhD (Queen's), Adjunct Associate Professor and Emeritus Professor
Jeremy Rayner, BA (Camb), MA (Durham), PhD (Brlt Col), Adjunct Associate 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 210 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 A323) in the Cornett Building (721-7486) or from the Department's web page <web.uvic.ca/~polisci/index.htm>. Students intending to major in Political Science should consult the Department's Majors 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.

The Honours program requires completion of:
1. 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 203) in each of Groups I-IV
2. 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:
1. a graduating average of 5.5 or higher
2. an average of 5.5 or higher in the best 21 units of Political Science at the 300 and 400 levels
3. at least a grade of B in POLI 499
4. a successful oral presentation of the POLI 499 Honours paper

Graduation with Honours in Political Science “With Distinction” requires:
1. a graduating average of 6.5 or higher
2. an average of 6.5 or higher in the best 21 units of Political Science at the 300 and 400 levels
3. at least a grade of A- in POLI 499

Students in the Honours program who achieve a graduating average of 6.5 or higher but who receive a grade lower than A- in POLI 499 may elect to graduate with a Major degree “With Distinction” rather than with an Honours degree.

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:
1. 6 units of Political Science courses at the 100 and 200 levels, 4.5 of which must be chosen from POLI 101, 102, 210 and 240 with a grade of at least C+ in each of the courses being counted toward this requirement. 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.
2. 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.

Major students are also strongly encouraged to take at least one of the courses on political analysis (POLI 338, 339 or 351).

Seminar courses are open only to students registered as Political Science Majors or Honours, or to non-Majors having the permission of the instructor. Enrollment 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:
1. 6 units of courses numbered at the 100 or 200 level
2. 9 units of courses numbered 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:
1. POLI 211 and 311
2. 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.
3. 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 192. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 44.

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.

**Admissions to the Political Science Co-op Program**

Entry into the Political Science co-op program is restricted 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, abilities and the results of a formal interview.

Students interested in participating in the co-op program should normally apply in 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 alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfy all of the requirements of the co-op program and graduate with the normal Political Science BA degree without the co-op designation.

**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 the Political Science Guidebook. The guidebook will be published in May and copies will be available at the Department of Political Science office, UVic Undergraduate Records and the Advising Centre.

**First and Second Year**

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<th>POLI 101, 102</th>
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**Political Theory**

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**Comparative Politics**

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**Canadian Politics**

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**International Politics**

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**V Contemporary Themes and Issues in Political Science**

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*Core course

**2005-06 UVIC Calendar**

Work term credit by challenge, as outlined on page 43, 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.

**Department of Psychology**

Catherine A. Mateer, BA, MSc (Wisc, Madison), PhD (W Ont), Professor, Chair
Daniel N. Buh, BSc (Lond), MA, PhD (Roch), Professor
Robert D. Gifford, BA (Calif, Davis), MA, PhD (Syr), Professor
David E. 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
The Department of Psychology offers the following undergraduate programs of study: Honours, Major, Combined Biology and Psychology, General, and Minor. Students in the Honours and Major programs may proceed to either a BA or BSc degree in Psychology.

The Major and Honours programs in the Department of Psychology are designed to enable students to develop well-rounded familiarity with the main branches of the discipline (biological/neuropsychology; learning/cognition/perception; social/environmental; developmental; personality/abnormal) and to acquire in-depth knowledge of selected topics through 300- and 400-level requirements and electives that cover specialty areas. These programs also aim to provide students with (a) knowledge of the historical roots of psychology; (b) research methods; (c) computer, numerical and statistical skills; (d) written and oral communication skills; and (e) critical and creative thinking skills. These goals are accomplished through a core of lower-level and methodology courses and a broad array of upper-level courses, the content of which represents the broad research expertise of department members. The programs also provide opportunities for psychology-relevant work experiences through a co-operative work program and via field placements in community settings.

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. This program will enable students to proceed to graduate study or professional training if sufficiently high standing is obtained.

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. Students planning to apply for graduate studies should plan to write the Graduate Record Examination at the end of their third year of study, although prospective Honours students are encouraged to express their interest during their third year.

The General program is available for students who seek a general background in preparation for entry into other fields. The choice among the Major, Honours, or General programs should be made as early as possible, with the help of an adviser at the Humanities, Science, and Social Sciences Advising Centre (A205, University Centre).

Planning for Graduate Studies

Students planning to apply for graduate studies should plan to write the Graduate Record Examination at the end of their third year of undergraduate work or during the fall of their fourth year. Applications must be received in Princeton, NJ at least six weeks prior to the time of writing. For more information including examination schedules, ask for a GRE Registration Bulletin from Counselling Services.

Limitation of Enrollment

Students are advised that because of limited staff and facilities, it may be necessary to limit enroll-
ment in certain courses. Course enrollment limits will be imposed during registration. Students will be admitted to Psychology courses only on the basis of stated prerequisites and priorities. Students who have declared a program may be granted preferential enrollment in 300- and 400-level courses, and those who are declared Psychology majors may be granted additional preferential enrollment privileges.

**Program Requirements**

**Notes on Course Requirements**

1. Core requirements for Honours and Majors degree programs:
   - 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
   - a combined GPA of at least 3.0 (C+) in the 4.5 units
   - 1.5 units of English composition

2. Until the Core requirements are satisfied, a student will be denied permission to declare a program in Psychology and will be unable to register in 300A or 300B.

3. It is strongly recommended that students take 300A and 300B in consecutive terms and with the same instructor if possible.

4. The following options are available to meet the breadth requirement of Psychology programs:
   - Biological/Neuropsychology: PSYC 315, 323, 324, 345A, 415A-B
   - Developmental: PSYC 335, 336, 339, 342, 435A-F, 441

**Honours Program**

Graduating with Honours entails (a) meeting more stringent GPA and course requirements (specified below) than the Major degree and (b) 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). The Honours program is particularly recommended for students who hope to pursue an advanced degree in graduate school. Normally, the Honours thesis and seminar are completed in the student's final full year of undergraduate studies. Consistent with the regulations of the Faculty of Social Sciences, students should normally complete the requirements for an Honours program in four academic years (five years for students enrolled in the Co-operative Education Program). The Department recognizes, however, that many excellent students take more than four years to graduate, and any of such students who meet the other criteria for the Honours program are invited to consult with the Honours Adviser regarding an exemption from the four year requirement.

Students interested in the Honours program must consult with the Department of Psychology Honours Adviser early in the spring preceding the year in which they plan to undertake the Honours thesis and seminar. They should also talk to potential thesis supervisors well before the deadline for applying to the program. All prospective Honours students in their penultimate year are urged to attend the Department's annual Honours Information Session, which will be announced in upper-level courses. The deadline for submitting applications to the Honours program is May 31 preceding the year in which the Honours thesis and seminar are to be undertaken.

**Honours Program Admission Requirements**

Admission to the Honours program requires:

1. a minimum 6.5 GPA in all Psychology courses, and a minimum 5.0 GPA in all non-Psychology courses taken at post-secondary institutions

2. written agreement from a regular faculty member in the Department to serve as the thesis supervisor, and

3. permission of the Honours Adviser

Prospective Honours students must, by May 31, complete the Honours application form available from the General Office of the Department of Psychology (Cornett A234).

Based on these May applications, the Honours Adviser will make admission decisions about Honours students no later than the beginning of Registration (in late June).

Students who require Summer Session courses to qualify should see the Department of Psychology Honours Adviser.

**Honours Program Requirements**

The Honours Program requires completion of 63 units.

Course requirements for a BA or BSc in the Honours program are the same as for the Major program with the following additions:

- Students must meet minimum grade requirements for a total of 19.5 units of Psychology courses numbered 300 and above.
- Students must obtain credit for PSYC 400A, 401, 499 (with a grade of at least A- in 499), and two additional 400-level Psychology courses other than PSYC 490.
- Students must have a minimum 5.0 GPA for all non-Psychology courses taken at UVic.

**Honours Graduation Standing**

Students meeting the requirements for an Honours degree specified in the preceding section will graduate with an Honours degree in Psychology. Students will receive an Honours degree "With Distinction" if, in addition to the requirements for an Honours degree, they obtain:

1. a graduating average of at least 6.5
2. a GPA of at least 7.0 for all 300- and 400-level Psychology courses taken at UVic
3. a minimum GPA of 5.0 in all non-Psychology courses taken at UVic

Students who fail to complete all the requirements for the Honours degree, including those students who achieve less than an A- in PSYC 499, may graduate with a Major degree if they have met all the requirements for that degree; any of these students with a graduating average of 6.5 or higher will be awarded a Major degree "With Distinction."

**Major Program Requirements**

Students interested in the Major Program should consult the Academic Advising Centre (A205, University Centre) as early as possible. Once they have satisfied all the first- and second-year core course requirements, and no later than their final term before achieving fourth-year standing (42 units), students should declare their Major in Psychology at the Academic Advising Centre.

Students who have declared a Major in Psychology may be granted preferential enrollment privileges in upper-level courses.

**Psychology Requirements**

**Core Courses (see Note 1 above)**

- 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

**Upper-level Courses**

- PSYC 300A and 300B (see Note 2 above) with a grade of at least C in each

Additionally, 12 units of Psychology numbered 300 and above which include at least 1.5 units from each of the groups listed under Psychology Breadth Requirements above, at least one of which is a 400-level course other than PSYC 400A, 401, 490 or 499

**Requirements Outside Psychology**

- **Computer Science:** 1.5 units of 100- or 200-level Computer Science (students with little or no previous computing experience should consider CSC 100 or 105; students with high computer literacy should choose a more advanced Computer Science course)
- **English:** 3.0 units, including at least 1.5 units of English Composition chosen from ENGL 115, 125, 135, 145, 215, 225, ENGR 240, WRIT 100 or 102
- **Philosophy:** any 1.5 units; recommended courses include PHIL 100, 201, 203, 220, 223, 304A, 306, 310, 342A, 420, 453, 460

Note: An additional 1.5 units of Philosophy is required if PHIL 201, 203 or 304A is taken to satisfy the Mathematics and logic requirement

- **Social Sciences:** 3 units in any combination of courses in Anthropology, Economics, Environmental Studies, Geography or Political Science

Note: Sociology courses are encouraged as adjuncts to the Psychology program, but do not fulfill the Social Sciences breadth requirement.

**Electives**

As per Faculty of Social Sciences regulations (see page 189).

**Requirements for the Major Degree**

**Requirements Specific to the Bachelor of Arts (BA) Degree**

- Biology (3 units):
  - One of BIOL 150A, 190A, 215
  - One of BIOL 150B, 190B
- Mathematics and logic
  - 1.5 units chosen from MATH 100, 102, 151, 200, 201, 203, 304A
- 9 additional units from the Faculty of Humanities or the Faculty of Fine Arts.
Many careers demand some form of oral presentation. We strongly recommend that all students enrol in a public speaking course, such as THEA 150.

**Individual Studies and Directed Readings**

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 3.5 in the last 15 units attempted. Other course numbers 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 Departmental undergraduate adviser.

**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 neuropsychology, human biology, medicine, dentistry, or nursing. Students should consult with undergraduate advisers in both departments when planning their course schedules.

**Major Program**

**Core Course Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A, 190B (or 210 and 220)</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 100A, 100B</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 225</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 201</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 210</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 215A</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total core</strong></td>
<td><strong>12.0</strong></td>
</tr>
</tbody>
</table>

**Upper-level Biology and Psychology Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 365</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 404</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 409A</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 432</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 309 or 345 or 409B</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 323</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 345A</td>
<td>1.5</td>
</tr>
<tr>
<td>PSYC 351 or 415B</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 490 or PSYC 390</td>
<td>1.5</td>
</tr>
<tr>
<td>Upper-level BIOS or PSYC elective</td>
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</tr>
<tr>
<td><strong>Total BIOS and PSYC units</strong></td>
<td><strong>15.0</strong></td>
</tr>
<tr>
<td><strong>Minimum Biology and Psychology units</strong></td>
<td><strong>27.0</strong></td>
</tr>
</tbody>
</table>

**Other Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 125, 135, 145, 215</td>
<td>3.0</td>
</tr>
<tr>
<td>2 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 261</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 100 or 102 or 151</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 101 and 102</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 231 and either 232 or 235</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOS 200</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total units</strong></td>
<td><strong>60.0 or 61.06</strong></td>
</tr>
</tbody>
</table>

**Other Courses of Potential Interest (Electives)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 215 (required for BIOL 345)</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 230 (required for BIOL 360)</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 307</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 360 (required for BIOL 309)</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 361</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 321 and 322</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 335</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 400</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOS 300 (required for BIOL 360, 361, medical school)</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 101 or other MATH courses</td>
<td>3.0</td>
</tr>
<tr>
<td>PHIL 100, 201/203, 220, 342A, 460</td>
<td>3.0</td>
</tr>
<tr>
<td>PE 141</td>
<td>3.0</td>
</tr>
<tr>
<td>PE 241B</td>
<td>3.0</td>
</tr>
</tbody>
</table>
Notes

1. MATH 100 is prerequisite for MATH 101.
2. Minimum grade requirements:
   - PSYC 100A and 100B with a grade of at least C+ in each
   - PSYC 201, 210, 215A with a grade of at least C in each and a combined GPA of at least 3.0 in the 4.5 units
   - PSYC 202, 200A, 300B with a grade of at least C in each
3. These 9 units of 300 or 400 level PSYC above 300A and B must include:
   i. 1.5 units from each of the following groups: Biological/Neuropsychology: PSYC 315, 323, 324, 345A, 415A, 415B
   ii. At least one 400 level PSYC course other than PSYC 400A, 401, 490, or 499
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.

### Year 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A or 215, 190B</td>
<td>3.0</td>
</tr>
<tr>
<td>CSC 110, 115</td>
<td>3.0</td>
</tr>
<tr>
<td>ENG 115 or 135</td>
<td>1.5</td>
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<tr>
<td>MATH 122 and either 100 or 151 (See Note 1 below)</td>
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</tr>
<tr>
<td>PSYC 100A, 100B (see Note 2 below)</td>
<td>3.0</td>
</tr>
<tr>
<td>Elective</td>
<td>1.5</td>
</tr>
</tbody>
</table>

### Year 2

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CSC 212, 225, 230</td>
<td>4.5</td>
</tr>
<tr>
<td>ENGR 240</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 222 and either 101 or 102 (See Note 1 below)</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 201, 210, 215A (see Note 2 below)</td>
<td>4.5</td>
</tr>
<tr>
<td>SENG 265</td>
<td>1.5</td>
</tr>
</tbody>
</table>

### Year 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CSC 320</td>
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<tr>
<td>1 of CSC 322, 326, 360, 370</td>
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</tr>
<tr>
<td>PSYC 202, 300A, 300B (see Note 2 below)</td>
<td>4.5</td>
</tr>
<tr>
<td>PSYC 300 level (see Note 3)</td>
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<tr>
<td>SENG 310</td>
<td>1.5</td>
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<tr>
<td>Electives</td>
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</tbody>
</table>

### Year 4

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>CSC 421 or CENG 420</td>
<td>1.5</td>
</tr>
<tr>
<td>CSC 400 level (see Note 4 below)</td>
<td>4.5</td>
</tr>
<tr>
<td>PSYC 300/400 level (see Note 3 below)</td>
<td>6.0</td>
</tr>
<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
</tbody>
</table>

### 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 BA Major Degree. Students intending to pursue this combined program must consult the Undergraduate Adviser in either Psychology or Computer Science after completing all of the first-year requirements.

### Admissions to the Psychology Co-op Program

Entry into the Psychology co-op program is restricted 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 3.0 in Psychology courses and 3.0 overall. In addition to these grade and course requirements, admission will be based on a student's interests, abilities and the results of a formal interview.

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 alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum GPA of 6.0 in Psychology courses and 5.0 overall. Each work term is recorded on the student's official transcript of academic record (as COM, N or F). A student may withdraw from the Psychology co-op program and graduate with the regular BA or BSc degree in Psychology without the co-op designation.

Work term credit by challenge, as outlined on page 43, 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: Students in the Combined Major in Psychology and Computer Science

Students in the 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.
Honours Program Requirements

Students normally apply for entry into the Honours Program at the end of their second year. Entry requires a GPA of at least 6.75 in Sociology courses completed and normally a GPA of at least 6.0 in all courses completed. Applications are made directly to the Departmental Honours Adviser. Normally, students must maintain a GPA of at least 6.0 to remain in the Honours Program.

The Honours Program offers students the opportunity to write a Graduating Essay 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 in the Honours Program are also required to enroll in SOCI 499.

Students are referred to the Faculty of Social Sciences Honours Program Requirements, page 190.

Social Justice Concentration

SOCI 100, 202, 211
SOCI 308
SOCI 371A
SOCI 402, 481
SOCI 499

7.5 additional units in Sociology numbered 300 and above

Social Research Concentration

SOCI 100, 202, 211
SOCI 308
SOCI 371A
SOCI 371B
SOCI 374
SOCI 376
SOCI 412
SOCI 472
SOCI 499

7.5 additional units in Sociology numbered 300 and above
1. SOCI 210 or 308 is a prerequisite or a corequisite for SOCI 309, 402 and 412.
2. Enrollment in SOCI 371A requires completion of MATH 120 or Mathematics 12 (or equivalent) with a minimum grade of C, or completion of 1.5 units chosen from MATH 100, 102, 151.

Major Program Requirements

Social Justice Concentration

SOCI 100, 202, 211
SOCI 308
SOCI 374 or 376
SOCI 402 or 481

1. SOCI 210 or 308 is a prerequisite or a corequisite for SOCI 309, 402 and 412.
2. Enrollment in SOCI 371A requires completion of MATH 120 or Mathematics 12 (or equivalent)
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.

**Interdisciplinary Programs**

**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 133). 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, page 133).

**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: I
- ENGL 451 (1.5) Modern Canadian Fiction: II
- ENGL 452 (1.5) Modern Canadian Poetry: I
- ENGL 453 (1.5) Modern Canadian Poetry: II
- ENGL 454 (1.5) Early Canadian Poetry
- ENGL 457 (3.0) Traditions in Canadian Literature

- ENGL 458 (1.5) Comparative Studies in Contemporary French and English Canadian Literature
- ENGL 459 (1.5) Early Canadian Prose Literature

**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**

- FREN 389B (1.5) Quebec Cinema
- FREN 480 (1.5) The French-Canadian Novel from Origins to the Modern Period
- FREN 482 (1.5) Contemporary French-Canadian Novel
- FREN 484 (1.5) Contemporary French-Canadian Theatre
- FREN 485 (1.5) French-Canadian Poetry
- FREN 487 (1.5) Comparative Studies in Contemporary French and English Canadian Literature
- FREN 488D (1.5) French-Canadian Literature Outside Quebec

**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

**Theatre**

- THEA 414 (1.5) Studies in Canadian Theatre and Drama

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 133). 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, page 133). 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 selected from the following list:

**English**

- ENGL 413 (1.5) Studies in Film and Literature
- ENGL 414 (1.5) American Film Before World War II
- ENGL 414B (1.5) American Film After World War II
- 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

**French**

- FREN 385 (1.5) The Francophone World in Africa and the Caribbean
- FREN 389A (1.5) French Cinema
- FREN 389B (1.5) Quebec Cinema
**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 worldviews and ways of knowing. This is a General Program leading to the BA degree (see General Program, pages 133 and 191). 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, pages 133 and 192; Interfaculty Programs, pages 133 and 191).

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 133). If any course forms part of the student’s Honours, Major, or General program or other degree program, it cannot be used to fulfill the requirements for the Minor in Religious Studies.

Students in this program will be required to complete 6 units of core courses (RS 200A and 200B, and RS 301 and 302) as well as 6 units of electives (chosen from an approved list of 200–400 level courses from Humanities, Social Sciences and Fine Arts) for a total of 12 units.

Queries about this program should be directed to the Religious Studies Minor Program Director, c/o Office of the Dean of Humanities.

**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:

- assist international students in making the transition to a Canadian university
- provide a supportive academic environment to assist international students in making the transition to a Canadian university
- assist international students in developing their 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 essential. 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, CS 102 and CS 200) and 13.5 units of elective courses. Priority for enrollment in these courses will be given to students in the Diploma and Certificate Programs in Canadian Studies. Students in other programs may enroll 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 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 Peggy Faulds, Program Coordinator, Division of Continuing Studies; e-mail: pfaulds@uvcs.uvic.ca.

**Humanities Diploma Program**

*Faculty Coordinator, Dr. Jan Zwicky*

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 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 Dr. Diane Tolomeo, Department of English, or to Peggy Faulds, Program Coordinator, Division of Continuing Studies; e-mail: pfaulds@uvcs.uvic.ca.

**Diploma Program in Intercultural Education and Training**

*Chair, Program Steering Committee: Dr. Alison Precece*

The Interdisciplinary Diploma Program in Intercultural Education and Training (IE&T) 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, appointed as follows:

<table>
<thead>
<tr>
<th>Core courses</th>
<th>7.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td>7.5</td>
</tr>
</tbody>
</table>

**EITHER**

Practicum .......................................................... 3.0

or Final Project .................................................. 3.0

**OR**

Practicum .......................................................... 1.5

and Final Project .................................................. 1.5

**Core Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ED-D 423</td>
<td>1.5</td>
</tr>
<tr>
<td>Either HIST 358D or HIST 358G</td>
<td>1.5</td>
</tr>
<tr>
<td>IET 430</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**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**

Students are required to take:

1. PHIL 232 plus either PHIL 337 or PHIL 335
2. A further 6.0 units (or if PHIL 335 has been taken, a further 4.5 units) from a list of electives drawn from courses in a variety of disciplines, to bring the total number of credits counted toward the Minor to at least 9.0. At least 3.0 units must be at the 300 or 400 level. No more than 4.5 units from any one department may count toward the Minor.

Note: PHIL 335 may not be counted toward both a General, Major or Honours 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.
Division of Continuing Studies

Office of the Dean
Wesley J. Koczka, BA, BEd, MEd (Sask), EdD (BYU), Dean
Cheryl Rhode, Coordinator, Division Human Resources and Office Management

Administration
Wayne Bransdon, CA, BCom (Sask), Manager, Administrative Services
Timothy Smith, Senior Network Administrator
David Shaykewich, BSc (Man), Network Administrator and Programmer
Robert Newans, Network Administrator
John MacDonald, Network Administrator
Manesh Bhathella, Network Administrator
David Bakken, Network Administrator

Arts and Science Programs
Heather McRae, BRE (UBC), MSc (Oregon), Program Director
Peggy Faulds, BA (Lethbridge), MA (UVic), Program Coordinator
Janet King, BA (UVic), Program Coordinator
Didier Bergeret, BA, MA (Besançon), BEd (Alberta), Program Coordinator
Elizabeth Bowman, BA (UVic), Program Coordinator
Loredana Simpson, Program Coordinator

Business and Management Programs
Rhordon Wikkramatilleke, BA, MPA, PhD (UVic), Program Director
Patricia Webster, Program Coordinator
Lee Harrison, BA, MA (Syracuse), Program Coordinator
Raven Sanghera, BCom, MBA (UVic), Program Coordinator

Continuing Studies in Education
Roger Howden, BA (San Jose), MA (SFU), Program Director
Diane Anderson, BEd (Alberta), Program Coordinator
Janet Cauthers, BA (York), MA (Toronto), PhD (Washington), Program Coordinator

Continuing Studies Library Service
Carol Gordon, BA (Brack), MA (McMaster), MLibSc (UBC), PhD (McMaster), Head Librarian

Cultural Management Programs
Joy Davis, BA (UVic), MA (Toronto), Program Director
Brenda Weatherston, BA, MA (UVic), Program Coordinator
Lisa Mort-Putland, BA (Alberta), Program Coordinator

Distance Education Services
Katharine Seaborn, BA, MEd (UVic), MA (Northwestern), EdD (Deakin), Manager
Joyce Chan, BFA (UVic), Online Course Developer and Administrator/Distance Education Consultant
Judith Somers, BA (Wash State), Multimedia Designer and Producer/Distance Education Consultant
Susan Doner, BA (McGill), MA (UVic), Online Course Developer and Administrator/Distance Education Consultant
Jodi Blain, Bachelor of Music (Mount Allison), Online Course Developer and Administrator
Keith Webster, BA (UVic), Online Course Developer and Administrator/Distance Education Consultant
Manesh Bhathella, Online Help Desk Consultant

English Language Centre
Jacqueline Prowse, BA (UVic), MEd (Temple), Co-Director
Avril Taylor, BA (Bristol), MA (Surrey), Co-Director
Lily Chow, BEd (UVic), Program Coordinator
Christina Gambrell, Program Coordinator
Sandra Partridge, BA (UVic), Program Coordinator
Elaine Sutherland, BA (UVic), Program Coordinator
Deborah Shepherd, BA (Malaspina), Program Coordinator
Nancy Blundell, BA (UNBC), MA (UVic), Program Coordinator
Atarah Humphreys, BCom (Queens), Program Coordinator
Marc Bavin, BCom (UVic), Program Coordinator
Charlotte Sheldrake, BA, MEd (UVic), Program Coordinator
Byron Crossley, BA (UVic), ESL Online Course Developer

Health Sciences Programs
Faith Collins, BSc (Mt St Vincent), BA, MEd, EdD (Seattle), Program Director
Beverly Smith, BSc, MSc (UVic), PhD (Oxford), Program Coordinator
Jean Abrahamson, Program Coordinator

Promotion and Publications
Michael Turner, BA in Graphic Design (Middlesex), Manager
Joan Kew, Program Coordinator

Glenn Barker, Website Developer/Administrator
Matt Salik, Website Developer

Technology, Engineering, and Computing (TEC) Programs
Manfred Bultmann, MA (Germany), Program Director
Elisabeth Bach, MEd (Germany), Program Coordinator

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 3630 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 through the following publications:

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:
Undergraduate Registration Guide and Timetable (available in June from Undergraduate Records)
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:
• Adult and Continuing Education (Certificate Program)
• Business Administration (Certificate and Diploma Programs)
• Canadian Studies for International Students (Certificate and Diploma Programs)
• Career and Personal Planning (Diploma Program)
• Computer Based Information Systems (Certificate Program)
• Cultural Heritage Sector Leadership (Professional Specialization Certificate)
• Cultural Resource Management (Diploma Program)
• Environmental and Occupational Health (Certificate Program)
• Fine Arts (Diploma Program)
• Foundations in Indigenous Fine Arts (Certificate Program)
• French Language (Diploma Program)
• Heritage Conservation Planning (Professional Specialization Certificate)
• Humanities (Diploma Program)
• Intercultural Education and Training (Diploma Program)
• International Intellectual Property Law (Professional Specialization Certificate)
• Public Management (Certificate Program)
• Public Relations (Certificate Program)
• Restoration of Natural Systems (Certificate and Diploma Programs)
• Teaching English as a Foreign Language (Professional Specialization Certificate)
• Teaching English as a Second Language (Certificate Program)

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 e-mail to lmorgan@uvvm.uvic.ca. The Guide is also available at the above web address. Summer distance courses are listed in the Summer Studies 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 and Management
• Career Planning
• Education
• Fine Arts
• Health Sciences
• Languages
• Law
• Travel and Residential Study

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, English for Fine Arts, 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 Customs and Etiquette
• Jason’s World/Judy’s World

Online courses available at www.englishworld.ca include Beginner’s Writing, Intermediate Writing and Advanced Writing.

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

Island Medical Program

Dr. Oscar G. Casiro, MD, FRCPC
Head, Division of Medical Sciences (UVic)
Associate Dean, Island Medical Program (UBC)
Island Medical Program <web.uvic.ca/imp>

The Island Medical Program is an integral part of the University of British Columbia’s medical school expansion aimed to increase 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. In the initial phase of the expansion, 24 students will be admitted to each of the three medical programs: the Island Medical Program (IMP) at UVic, the Northern Medical Program (NMP) at UNBC, and the Vancouver-Fraser Medical Program (VFMP).

Students in the IMP will spend the first four months of their undergraduate medical program in Vancouver and the remainder of the first two years at UVic. During the more 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 within the Vancouver Island Health Authority. 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.admissions.med.ubc.ca>. Applications are submitted to the Faculty of Medicine at UBC.

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.

Academic Advice

Academic advising is available through the Office of the Division of Medical Sciences at UVic.
Research

S. Martin Taylor, BA (Bristol), MA, PhD (UBC),
Vice-President, Research

Richard K. Keeler, BSc (McGill), MSc, 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 Canadian Council on Animal Care. Grants facilitate 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. For industry contract research proposals, the Office of the Vice-President, Research works in close collaboration with the Innovation Development Corporation.

In addition, the Vice-President, Research oversees the activities of the interdisciplinary research centres.

British Columbia Institute for Co-operative Studies

Ian MacPherson, BA (Assumption U of Windsor), MA, PhD (W Ont), Professor

The Institute 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 Institute 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 Institute 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 Institute 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 Institute 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.

Centre for Addictions Research of B.C.

Tim Stockwell, PhD (University of London), Director

The Centre for Addictions Research of B.C. was formally established at the University of Victoria in 2003, through a gift from the B.C. Addiction Foundation. The mission of the Centre is to build nationally and internationally recognized networks of researchers and practitioners that foster research from a population health perspective. The aim of this research is advancement of knowledge of addictions and the effective prevention and treatment of addictions.

A key component of the Centre’s operations is its partnerships with the other three major universities in B.C.: the University of British Columbia, Simon Fraser University and the University of Northern British Columbia. The Centre’s work builds on the research strengths of the University of Victoria and the partner universities in B.C. which include expertise in the biomedical causes of addictions, the social cultural dimensions of addictions particularly related to youth and aboriginal health, and health service delivery to remote populations. The Centre also seeks ongoing partnerships with community agencies and government.

The constitutive principles of the Centre include commitments to utilizing the interest from the endowment, along with significant contributions from University of Victoria and other sources, to promote excellence in research and knowledge transfer, responding to the need for:

• interdisciplinary approaches to the prevention and treatment of addictions with a population health focus as the main perspective;
• research on cultural and social determinants that influence the etiology, prevention and treatment of addictions (e.g., specific to rural or urban environments, and school or work as health promotion sites);
• prevention and health service delivery strategies relevant for populations marginalized and frequently stigmatized by poverty, ethnicity, gender orientation, or occupation, particularly youth and aboriginal persons;
• evaluation of and support for best practices for the prevention and treatment of addictions;
• collaborations with knowledge users, including service providers, policy makers and the public in the identification of research priorities and in the dissemination of research-based knowledge;
• life-span perspectives that see the prevention of youth addictions as the cornerstone for healthy decisions across the lifespan.

Web: www.carbc.ubc.ca
E-mail: carbc@uvic.ca

Centre for Advanced Materials and Related Technology (CAMTEC)

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 nanoprobes, 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.

E-mail: CAMTEC@engr.uvic.ca
Telephone: (250) 721-6631

2005-06 UVIC CALENDAR
Centre for Biomedical Research

Ben F. Koop, BS, MS (Texas Tech), PhD (Wayne St), PDF (Caltech), Director

The Centre for Biomedical Research employs a multidisciplinary approach, with an emphasis on genetics, molecular biology and biotechnology, to promote interdisciplinary basic, translational and clinical biomedical research. Areas of expertise include genetic disease, environmental mutation, human genetics, molecular and developmental biology, cancer, genomics and evolution.

The Centre is a collaborative group of scientists and clinicians investigating genetic disease, the impact of environmental factors, cancer and genome research.

Co-operating University departments include Biology, Biochemistry and Microbiology, Computer Science, Anthropology, Integrated Energy Systems (IIESVIC), the Centre for Studies in Religion and Society, and the Environmental Studies Program. Research is done in collaboration with the BC Cancer Agency, Department of Fisheries and Oceans, BC Ministry of Environment, private companies and local hospitals. Graduate students wishing to take part in the work of the Centre must be registered with an appropriate University department. Personnel from the Centre and co-operating agencies participate in giving appropriate course work. Both master’s and doctoral work can be conducted through the Centre.

The Centre is financially supported through contributions from the University, granting councils, contract work, and donations from individuals, foundations and business. For further information, contact the Centre at 472-4067 or visit the Centre’s website at <web.uvic.ca/cbr>.

Centre for Community Health Promotion Research

Marcia Hills, RN, PhD, Director

The Centre for Community Health Promotion Research at the University of Victoria is engaged in multidisciplinary research to investigate the complex interrelatedness of the broad determinants of health, their impact on health, and systemic changes required to promote health, particularly at the community level. Researchers at the Centre direct their efforts at facilitating change within communities and health systems provincially, nationally and internationally by linking policy, practice and research.

The vision of the Centre is to create equitable conditions for health through research, practice and education. The Centre utilizes a multidisciplinary partnership research approach, particularly community-based research as a catalyst for health and social change. The Centre is applying to become a World Health Organization (WHO) Collaborating Centre, which will greatly enhance the Centre’s international collaborative network to support activities that promote the WHO’s mandate for international health work.

The Centre for Community Health Promotion Research:

• provides a supportive environment for multidisciplinary health research based on the broad determinants of health;
• creates infrastructure at the University of Victoria for collaborative community health research;
• maximizes opportunities to influence knowledge generation and exchange in order to build linkages between health research, policy and practice;
• uses a participatory framework that includes communities, researchers, policy/decision makers, practitioners and students;
• is responsive to community identified health issues;
• provides professional and educational development opportunities for students (graduate and undergraduate), researchers, health practitioners, government policy makers, academics and the public; and
• advances excellence in partnership research for health and social change.

Current Canadian Institutes for Health Research (CIHR) funded projects include: Transforming Primary Health Care from Rhetoric to Practice: Collaborative Action for Health and Social Change; and From the Margins: Collaborative Ac-

Centre for Earth and Ocean Research

Ross Chapman, BSc (McM), PhD (UBC), Director

The mission of the Centre for Earth and Ocean Research (CEOR) is to facilitate opportunities and partnerships in earth and ocean research and development at the University of Victoria. The Centre works closely with other University departments (both science and non-science) and outside agencies to facilitate interdisciplinary research. Outside agencies include the Institute of Ocean Sciences (Fisheries and Oceans, Canada); Pacific Geoscience Centre (Natural Resources Canada); and the Canadian Centre for Climate Modelling and Analysis (Environment Canada). As part of its role in the promotion of earth, ocean and atmospheric research, CEOR hosts a seminar series and research workshops to which CEOR’s broad membership and other interested individuals are invited.

CEOR also administers several research facilities and large research projects: the Canadian Marine Acoustic Remote Sensing (C-MARS) facility; the Canadian Consortium for Ocean Drilling (CCOD); and the Joint West Coast port of the Coasts Under Stress Project (CUS), for example.

Research topics which can be pursued under the auspices of this Centre include: geophysics and geology, both terrestrial and marine; physical, chemical, geological and biological oceanography; underwater acoustics; atmospheric and oceanic modelling and climate change.

Centre for Forest Biology

Barbara J. Hawkins, BSF(UBC), PhD (Cant), Department of Biology, Director

The purpose of the Centre is to carry out fundamental and applied research and to 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 (MOF) Research Branch. Also, associations with the forest industry and forest industry laboratories are maintained in order to ensure maximum technology transfer. The knowledge generated 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, water relations and gas exchange; plant and fungal molecular biology; 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.

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:

- three divisions
  - Globalization and Governance
  - Technology and International Development
  - Environment and Security;
- two institutes
  - International Institute for Child Rights and Development (IICRD)
  - Canadian Institute for Climate Studies (CICS); and
- several associates and affiliations, such as
  - International Women’s Rights Project

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 site at www.globalcentres.org.

Centre for Studies in Religion and Society

Conrad Brunk, BA, MA, PhD (Northwestern), Director
Murdith McLean, BA (Alberta), MA (Birmingham), DPhil (Oxford), Associate Director Programming

The Centre for Studies in Religion and Society was established at the University of Victoria in 1991 to foster the scholarly study of religion in relation to any and all aspects of society and culture, both contemporary and historical. The primary aim is to promote dialogue between religion and other aspects of human experience, especially concerning questions of human values, knowledge and technology. The Centre has a fundamental commitment to pluralism and will pursue a broad range of research interests not limited to any specific time, place, religion, or culture. It embodies the understanding that religious traditions continue to be formative of human reality and experience, and are the proper object of creative, rigorous inquiry, whether from a disciplinary or an interdisciplinary perspective.

The Centre encourages participation from scientists, social scientists, humanists, and academics in professional schools; it addresses some of the major questions facing society by bringing together academics from a variety of disciplines; it seeks to bridge the gap between university and community by promoting dialogue between academics and the lay public.

The Centre pursues these objectives through research fellowships, interdisciplinary research, lectures, seminars, conferences, publications, library acquisitions and other academic activities. For further information, visit our website at <www.crs.s.uvic.ca> or e-mail the Centre at crs@uvic.ca.

Centre for Youth and Society

Bonnie J. Leadbeater, BSc, MAEd (Ottawa), PhD (Columbia), Co-Director
Ted J. Riecken, BA, MEd (Sask), EdD (Brit Col), Co-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 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 to 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 co-operatively generate and disseminate knowledge concerning the strengths, challenges, opportunities and problems of youth.

The specific goals of the Centre are to:

- advance research on adolescent health and development
- train specialists in research, education and health care of adolescents
- disseminate research-based information about youth and their communities
- advocate for youth with policy-makers and governing bodies

Several faculty members of the Centre are working together with community partners on the interdisciplinary Community Alliances for Health Research (CAHR) project funded by the Canadian Institutes for Health Research until 2006. This project “Healthy Youth in a Healthy Society” is addressing ways in which to prevent youth injuries. Other areas of research include youth health, recreation, maturity, social competence, community-youth involvement, victimization, bullying and depression.

Website: http://www.youth.society.uvic.ca
E-mail: ysr@uvic.ca

Centre on Aging

David E. Hultsch, BA (Lycoming Coll), MA, PhD (Syr), (Lansdowne Professor of Psychology), Director

Research Areas: cognitive and personality development in adulthood and aging, assessment of dementia, longitudinal methods

Neena L. Chappell, BA (Car), MA, PhD (McM), FRSC, CRC, (Professor, Sociology), Professor
Research Areas: health care, social policy, informal and formal support, aging and ethnicity, utilization of services

Holly Tuokko, BA(Hons), MA (Lakehead), PhD (UVic), R Psych, (Professor, Psychology), Professor
Research Areas: mental health and aging, competency, end-of-life decision-making, geriatric assessment, dementia

Margaret Penning, BA (Win), MA (Man), PhD (Alta), (Associate Professor, Sociology), Associate Professor
Research Areas: chronic illness and disability among older adults, social support and well-being, informal and formal care

Denise Cloutier-Fisher, BA (Calg), MA, PhD (Guelph), (Assistant Professor, Geography), Assistant Professor
Research Areas: individual and population health, long-term care restructuring, coping skills, health system performance and integrated service delivery, project and program evaluation, family dynamics: mental health and substance abuse

Patrick McGowan, BA, MSW, PhD (UBC), (Assistant Professor, Social Sciences), Assistant 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

2005-06 UVIC CALENDAR
RESEARCH

Kelli L. Stajduhar, BSN (UVic), MSN, PhD (UBC), Assistant Professor, Research Coordinator

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

Julie Shaver, BA, MA (UVic), Research Coordinator

Lindsay Cassie, Secretary

Kerri Bates, Project Administrator

Lois Edgar, BA (Alta), Administrative Coordinator

Anita Jessop, Project Secretary

Phyllis MccGee, BA (York), MEd, EdD (Toronto), Research Associate

The Centre on Aging is a multidisciplinary research centre established to advance knowledge throughout the life course with an emphasis on aging. The Centre conducts and facilitates applied and basic research in the social and behavioural sciences, health care and service delivery. Examples of research the Centre promotes: needs assessments and social surveys, experimental research, program evaluations, development of clinical diagnostic tools and social policy research.

Research conducted at the Centre on Aging is undertaken in collaboration with the community, government, and academics across a wide variety of disciplines. Centre researchers are drawn from many faculties, departments, and schools, including Anthropology, Child and Youth Care, Economics, Geography, Human and Social Development, Health and Information Science, Law, Nursing, Physical Education, Public Administration, Philosophy, Psychology, Social Work and Sociology.

The Survey Research Centre (SRC) is the Centre's new "state-of-the-practice" facility. It has workstations employing up-to-date computer-assisted telephone interviewing (CATI) software and web-based questionnaires. The SRC assists with research by using random digit dialing (RDD) methods or targeted lists provided by clients. The SRC is also equipped with notebook computers for face-to-face interviews or other field research.

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, and Centre publications.

The Centre is financially supported through contributions from the University, granting councils, contract work, and donations from individuals, foundations, and business. For further information, contact the Centre at 721-6369 or visit the Centre's website at: <www.coag.uvic.ca>.

Institute for Dispute Resolution

Maureen Maloney, LLB (Warwick), LLM (Toronto), Director

Tara Ney, BA Hons, MADR (UVic), PhD (Southampton), R. Psych, Adjus

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 administers an interdisciplinary graduate program in public sector dispute resolution. An interdisciplinary Master of Arts in Dispute Resolution is offered through the Faculty of Human and Social Development. Professional development workshops are also offered in cooperation with the Division of Continuing Studies. The Institute receives support from the University, external research funding and contract work.

Institute for Integrated Energy Systems (IESVic)

Ned Dijilali, BSc (Hatfield Polytechnic), MS (Imperial College, London), PhD (Brit Col), PEng, Director (on sabbatical leave from September 2004–August 2005)

Peter Wild, BASc (UBC), PhD (UVic), Acting Director (until August 31, 2005)

Lawrence Pitt, BSc, MSc (Alberta), PhD (U of Vic), Research Coordinator

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.

Laboratory for Automation, Communication and Information Systems Research (LACIR)

Colin Bradley, BASc (UBC), MS (Heriot-Watt), PhD (UVic), Director

Founded at the University in 1987, LACIR exists to promote research in information, communication and automation systems. Its main role is to act as a liaison for the B.C. Innovation Council (BCIC), promoting BCIC funding programs at UVic.

LACIR is an on-campus, cross-disciplinary research centre. University members include over 80 faculty and staff engaged in robotics, microelectronics, communication and information research, and represent the diverse fields of chemistry, computer science, engineering, geophysics, health informatics, linguistics, music, philosopy, physics and earth and ocean sciences. Specific research areas include software systems and software engineering, artificial intelligence, VLSI, robotic controls, signal processing, CAD/CAM, speech synthesis, energy systems modelling, and adaptive optics.

LACIR encourages collaborative research among its members, and with industry, government and other BC universities. Research results and new technology can be transferred to industry for commercial development. LACIR also promotes education in advanced systems.

As well as working with BCIC, 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.
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 220. A list of the course abbreviations and their corresponding subject areas is presented on page 221.

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 <www.uvic.ca/timetable>. 
# Courses by Faculty

## Faculty of Business
- **COM** Commerce
- **ENT** Entrepreneurship
- **HOS** Hospitality
- **HSM** Hospitality Services Management
- **IB** International Business

## Faculty of Education
- **AE** Art Education
- **ED-D** Educational Psychology and Leadership Studies
- **ED-P** Secondary Teacher Education
- **EDCI** Curriculum and Instruction Studies
- **IA** Interdisciplinary Arts
- **ME** Music Education
- **PE** Physical Education Instruction
- **SNSC** Social and Natural Sciences Education
- **TL** Teacher-Librarianship

## Faculty of Engineering
- **CENG** Computer Engineering
- **CSC** Computer Science
- **ELEC** Electrical Engineering
- **ENGR** Engineering
- **MECH** Mechanical Engineering
- **SENG** Software Engineering

## Faculty of Fine Arts
- **ART** Visual Arts
- **CW** Creative Writing (En’owkin Centre)
- **FA** Fine Arts
- **HA** History in Art
- **MUS** Music
- **THEA** Theatre
- **WRIT** Writing

## Faculty of Human and Social Development
- **ADMN** Public Administration
- **CYC** Child and Youth Care
- **CYCB** Aboriginal Community-based Child and Youth Care

## Faculty of Humanities
- **ARTS** Arts
- **CHIN** Chinese
- **ENGL** English
- **FREN** French
- **GER** German
- **GERS** Germanic Studies
- **GREE** Greek
- **HIST** History
- **HUMA** Humanities
- **ITAL** Italian
- **JAPA** Japanese
- **LATI** Latin
- **LING** Linguistics
- **MEDI** Medieval Studies
- **MEST** Mediterranean Studies
- **PACI** Pacific and Asian Studies
- **PHIL** Philosophy
- **PORT** Portuguese
- **RUSS** Russian
- **SEA** Southeast Asia
- **SLAV** Russian Studies
- **SPAN** Spanish
- **WS** Women's Studies

## Faculty of Law
- **LAW** Law

## Faculty of Science
- **ASTR** Astronomy
- **BIOC** Biochemistry
- **BIOL** Biology
- **HINF** Health Information Science
- **HSD** Human and Social Development
- **IGOV** Indigenous Governance
- **NURS** Nursing
- **SOW** Social Work
- **HINF** Health Information Science
- **HSD** Human and Social Development Interdisciplinary
- **IGOV** Indigenous Governments Certificate Program and MA in Indigenous Governance
- **NURS** School of Nursing
- **SOCW** School of Social Work
- **LAW** Department of Physics and Astronomy
- **BIOC** Department of Biochemistry and Microbiology
- **BIOL** Department of Biology
Courses By Subject Area

Aboriginal Community-based Child and Youth Care ............... CYCB
Faculty of Human and Social Development
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
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
Chinese ..................................................... CHIN
Faculty of Humanities
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
Education Studies ....................................... EDUC
Faculty of Education
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
Fine Arts ................................................... FA
Faculty of Fine Arts
French ....................................................... FREN
Faculty of Humanities
Geography ................................................ GEOG
Faculty of Social Sciences
<table>
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<tr>
<th>Course</th>
<th>Department</th>
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<tbody>
<tr>
<td>German</td>
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<td>Germanic Studies</td>
<td>Faculty of Humanities</td>
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<td>Greek</td>
<td>Faculty of Humanities</td>
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<td>Greek and Roman Studies</td>
<td>Faculty of Humanities</td>
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<tr>
<td>Health Information Science</td>
<td>Faculty of Human and Social Development</td>
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<td>History</td>
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<td>History in Art</td>
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<td>Hospitality</td>
<td>Faculty of Business</td>
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<td>Hospitality Services Management</td>
<td>Faculty of Business</td>
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<td>Human and Social Development</td>
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<td>Humanities</td>
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<td>Indigenous Governance</td>
<td>Faculty of Human and Social Development</td>
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<td>Indigenous Studies</td>
<td>Interdisciplinary Programs</td>
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<td>Intercultural Education and Training</td>
<td>Interdisciplinary Programs</td>
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<td>Interdisciplinary Arts</td>
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<td>International Business</td>
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<td>Marine Science</td>
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<td>Mathematics</td>
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<td>Mechanical Engineering</td>
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<td>Music Education</td>
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<td>Nursing</td>
<td>Faculty of Human and Social Development</td>
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<td>Pacific and Asian Studies</td>
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<td>Philosophy</td>
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<td>Psychology</td>
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<td>Public Administration</td>
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<td>Religious Studies</td>
<td>Interdisciplinary Programs</td>
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<td>Russian</td>
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<td>Science</td>
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<td>Secondary Teacher Education</td>
<td>Faculty of Education</td>
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<tr>
<td>Social and Natural Sciences Education</td>
<td>Faculty of Education</td>
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<td>Social Work</td>
<td>Faculty of Humanities</td>
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<td>Sociology</td>
<td>Faculty of Human and Social Development</td>
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<td>Software Engineering</td>
<td>Faculty of Social Sciences</td>
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<td>Southeast Asia</td>
<td>Faculty of Humanities</td>
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<tr>
<td>Statistics</td>
<td>Faculty of Humanities</td>
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<td>Teacher-Librarianship</td>
<td>Faculty of Science</td>
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<tr>
<td>Theatre</td>
<td>Faculty of Education</td>
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<tr>
<td>Visual Arts</td>
<td>Faculty of Fine Arts</td>
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<tr>
<td>Women's Studies</td>
<td>Faculty of Humanities</td>
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<tr>
<td>Writing</td>
<td>Faculty of Fine Arts</td>
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</table>
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 221 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.

Course descriptions do not include information on when courses will be offered. That information is available online at <www.uvic.ca/timetable>.

See page 220 for a list of courses offered by each faculty and page 221 for a list of course abbreviations.

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

SAMP 101
Units: 1.5
Hours: 3-0-1
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

Grading
Courses that are not graded using standard letter grades will include the alternative classifications for evaluation. See page 35 for an explanation of grading abbreviations.
**ACAN**

**Arts of Canada**
Program in the Arts of Canada
Interdisciplinary Programs

**ACAN 225**  
Units: 3  
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 not be given for both ACAN 225 and 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, ECON 201.

**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. The course will focus 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**
This course focuses on 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. Managing organizational change is used as a way to connect manager behaviours and organizational processes.

**ADMN 314**  
Units: 1.5

**Public Sector Research and Analysis**
This course is 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 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**
This course explores the challenges facing managers who use contracts and partnerships with governments, private corporations or third sector organizations as vehicles for policy development, infrastructure creation or service delivery. The focus is on developing an analytical framework for forming, managing and evaluating partnerships and contractual agreements. Topics include strategic partnership planning, the partnership formation process, and ongoing management including performance measurement, financial management and ethical considerations.

**ADMN 409**  
Units: 1.5

**Leading and Managing in the Non-Profit Sector**
This course will provide 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 between 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. The course will include analysis of current theories of policy-making and will examine 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**
This course gives 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. The course will begin with an introduction to 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. The course will focus 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, 519.

**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**
This course 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. In addition, the course 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 logic, 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
A study of selected topics drawn from the current literature and practices in public administration or related fields.

**Prerequisites:** 423 or equivalent, 445 and 452.

ADMN 470 Units: 1.5-3

**Contemporary Topics in Administration**

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.

**Prerequisites:** 423 or equivalent, 445 and 452.

ADMN 477 Units: 1.5

**Strategic Planning and Project Management**

Examines strategic planning processes and project management for public sector organizations. Strategic planning topics include environmental scanning; transforming strategic plans into policies and programs; linking plans to policy development; management tactics; and assessing organizational performance. Project management is conceptualized as a part of implementing strategic plans and includes defining project scope; project life-cycle; planning; quality control; scheduling and critical path analysis; budgeting; team building; problem solving; progress assessment; completion; and project evaluation.

**Prerequisites:** 310 or equivalent, or ECON 103, formerly 201.

ADMN 486 Units: 1.5

**Local Government Land Use Planning**

Focusing on small and mid-sized communities, this course provides an overview of land use planning principles and regulations to local government administrators and staff. Topics include: history; regulatory framework in BC; rural and small town planning; growth management and regional planning; neighborhood, 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 470 taken in the same topic.

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.

ADMN 465 Units: 1.5

**Local Government Policy**

Analysis of legislation and court decisions applicable to local governments in British Columbia, including the Community Charter. The course is 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 Law**

**Notes:**

- **Prerequisites:** 423 or equivalent, 445 and 452.
- **Note:** May be taken more than once for credit in different topics.

AE 103 Units: 3 Hours: 3-1

**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, 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 205 Units: 1.5 Hours: 3-1

**Two-Dimensional Art**

Teaching methods, techniques and studio investigation of media in drawing, painting, design, printmaking and other two-dimensional art.

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 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.

**Note:** Consent of an art education adviser required if 303 already completed.

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 for 306 available from MacLaurin A430 or at <www.educ.ca/edc>.

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 critique strategies.

**Note:** Credit will be granted for only one of 309, 303.

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 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
edcational settings from simple technologies such as photograph 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
- **Electronic Art**
  - An introductory survey of electronic art creation through computer and video technologies; generating, scripting, storyboarding, and producing with a focus on 3D modeling and animation, presentational and interactive authoring, soundtracking, graphics development, and video production and editing; instructional, artistic, and commercial applications.

**AE 401**
- **Units:** 1.5 or 3
- **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 Electronic Art**
  - An advanced exploration of electronic arts production through computer and video technologies. Individual multimedia projects will be created using 3D modeling and animation, presentational and interactive authoring, sound tracking, graphics development, and video production and editing.
  - **Note:** Credit will be granted for only one of 422, 402J in a degree program.
  - **Prerequisites:** 322.

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**ANTH**

**ANTH 100**
- **Units:** 1.5
- **Hours:** 3-0
- **Formerly:** 100A and B
- **Introduction to Anthropology**
  - An introductory survey of the sub-fields of anthropology: biological anthropology, archaeology, cultural and social anthropology. Topics include the human fossil record, the archaeological record from stone age cultures to urban civilizations, and examination of contemporary human societies, drawn from various levels of complexity.
  - **Note:** Credit will not be granted for 100 and 100A, 100B.

**ANTH 200**
- **Units:** 1.5
- **Hours:** 2-2
- **Formerly:** 200A and B
- **Cultural and Social Anthropology**
  - An introduction to the analysis of sociocultural systems. Major topics include subsistence, production and distribution, social organization, politics, religion, kinship, symbolic systems and culture change.
  - **Note:** Credit will not be given for 200 and 200A, 200B.
  - **Prerequisites:** 100.

**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:** 100.

**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:** 100.

**ANTH 300A**
- **Units:** 1.5
- **Hours:** 3-0
- **Formerly:** part of 300
- **Kinship and Marriage**
  - Comparative analysis of kinship and kinship-based groups, especially descent groups; marriage in a cross cultural perspective; the emphasis is placed on non-state societies.
  - **Note:** Credit will be granted for only one of 300A, 300.
  - **Prerequisites:** A minimum grade of B- for 200.

**ANTH 300B**
- **Units:** 1.5
- **Hours:** 3-0
- **Formerly:** part of 300
- **Comparative Social Structure**
  - Comparative analysis of social structure emphasizing material from nonstate societies; age and gender provide a focus for discussion of non kin-based institutions.
  - **Note:** Credit will be granted for only one of 300B, 300.
  - **Prerequisites:** 200.

**ANTH 300C**
- **Units:** 1.5
- **Hours:** 3-0
- **Formerly:** part of 300
- **Complex Societies in Cross Cultural Perspective**
  - Cross cultural analysis of societies where stratification and/or the state are major features of society; peasant society, caste, slavery, and the development of social inequality are among the major topics discussed.
  - **Note:** Credit will be granted for only one of 300C, 300.

**ANTH 304**
- **Units:** 1.5
- **Hours:** 3-0
- **Technology in Culture**
  - Critical approaches to the anthropological study of technology. The focus may be on prehistoric or contemporary technology.
  - **Prerequisites:** 100 or 200 or 321.

**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 or 321.

**ANTH 306**
- **Units:** 1.5
- **Hours:** 3-0
- **Folklore and Mythology**
  - Oral traditions of nonliterate peoples. The structure and functions of specific types of material. The relation of the study of folklore and mythology to other interests in Anthropology.
  - **Prerequisites:** 100 or 200 or 321.

**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 under this title.
  - **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. The course 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.

**ANTH 312**
- **Units:** 1.5
- **Hours:** 3-0
- **Formerly:** 412
- **Medical Anthropology**
  - Practices and beliefs of selected societies related to the concept of "health" are described, and problems of disease prevention, identification, and treatment in cross cultural situations are examined. Topics covered may include epidemiology, disease and evolution, and trans-cultural nursing and psychiatry.
  - **Note:** Credit will be granted for only one of 312, 412.
  - **Prerequisites:** 100 or 250 or 200.

**ANTH 316**
- **Units:** 1.5
- **Hours:** 3-0
- **Formerly:** 416
- **Introduction to Anthropological Research: I**
  - 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 grade point average of 3.50 for 200, 240 and 250.

ANTH 317 Units: 1.5 Hours: 2-2
Formerly: 417
Introduction to Anthropological Research: II
Formal methods of analysis in Anthropology, especially statistics, problems of validation, and the comparative method.
Note: Credit will be granted for only one of 317, 417.
Prerequisites: A minimum grade of C+ for 316 (formerly 416).

ANTH 322 Units: 1.5 Hours: 3-0
Ethnology of North America
The major culture areas of aboriginal North America with description and analysis of selected cultures; introduction to problems in the interpretation of North American ethnology.
Prerequisites: 100 or 200 or 321.

ANTH 323 Units: 1.5 Hours: 3-0
Ethnology of the Circumpolar Region
The cultures of Arctic and sub-Arctic Eurasia and North America.
Prerequisites: 100 or 200 or 321.

ANTH 324 Units: 1.5 Hours: 3-0
Ethnology of Middle America
An integrated description and analysis of the cultural history and present day economic, social, political, and religious ways of life of selected Indian and mestizo groups of Mexico and Central America; recent changes and modern trends in cultural development.
Prerequisites: 100 or 200 or 321.

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: 100 or 200 or 321.

ANTH 326 Units: 1.5 Hours: 3-0
Ethnology of Oceania: Micronesia and Polynesia
Ethnological description and analysis of the cultures of Micronesia and Polynesia.
Prerequisites: 100 or 200 or 321.

ANTH 327 Units: 1.5 Hours: 3-0
Ethnology of Oceania: Australia and Melanesia
Ethnological description and analysis of the aboriginal peoples and cultures of Australia and Melanesia.
Prerequisites: 100 or 200 or 321.

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: 100 or 200 or 321.

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: 100 or 200 or 321.

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: 100 or 200 or 321.

ANTH 334 Units: 1.5 Hours: 3-0
Ethnology of Sub-Saharan Africa
A survey of the traditional cultures of sub-Saharan Africa; recent changes and problems of modernization.
Prerequisites: 100 or 200 or 321.

ANTH 335 Units: 1.5 Hours: 3-0
Canadian Ethnic Groups
An anthropological perspective on the ethnic groups of Canada. The groups will be studied in the context of the wider literature of race relations, minority groups, and ethnicity.
Prerequisites: 100 or 200 or 321; or permission of the instructor.

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: 100 or 200 or 321.

ANTH 338 Units: 1.5 Hours: 3-0
Ethnology of British Columbia
An integrated description and analysis of the cultural history and present of aboriginal peoples in British Columbia.
Note: Credit will not be granted for 338 and 339A, 339B.
Prerequisites: 100 or 200 or 321.

ANTH 341A Units: 1.5 Hours: 3-0
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.
Prerequisites: 240.

ANTH 341B Units: 1.5 Hours: 3-0
Emergence of Civilization
A review of the archaeological record on: the origin of animal/plant husbandry; sedentary village life and pastoralism; technological innovation and social life; and of subsequent developments leading to the appearance of the first cities, state institutions and stratified societies in major centres of the New and/or Old World.
Prerequisites: 240.

ANTH 342 Units: 1.5 Hours: 3-0
Archaeology of Precolombian 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 390 taken under this title.
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.
Prerequisites: 240 and permission of the Department.

ANTH 350A Units: 1.5 Hours: 3-0
Primatology
Prerequisites: 250.

ANTH 350B Units: 1.5 Hours: 3-0
Human Palaeoentology
An examination of the fossil evidence for human evolution emphasizing the interpretation and reconstruction of the human lineage.
Prerequisites: 250.

ANTH 353 Units: 1.5 Hours: 3-0
Nutritional Anthropology
A cross cultural examination of the effects of nutrition on past and present human populations. Aspects of this course will include human evolution, growth and development, demography, population dynamics and physical variation.
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 390 taken under this title.
Prerequisites: 250.

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 390 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 instructor 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 instructor 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.
COURSE LISTINGS

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 under 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 instructor 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 under 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 instructor 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 under 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 instructor 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-twentieth century.
Note: Credit will be granted for only one of 400A, 400.
Prerequisites: Fourth-year standing and a minimum grade point average of 3.50 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 grade point average of 3.50 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 Director.
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 390 taken under the same topic.
Prerequisites: A minimum grade of B- for 200, or permission of the instructor.

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 407 | Units: 1.5 | Hours: 3-0
Symbolic Anthropology
The nature of symbolic systems in human societies; material examined includes not only manifestly symbolic systems such as religion and art, but also systems of classification in general, particularly those closely related to the social order.
Prerequisites: 200.

ANTH 409 | Units: 1.5 | Hours: 2-3
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, 305 and 309.

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 the issues arising from the impact of complex cultures upon the native 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
This course 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 428 | Units: 1.5 | Hours: 3-0
Also: ES 428
Enthnographic 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 influence all fields of environmental endeavour. Ethnographic exercises in the community are a course requirement.
Note: Credit will be granted for only one of 428, ES 428, ES 400A if 400A taken in 1996-98.
Prerequisites: ES students: ES 200 or 300A, and one of ES 301 or 321; or permission of the Director.
ANTH students: ANTH 200 and third-year standing.

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. The course 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: 2-3
Archaeology of the Pacific Northwest
Intensive study of problems of interpreting Pacific Northwest archaeological data. Field trips will be scheduled.
Prerequisites: 240.

ANTH 451 | Units: 1.5 | Hours: 2-3
Human Osteology
This course is designed to familiarize students with theoretical and methodological approaches to the study of human skeletal remains.
Prerequisites: 250.

ANTH 453 | Units: 1.5 | Hours: 3-0
Human Evolutionary Ecology
Theories, data and analyses of the adaptiveness of human behavior assessed via modern evolutionary theory in ecological context.
Prerequisites: 250.

ANTH 490 | Units: 1.5 or 3
Directed Studies
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 may take more than 3 units of directed studies.
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
Honours Seminar
Integration of current research in physical, social and cultural, linguistic and archaeological anthropology.
Prerequisites: Enrollment 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.

ART 100 | Units: 1.5 formerly 3 | Hours: 0-3
Studio Foundation
A course focusing on the processes and ideas associated with contemporary art. Students will explore a range of studio practices and theoretical issues.
ART 101 Units: 1.5  Hours: 0-3
Formerly: half of 200
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: Normally class size is limited.
Pre- or corequisites: 100.

ART 110 Units: 1.5  Hours: 0-3
Formerly: half of 210
Painting
A studio introduction to painting and related areas.
Note: Normally class size is limited.
Pre- or corequisites: 100 and 101.

ART 120 Units: 1.5  Hours: 0-3
Formerly: half of 220
Sculpture
An introduction to concepts and methods in contemporary sculpture. Students will experience a broad range of studio practices as well as theoretical issues through projects and critiques. Short projects and critiques are the standard format for this class.
Note: Students must supply their own camera. Normally class size is limited.
Pre- or corequisites: 100 and 101.

ART 140 Units: 1.5  Hours: 0-3
Formerly: half of 240
Photography
This course concerns the distinctive quality of the photograph. Basic darkroom procedures and camera techniques will be dealt with in this context.
Note: Students must supply their own camera. Normally class size is limited.
Pre- or corequisites: 100 and 101.

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 Arts
A lecture course open to all students. The course will consist of lectures by faculty members of the Department of Visual Arts on their art work and the issues pertinent to it. The course instructor will further expand on the individual lectures by discussing other examples of contemporary art that are related and will provide a critical context in which to approach current art practices.

ART 160 Units: 1.5  Hours: 0-3
Digital Photo-Arts
An introduction to concerns and methods in the contemporary practice of digital photography in a computer lab environment. Adobe Photoshop will be explored as an essential tool.
Note: Normally class size is limited.
Pre- or corequisites: 100 and 101.

ART 170 Units: 1.5  Hours: 0-3
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: Normally class size is limited.
Pre- or corequisites: 100 and 101.

ART 200 Units: 1.5 formerly 3  Hours: 0-3
Drawing
A continuation of 101. Students will move towards a more independent way of working.
Note: Normally class size is limited.
Prerequisites: 100 and 101.

ART 210 Units: 1.5 formerly 3  Hours: 0-3
Painting
An extension of 110.
Note: Normally class size is limited.
Prerequisites: 100, 101 and 110.

ART 220 Units: 1.5 formerly 3  Hours: 0-3
Sculpture
A continuation of 120. Students will continue to develop their study of contemporary sculptural practices, with an increasing focus on their ability to undertake independent work.
Note: Normally class size is limited.
Prerequisites: 100, 101 and 120.

ART 240 Units: 1.5 formerly 3  Hours: 0-3
Photography
A continuation of 140, including both practical and theoretical aspects of photography.
Note: Students must supply their own camera. Normally class size is limited.
Prerequisites: 100, 101 and 140.

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 260 Units: 1.5  Hours: 0-3
Digital Media Arts
An extension of 160. 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: Normally class size is limited.
Prerequisites: 100, 101 and 160.

ART 270 Units: 1.5  Hours: 0-3
Video Art
An extension of 170. 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: Normally class size is limited.
Prerequisites: 100, 101 and 170.

ART 300 Units: 3  Hours: 0-3
Drawing
Advanced course in Drawing.
Note: Concurrent registration in two of 300, 301 and 302 is permitted. Advanced courses in drawing do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 100, 101 and 200.

ART 301 Units: 3  Hours: 0-3
Drawing
Advanced course in Drawing.
Note: Concurrent registration in two of 300, 301 and 302 is permitted. Advanced courses in drawing do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 100, 101 and 200.

ART 302 Units: 3  Hours: 0-3
Drawing
Advanced course in Drawing.
Note: Concurrent registration in two of 300, 301 and 302 is permitted. Advanced courses in drawing do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 100, 101 and 200.

ART 305 Units: 3
Open Media
In this course students will have the opportunity to explore individual projects in various media. Within a critical studio environment students will develop disciplines and processes in open media.
Prerequisites: Third-year standing.

ART 311 Units: 3  Hours: 0-3
Painting
Advanced course in painting.
Note: Concurrent registration in two of 311, 312 and 313 is permitted. Advanced courses in painting do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 110 and 210.

ART 312 Units: 3  Hours: 0-3
Painting
Advanced course in painting.
Note: Concurrent registration in two of 311, 312 and 313 is permitted. Advanced courses in painting do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 110 and 210.

ART 313 Units: 3  Hours: 0-3
Painting
Advanced course in painting.
Note: Concurrent registration in two of 311, 312 and 313 is permitted. Advanced courses in painting do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 110 and 210.

ART 321 Units: 3  Hours: 0-3
Sculpture
Advanced course in sculpture.
Note: Concurrent registration in two of 321, 322 and 323 is permitted. Advanced courses in sculpture do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 120 and 220.

ART 322 Units: 3  Hours: 0-3
Sculpture
Advanced course in sculpture.
Note: Concurrent registration in two of 321, 322 and 323 is permitted. Advanced courses in sculpture do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 120 and 220.

ART 323 Units: 3
Sculpture
Advanced course in sculpture.
Note: Concurrent registration in two of 321, 322 and 323 is permitted. Advanced courses in sculpture do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 120 and 220.

ART 334 Units: 3
Multi-Media Printmaking
A studio course placing emphasis on the use of a variety of media in printmaking.
ART 341 Units: 3 Hours: 3-0
Photography
An extension of 240. More advanced techniques and an emphasis on developing individual concerns.
Note: Students in these classes must have their own camera. Concurrent registration in two of 341, 342, 343 is permitted. It is not necessary that these courses be taken in sequence. Normally class size is limited.
Prerequisites: 140 and 240.

ART 342 Units: 3 Hours: 3-0
Photography
An extension of 240. More advanced techniques and an emphasis on developing individual concerns.
Note: Students in these classes must have their own camera. Concurrent registration in two of 341, 342, 343 is permitted. It is not necessary that these courses be taken in sequence. Normally class size is limited.
Prerequisites: 140 and 240.

ART 343 Units: 3 Hours: 3-0
Photography
An extension of 240. More advanced techniques and an emphasis on developing individual concerns.
Note: Students in these classes must have their own camera. Concurrent registration in two of 341, 342, 343 is permitted. It is not necessary that these courses be taken in sequence. Normally class size is limited.
Prerequisites: 140 and 240.

ART 350 Units: 3 Hours: 3-0
Contemporary Art Theory and Practice
This course introduces the student to the contexts - social, political, economic and intellectual - in which the artist operates today. This course does not deal with the history of contemporary art.
Note: This lecture course is 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: 3
Special Studies
This studio course will involve a study of a specialized topic or area and its relationship to practice.
Note: Normally only offered in summer studies and/or intersession. May be taken more than once for credit in different topics. Class size is limited.
Prerequisites: Minimum of 9 units in 100 and 200 level courses.

ART 360 Units: 3 Hours: 0-3
Digital Media Installation
An advanced course in digitally-based art practice. May be repeated with Department's consent.
Note: Normally class size is limited.
Prerequisites: 160 and 260.

ART 370 Units: 3
Digital Video Art
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.
Note: Concurrent registration in two of 370, 371, 372 and 373 is permitted. Advanced courses in video do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 170 and 270.

ART 371 Units: 3
Digital Video Art
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.
Note: Concurrent registration in two of 370, 371, 372 and 373 is permitted. Advanced courses in video do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 170 and 270.

ART 372 Units: 3
Digital Video Art
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.
Note: Concurrent registration in two of 370, 371, 372 and 373 is permitted. Advanced courses in video do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 170 and 270.

ART 373 Units: 3
Digital Video Art
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.
Note: Concurrent registration in two of 370, 371, 372 and 373 is permitted. Advanced courses in video do not have to be taken in sequence. Normally class size is limited.
Prerequisites: 170 and 270.

ART 380 Units: 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.
Note: Normally class size is limited.
Prerequisites: Third-year standing and permission of the Department.

ART 490 Units: 3
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.
- Three faculty members must be present. ART 499 must be taken concurrently with ART 498, a weekly seminar which is mandatory for all students undertaking this Senior Project. To qualify for the Honours Program a student must have a 1st class average in all 300-level studio courses. As class size is limited, students seeking entry will be asked to submit their work to the Department where it will be reviewed in a competitive context. No more than 3 units of other course work may be taken with ART 499.

ARTS 190 Units: 1.5
Individual Study
Granted only by special permission of the Dean, on recommendation of the department. Used only when one term of a 3-unit course has been completed, and only in cases of illness, accident or family affliction.

ARTS 290 Units: 1.5
Individual Study
Granted only by special permission of the Dean, on recommendation of the department. Used only when one term of a 3-unit course has been completed, and only in cases of illness, accident or family affliction.

ARTS 390 Units: 1.5
Individual Study
Granted only by special permission of the Dean, on recommendation of the department. Used only when one term of a 3-unit course has been completed, and only in cases of illness, accident or family affliction.

ASTR 120 Units: 3 Hours: 3-3
Elementary Astronomy
A general science course designed to be accessible to students not majoring in science. Topics include: modern views of the origin and evolution of the universe (cosmology), nature and evolution of galaxies, birth and life cycle of stars, supernovae, black holes, time and space, dark matter, solar and extra-solar planets, moons, cosmic catastrophes, the possibility of extraterrestrial life, ancient views of the cosmos, constellations and features of the night sky. Practical
and observational work will be included. Laboratories on alternate weeks.

**Note:** Physics and mathematics students who want a single astronomy course should consider 200A and 200B rather than 120.

**ASTR 200A**  
**General Astronomy: I**  
Astronomical coordinate systems, time, Kepler's laws and planetary orbits, the earth-moon system, the planets and minor planets, comets, meteors and meteorites, interplanetary particles, comets, and the sun.  
**Prerequisites:** One of PHYS 112, 120 or 122, or permission of the Department; MATH 100 and 101.

**ASTR 200B**  
**General Astronomy: II**  
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 and cosmology.  
**Prerequisites:** One of PHYS 112, 120 or 122; MATH 100 and 101.

**ASTR 303**  
**Introductory Extragalactic Astronomy**  
The distance scale, properties of galaxies, observational cosmology.  
**Prerequisites:** 200A and 200B; PHYS 215 and 216.  
**Pre- or corequisites:** PHYS 317.

**ASTR 304**  
**The Solar System**  
Astronomy of the sun, the planets and satellites, meteors and comets, including recent results from space exploration.  
**Prerequisites:** 200A and 200B; PHYS 215 and 216.  
**Pre- or corequisites:** PHYS 317.

**ASTR 400**  
**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:** 200A and 200B; PHYS 215 and 216.  
**PHYS 325 is recommended.**  
**Pre- or corequisites:** MATH 326.

**ASTR 402**  
**Dynamical and Galactic Astronomy**  
The positions and motions of the stars, the two and three body problems, precession, perturbation techniques, galactic rotation, the spiral structure of our Galaxy.  
**Note:** May be offered only in alternate years.  
**Prerequisites:** 200A and 200B.  
**Pre- or corequisites:** PHYS 321B and MATH 326.

**ASTR 403**  
**Introduction to Astrophysics: I**  
The observational data of astrophysics; stellar atmosphere and the production of stellar spectra.  
**Prerequisites:** 200A and 200B; PHYS 317 and 323.  
**Pre- or corequisites:** MATH 326.

**ASTR 404**  
**Introduction to Astrophysics: II**  
The structure and evolution of the stars; interstellar matter; high energy astrophysics.  
**Prerequisites:** 200A and 200B; PHYS 317, 323 and 326.  
**Pre- or corequisites:** MATH 326.

**ASTR 429A**  
**Observational Astronomy: I**  
Observational and practical work, directed reading.  
**Note:** Normally open to Honours students only. Others with permission of the Department. No text required.

**ASTR 429B**  
**Observational Astronomy: II**  
Observational and practical work, directed reading.  
**Note:** Normally open to Honours students only. Others with permission of the Department. No text required.

**ASTR 460**  
**Astronomy Seminar**  
Talks by students, faculty and outside speakers.  
**Grading:** COM, N or F

**ASTR 490**  
**Directed Studies**  
**Note:** Students must obtain permission of the Department before registering.

**BIOC**  
**Biochemistry**  
**Department of Biochemistry and Microbiology**  
Faculty of Science

**BIOC 102**  
**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:** Credit will be granted for only one of 102, 300 (or equivalent)

**BIOC 200**  
**Introductory Biochemistry**  
**Prerequisites:** CHEM 231.

**BIOC 300A**  
**Gene Expression in Eukaryotes**  
An advanced study of gene expression in eukaryotes. Topics will include supramolecular organization of chromatin, gene structure, eukaryotic transcription, translational regulation and post-transcriptional processing.  
**Prerequisites:** 300A and 300B, or CHEM 213; or permission of the Department.

**BIOC 401**  
**Gene Expression in Eukaryotes**  
An advanced study of gene expression in eukaryotes. Topics will include supramolecular organization of chromatin, gene structure, eukaryotic transcription, translational regulation and post-transcriptional processing.  
**Prerequisites:** 300A and 300B, or CHEM 213; or permission of the Department.

**BIOC 404**  
**Proteins**  
Detailed examination of protein structure emphasizing techniques for isolation, characterization, chemical modification and synthesis of proteins and peptides. The course will consist of formal lectures in addition to required readings and brief seminars by the students.  
**Prerequisites:** 300A and 300B, or CHEM 213; or permission of the Department.

**BIOC 406**  
**Advanced Biochemistry Laboratory**  
An advanced laboratory in biochemical and molecular biological techniques.  
**Notes:** Credit will be given for only one of BIOC 406 and MICR 406.  
Enrollment is limited by available equipment and facilities, and admittance will be based on relative academic standing in BIOC 300, 300A and 300B, MICR 301 and MICR 302.  
**Prerequisites:** 300A and 300B, or 300, CHEM 213; or permission of the Department.

**BIOC 470**  
**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 5.00 and fourth-year standing in the BIOC/Micr program.

**BIOC 480**  
**Seminar**  
Seminars are presented weekly by invited speakers, Department members and all students in the fourth year of the Major and Honours programs. Students are required to submit two literature research papers of 3,000 words each as well as condensed abstracts and to deliver two oral presentations.  
**Note:** Credit will be given for only one of BIOC 480 and MICR 480. Attendance and participation in either BIOC 480 or MICR 480 is required of all students.
COURSE LISTINGS

Prerequisites: 300A and 300B, or 300; MICR 301, 302.

**BIOC 499 Units: 3**

**Undergraduate Thesis**
Research under the direction of a Faculty member. Open to Honours students only.

**Note:** Credit will be granted for only one of 499, MICR 499.

**BIOL**

**Biology**

**Department of Biology**

**Faculty of Science**

**BIOL 150A Units: 1.5**

**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:** 150A and 150B may be taken in any order. Major and Honours students, see page 167.

**BIOL 150B Units: 1.5**

**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:** 150A and 150B may be taken in any order. Major and Honours students, see page 167.

**BIOL 150C Units: 1.5**

**Modern Biology for Teachers**
An introduction to biological principles with selected topics from the areas of biodiversity, ecology, evolution, cell biology, genetics and whole organism physiology. Emphasis will be on practical aspects so that the novice teacher can use local resources to stimulate collaborative and experiential learning at all levels.

**Note:** Intended for students proceeding toward a degree in the Faculty of Education who have not completed Biology 12.

**Prerequisites:** Permission of the Faculty of Education.

**BIOL 190A Units: 1.5**

**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 BIOL 150A and B; Chemistry 11 or 12 strongly recommended.

**BIOL 190B Units: 1.5**

**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**

**Principles of Ecology**
An introduction to factors controlling the distribution and abundance of organisms. Physical environments of organisms; biotic environments and interactions among species; factors influencing population growth; behavioural ecology; structure and function of communities; succession; stability and disturbance; diversity; trophic levels, food webs, and energy flow; nutrient cycling; biomes.

**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**

**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; 190B or 220; or equivalent.

**BIOL 230 Units: 1.5**

**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.

**Corequisites:** BIOC 200.

**BIOL 307 Units: 1.5**

**Chordate Zoology**
Comparative anatomy of the chordates. Chordate diversity, evolution of organ systems. Laboratory work involves dissections of representative specimens; a term report is required.

**Note:** Credit will be granted for only one of 307, 207.

**Prerequisites:** 190A or 210; 190B or 220; and 225.

**BIOL 309 Units: 1.5**

**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**

**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 two single-day oceanographic cruises expected.

**Note:** Credit will be granted for only one of BIOL 311, BIOL 311B, or EOS 311.

**Prerequisites:** MATH 100/101, PHYS 102 or 112 and CHEM 101/102; BIOL 215 recommended.

**BIOL 312 Units: 1.5**

**Introductory Entomology**
An introduction to the morphology, physiology, taxonomy and natural history of insects. A collection of 75 species of insects will be required. The specimens should be mounted, identified and presented as a museum collection. Obtain instructions in the summer preceding the course. Field collecting trips will be arranged.

**Note:** Students proceeding in Entomology are advised to take this course in conjunction with 313.

**Prerequisites:** 190A or 210.

**Pre- or corequisites:** 321.

**BIOL 313 Units: 1.5**

**Economic Entomology**
A study of our greatest competitors for food and resources. Insects and arachnids of medical, household, stored products, horticultural, agricultural and forestry importance will be discussed. The variety of measures available for pest control will be emphasized.

**Prerequisites:** Third-year standing.

**BIOL 314A Units: 1.5**

**Marine Field Biology**
Introduction to methods and concepts of marine biological investigation. Description and comparison of species' spatial and temporal distribution patterns, food networks, life history strategies. Field emphasis will be on rocky shore, algal, forest, and intertidal ecosystems. The laboratory will emphasize accuracy in species identification.

**Prerequisites:** 215 and 321.

**BIOL 318 Units: 1.5**

**Systematics of Flowering Plants**
An introduction to systematics of angiosperms, including principles of classification, rules of nomenclature, identification and use of keys; the major groups of flowering plants; species concepts; and experimental approaches to systematics. A collection of 25 properly identified plants is required, preferably made during the preceding summer. Contact instructor for details and collecting equipment as early as possible.

**Prerequisites:** 190A or 210; 190B or 220; third-year standing; 324 recommended.

**BIOL 319 Units: 1.5**

**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:** 323 or 203; 321 or 206; 306 or corequisite 330 or ES 310.

**BIOL 321 Units: 1.5**

**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**

**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.
COURSE LISTINGS

2005-06 UVIC CALENDAR

BIOL 322 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: Completion of core.

BIOL 324 Units: 1.5 Hours: 3-3
Higher 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 or 210; 190B or 220.

BIOL 329 Units: 1.5 Hours: 3-3
Biology of the Vertebrates
Prerequisites: 190A or 210; 190B or 220; 215; third-year standing.

BIOL 330 Units: 1.5 Hours: 3-3
Also: ES 344
Ecological Methods
An introduction to the statistical analysis of ecological 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 BIOL 330, ES 310, ES 344.
Prerequisites: 190A or 210, 215; STAT 255; third-year standing. STAT 256 recommended.

BIOL 334 Units: 1.5 Hours: 3-0
Plants and People
Plants as sources of food, fiber, 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
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 or MRNE 412.
Prerequisites: 215 and third-year standing; 307 recommended.

BIOL 338 Units: 1.5 Hours: 3-0
Applied Plant Physiology
Application of physiological principles of plant growth to problems in horticulture, agriculture and forestry.
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 343 Units: 1.5 Hours: 3-3
Developmental Plant Anatomy
Origin and development of cells, tissues and organs in vascular plants with special emphasis given to seed plants. The mature structures are discussed as they relate to function. Recent studies of plant ultrastructure are considered in view of development and function.
Prerequisites: 324 or 204.

BIOL 345 Units: 1.5 Hours: 3-3
Animal Behaviour
Evolutionary and comparative analyses of behaviour in the animal kingdom, from geotaxis to consciousness. Ecological, neurological and physiological integration of behaviour. Hunting strategies, reproduction, communication and language, altruism, aggression, territoriality and war. Laboratories use representative invertebrate and vertebrate taxa to examine continuity of process in the mechanism and evolution of behaviour.
Note: Credit will be granted for only one of 345, MRNE 446.
Prerequisites: 190A or 210; 190B or 220; 215; third-year standing.

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: 225 and 230 are recommended.
Pre- or corequisites: BIOC 300.

BIOL 361 Units: 1.5 Hours: 3-0
Molecular Genetics
Molecular basis of inheritance in eukaryotic organisms. Classical genetic theory, control of gene expression, chromosomal structure and evolution, immunogenetics, population genetics.
Prerequisites: 225 and 230 are recommended.
Pre- or corequisites: BIOC 300.

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) extraction; 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; 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 function, hormones, reproduction. Laboratory includes study of live animals.
Note: Credit will not be given for 365 and 305A, 305B.

BIOL 380 Units: 1.5 Hours: 3-0
Plant Physiology
Principles of plant physiology: photosynthesis, water relations, ion uptake, translocation, carbohydrates, nitrogen and lipid metabolism, phenolics, phytohormones, tropisms, phytochrome.
Note: Credit will not be given for 366 and 331A, 331B.
Prerequisites: 225.
Pre- or corequisites: BIOC 200; third-year standing.

BIOL 370 Units: 1.5 Hours: 3-0
Also: ES 320
Conervation 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.
Prerequisites: Third-year standing or permission of the instructor.

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.

BIOL 401B Units: 1.5 Hours: 1-3
Techniques in Biotechnology
Advanced techniques in molecular biology and molecular cloning, characterization of recombinant DNA molecules, gene expression, and polymerase chain reaction.
Prerequisites: 362 and 401A.

BIOL 404 Units: 1.5 Hours: 3-2
Sensory Biology
Examination of animal sensory systems. Anatomical, electrophysiological, developmental and behavioural descriptions of the functional properties of sensory systems; physical cues that activate sensory systems; molecular mechanisms of transduction; processing of sensory information; the role of development and experience in shaping the properties of sensory systems. Emphasis will be placed on evaluating the primary literature through seminar presentations and writing of research papers.
Prerequisites: 365 or 305A/B, 409A recommended.

BIOL 409A Units: 1.5 Hours: 3-0
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 coordina-
tion. Sensory biology. Interactions of genes, development, and experience in molding nervous systems and behaviour.

**Prerequisites:** 360 or 365.

**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:** Enrollment limited to 10. Offered in spring of even-numbered years.  
**Prerequisites:** 215.

**Biol 410**  
**Units:** 1.5  
**Hours:** 2-3  
**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.

**Biol 412**  
**Units:** 1.5  
**Hours:** 2-3  
**Advanced Entomology**  
A study of recent advances in the field of entomology with special emphasis on insect physiology. Students will set up and conduct many of their own experiments, and will be expected to become familiar with the recent literature from leading journals in insect physiology. Both a seminar presentation and laboratory term projects will be required.  
**Prerequisites:** 312.

**Biol 415B**  
**Units:** 1.5  
**Hours:** 2-3  
**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 instructor.

**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 permission of the instructor; BIOL 318 recommended.

**Biol 422**  
**Units:** 1.5  
**Species Diversity in Biological Systems**  
Intended for students with an ecology focus. Diversity in organism communities examined to understand current thinking on the patterns of diversity and their causes. The course will proceed from localized contexts to regional and global perspectives. A background in fundamental ecological processes and speciation phenomena will be required.  
**Prerequisites:** Completion of core, 330 or ES 310, and fourth-year standing.

**Biol 426**  
**Units:** 1.5  
**Limnology**  
An examination of the functional relationships and productivity of freshwater biological communities and the ways in which they are affected by physical, chemical, geographic and geological factors, with emphasis on lake ecology and watershed influences. Laboratories will include field sampling in local lakes and streams.  
**Note:** Credit will not be given for BIOL 426 and 426A, 426B.  
**Prerequisites:** 215.

**Biol 427**  
**Units:** 1.5  
**Population Ecology**  
Theories of population growth and regulation, life history strategies, and population interactions. Considerate 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.

**Biol 432**  
**Units:** 1.5  
**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, onco-genes, and immunoenocrinology. Lectures and presentations of scientific papers.  
**Prerequisites:** 365 or 305A or permission of the instructor.

**Biol 435**  
**Units:** 1.5  
**Molecular Evolution**  
**Prerequisites:** Completion of core.  
**Pre- or corequisites:** 330 or 455 or BIOL 300 or ES 310.

**Biol 436**  
**Units:** 1.5  
**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:** Completion of core and 361 or BIOL 300, or permission of the instructor.

**Biol 437**  
**Units:** 1.5  
**DNA Mutation and Repair**  
An overview of the current models of DNA repair and its control in microorganisms and mammalian cells. The experimental elucidation of the mechanisms of repair.  
**Prerequisites:** Completion of core and 360.

**Biol 438**  
**Units:** 1.5  
**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 ecosystems, lakes and oceans by prokaryotes.  
**Prerequisites:** 330 or ES 310 or MICR 200 or permission of the instructor.

**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:** Completion of core and STAT 255 or 260.

**Biol 446**  
**Units:** 1.5  
**Advanced Aquatic Ecology**  
Introduction to fundamental models in aquatic ecology and their application to freshwater ecosystems. Emphasis on integrated approaches to water quality, nutrient-loading, web dynamics, aquatic biodiversity, fisheries productivity, and contaminant transport. Critical review of recent journal articles. Written and oral presentations required.  
**Prerequisites:** 330 or ES 310, BIOL 300.

**Biol 448**  
**Units:** 1.5  
**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 452**  
**Units:** 1.5  
**Developmental Biology of Plants**  
Structure and function of plant cells during vegetative and reproductive growth. Emphasis on molecular biological experimentation with model systems.  
**Prerequisites:** 360, BIOL 300.

**Biol 453**  
**Units:** 1.5  
**Stress Physiology of Plants**  
An advanced study of the physiological responses of plants to temperature extremes, droughts, salinity, radiation stress, and air pollution.  
**Pre- or corequisites:** 366.

**Biol 455**  
**Units:** 1.5  
**Evolution**  
Formerly part of 355  
**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 455, 355.  
**Prerequisites:** 230 and two of 307, 321, 322, 323, 324 or 329.

**Biol 458**  
**Units:** 1.5  
**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:** BIOL 200, BIOL 300 is recommended.
BIOL 460 Units: 1
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, or 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: Completion of core and 360.

BIOL 490 Units: 1.5
Directed Studies and Research in Biology
Departmental permission may be given for supervised research projects, individual study, or directed readings.

490A - Directed Studies and Research in Botany
490B - Directed Studies and Research in Ecology
490C - Directed Studies and Research in Marine Biology
490D - Directed Studies and Research in Zoology
490E - Directed Studies and Research in Cell and Molecular Biology
490F - Directed Studies and Research in Evolution

Note: May be taken more than once for credit normally to a maximum of 3 credits.
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.
Grading: INC, letter grade

BIOL 499 Units: 3
Thesis or Tutorial
Research under the direction of faculty.
Note: Open to Honours students only.
Grading: INP, letter grade

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).

*Subject to Senate Approval

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. Combinatorial 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, FPGA.
Note: Credit will be granted for only one of 241, 290.
Prerequisites: 2nd 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.
Note: Credit will be granted for only one of 245, 345.
Prerequisites: MATH 101 and 133 or 233A.

CENG 355 Units: 1.5 Hours: 3-1.5
Microprocessor-Based Systems
Prerequisites: CSE 230.

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 given for both 420 and CSE 421 without permission of the Chair or Director responsible for the student’s degree program.
Prerequisites: Fourth-year standing in the Faculty.

CENG 441 Units: 1.5 Hours: 3-1.5
Design of Digital and VLSI Systems
Note: Credit will be granted for only one of 441, 440, or 441, 465.
Prerequisites: 241 or 290

CENG 442 Units: 1.5 Hours: 3-1.5
Digital Integrated Circuits
Silicon logic: logic design with MOSFET, CMOS, and BiCMOS; physical structure, physical design, fabrication. Logic-electronic interface: characteristics of MOSFET, CMOS analysis and design. VLSI design: CAD tools, system components, arithmetic circuits, memory and programmable logic, system-level physical design, clocking and testing.
Prerequisites: 241 or 290, and ELEC 330

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
Introduction to 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. The course will include significant exposure to parallel applications including developing and coding parallel codes.
Prerequisites: 355 and fourth-year standing.

CENG 455 Units: 1.5 Hours: 3-1.5
Real Time Computer Systems
Techniques that can be used to guarantee the computation of a computation ahead of its deadline. Scheduling techniques for periodic and non-periodic tasks. Organization and functionality of real time kernels. A Project Laboratory is integral to the course. Students must complete a sequence of two projects that involve substantial real time software design and implementation. 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: CSC 230

CENG 461 Units: 1.5 Hours: 3-0
Analysis and Design of Computer Communication Networks
Prerequisites: STAT 254 or 260, and fourth-year standing.

CENG 496 Units: 1.5 Hours: 3-0
Special Topics
Present material in an emerging field or one not covered in regular offerings. Some topics may require laboratory work as well as lectures.
Note: Offered as CENG 496A, 496B, 496C, 496D, 496E, 496F. May be taken more than once for credit in different topics with permission of the Chair of the Department.

2005-06 Uvic Calendar 235
COURSE LISTINGS

Prerequisites: The student must be registered in term 4A or 4B.

CENG 499A Units: 1.5 Hours: 0-6
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.

Prerequisites: The student must be registered in Term 4A in the Computer Engineering Program or have permission of the Department.

CENG 499B Units: 1.5 Hours: 0-6
Note: For description see CENG 499A.
Prerequisites: The student must be registered in Term 4B in the Computer Engineering Program or have 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 enroll, 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 online 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 or 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. Laboratory illustrates the behaviour of chemical systems and some of the basic techniques associated with quantitative chemical experimentation.
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, 101, 102.
Prerequisites: Admission to BENG or BSEN 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 techniques, data analysis. Analytical applications of chemical separations, potentiometry, ultraviolet/visible spectroscopy, titrmetry.
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.

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: This course is 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
- This course is intended for students in Biology and those preparing to enter professional schools such as Medicine, Pharmacy, Dentistry, Forestry or Nursing.
Prerequisites: 231 and 102.

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.
- This course is 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 CHEM 231 be completed prior to registration in this course, as practical spectroscopy skills are a definite asset for the successful completion of the CHEM 235 laboratory component.
Prerequisites: 231 and 102.

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.

CHEM 300A Units: 1.5 Hours: 3-0
Formerly: half of 300
Chemistry in Modern Society
This course is intended for nonscientists and will consist of lectures, demonstrations, class experiments and discussions. This course is 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. 300A and 300B are offered in alternate years and may be taken in either order.

CHEM 300B Units: 1.5 Hours: 3-0
Formerly: half of 300
Chemistry in Modern Society
This course is intended for nonscientists, and will consist of lectures, demonstrations, class experiments and discussions. This course is designed to show the relevance of chemistry to modern life by examination of such topics as energy (e.g. petroleum, nuclear), radiochemistry, water pollution (e.g. soaps and detergents, industrial disposal), air pollution (e.g. smog, ozone), metals, and plastics. 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 300B and any other Chemistry course numbered 300 and above. 300A and 300B are offered in alternate years and may be taken in either order.

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.

**Note:** Credit will be granted for only one of 302, 306, 478. This course is primarily designed for students who are not majoring in Chemistry.

**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.

**Note:** Credit will be granted for only one of 303, 306, 478. This course is primarily designed for students who are not majoring in Chemistry.

**Prerequisites:** 231.

**CHEM 318**  
**Units:** 1.5  
**Hours:** 3-0  
**Instrumental Techniques of Analysis**  
Theory and application 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 and 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**  

**Prerequisites:** 235 or 232.  
**Pre- or corequisites:** 213.

**CHEM 347**  
**Units:** 1.5  
**Hours:** 3-0  
**Quantum Chemistry**  
Introduction to quantum chemistry, molecular orbitals and bonding. The Schrödinger equation and its solutions for some simple systems. Wavefunctions, one-electron and multielectron 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, and 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**  

**Prerequisites:** 222, and 232 or 235.

**CHEM 361**  
**Units:** 1.5  
**Hours:** 0-3  
**Formerly: Part of 312 and 318 (prior to 2001W session)**

**Analytical Chemistry Laboratory**  
This laboratory will build on expertise acquired in CHEM 212, with greater emphasis on electrochemical and more advanced techniques. Students should note that this is a two-term course.

**Note:** Credit will only be given for 361 or either 312 or 318 if taken prior to Winter 2001.

**Prerequisites:** 212.

**Grading:** Letter grade, INP

**CHEM 362**  
**Units:** 1.5  
**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. Students should note that this is a two-term course.

**Note:** Credit will only be given for 362 or either 323 or 324 if taken prior to Winter 2001.

**Prerequisites:** 213 and 222.

**Grading:** Letter grade, INP

**CHEM 363**  
**Units:** 1.5  
**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. Students should note that this is a two-term course.

**Note:** Credit will only be given for 363 or either 335 or 338 if taken prior to Winter 2001.

**Prerequisites:** 213, and 232 or 235.

**Grading:** Letter grade, INP

**CHEM 364**  
**Units:** 1.5  
**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. Students should note that this is a two-term course.

**Note:** Credit will only be given for 364 or either 346 or 347 if taken prior to Winter 2001.

**Prerequisites:** 213, and 232 or 235

**Grading:** Letter grade, INP

**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, and plant hormones), foods (carbohydrates, fats, vitamins and additives), drugs (anticids, analgesics, steroids, anti-AIDS agents, hallucinogens), and other compounds useful in medicine. Discussion will center 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 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 alkenyls and alkyls, metal carbonyls and pi-bonded organic ligands such as amines, alkyne, alkyne and arenes. Applications of organometallic molecules in synthetic organic synthesis and industrial catalysis.

**Prerequisites:** 324.

**CHEM 424**  
**Units:** 1.5  
**Hours:** 2-0-1  
**Advanced Transition Metal Chemistry**  
A more detailed look at transition metal chemistry with particular emphasis on the chemistry of the 2nd and 3rd period elements. Topics related to the chemistry of heavy metals such as metal-metal and metal-ligand multiple bonding, bioinorganic chemistry and metal cluster formation; special topics chosen from areas of current research interest.

**Prerequisites:** 324.

**CHEM 426**  
**Units:** 1.5  
**Hours:** 2-0-1  
**Advanced Main Group Chemistry**  
A more advanced selection of topics in modern s- and p-block chemistry designed to build on the principles established in 222 and 353. Topics may include main group organometallics, novel structures and reactivity, inorganic polymers, zeolites, and fullerenes.

**Prerequisites:** 353.

**CHEM 432**  
**Units:** 1.5  
**Hours:** 2-0-1  
**Advanced Organic Synthesis**  
A more advanced consideration of synthetic methodology designed to build on the principles established in 355.

**Prerequisites:** 355.

**CHEM 433**  
**Units:** 1.5  
**Hours:** 2-0-1  
**Organic Structure Determination: the Chemistry of Natural Products**  
Elucidation of the structures of organic compounds from spectral information. The chemistry of several classes of natural products, including examples demonstrating structural elucidation, synthesis, and biogenesis.

**Prerequisites:** 355.

**CHEM 434**  
**Units:** 1.5  
**Hours:** 2-0-1  
**Physical Organic Chemistry**  
Mechanisms of organic reactions with emphasis on detection and kinetics of reactive intermediates.

**Prerequisites:** 352.

**CHEM 447**  
**Units:** 1.5  
**Hours:** 2-0-1  
**Lasers, Reaction Dynamics and Spectroscopy**  
Molecular spectroscopy, lasers and reaction dynamics. May also include molecular beams, laser spectroscopy and related quantum chemistry,
CHEM 454 Units: 1.5 Hours: 2-0-1
Supramolecular Chemistry
An introduction to the principles of supramolecular chemistry: structure, stability, and dynamics of supramolecular complexes, and supramolecular assemblies. The functions of supramolecular complexes in molecular recognition, catalysis, and transport and the applications of supramolecular concepts in molecular design.
Prerequisites: 352.

CHEM 455 Units: 1.5 Hours: 2-0-1
Instrumentation and Electronics
An introduction to electronics, with particular reference to connection, fault-diagnosis, and comprehension of scientific instruments. Basic electronic components, schematics, op-amps, transistors, construction, methods, basic digital electronics, instrument connection (impedance matching, computer interfaces), transducers.
Prerequisites: 212 or 312.

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 and 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 465 Units: 1.5 Hours: 0-6
Fourth Year Laboratory
Advanced laboratories in chemistry. Students may choose two components from options in the following areas: analytical, inorganic synthesis and properties, organic synthesis and properties, or spectroscopy and physical measurement.
Prerequisites: Permission of the Department.

CHEM 466 Units: 1.5 Hours: 0-6
Fourth Year Laboratory
Advanced laboratories in chemistry. Students must choose two the components which were not studied in 465 from the following areas: analytical, inorganic synthesis and properties, organic synthesis and properties, or spectroscopy and physical measurement.
Prerequisites: 465.

CHEM 473 Units: 1.5 Hours: 2-0-1
Organic Photochemistry/Reactive Intermediates
Introduction to organic photochemistry and photophysics. 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 carboniums. Fast kinetic methods for study of the above topics will be emphasized.
Prerequisites: 352.

CHEM 475 Units: 1.5 Hours: 2-0-1
Surface Science and Electrochemistry
Concepts of surface science (including surface electrochemistry): types of absorption, surface symmetry and nomenclature for surface structures, the surface chemical bond, heterogeneous catalysis. Methods of surface science; interaction of electrons, photons and ions with surfaces and the use of these probes to measure surface structure and properties. Surface thermodynamics and kinetics: isotherm and island growth mechanisms, electrode kinetics, mass transport in electrochemistry. Case study: the automotive catalytic converter.
Prerequisites: 352.

CHEM 476 Units: 1.5 Hours: 2-0-1
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 and.
Note: Credit will be given for only one of 476, 336.
Prerequisites: 232 or 235.

CHEM 477 Units: 1.5 Hours: 2-0-1
Computational Chemistry
Introduction to the use of computers to calculate data such as properties of molecules; kinetic or thermodynamic parameters of reactions.
Prerequisites: 347 or 446.

CHEM 478 Units: 1.5 Hours: 2-0-1
Formerly: 306
Introduction to the Chemical Process Industries
A comparative discussion of a number of chemical industries and the details of their processes. To include unit operations, unit processes and economics.
Note: Credit will be granted for only one of 478, 302, 303, 306. This course is primarily designed for students taking a Chemistry program.
Prerequisites: 222, 245, and 232 or 235.

CHEM 480 Units: 1.5 Hours: 2-0-1
Chemical Applications of Group Theory
Properties of a group; symmetry operations and symmetry elements; molecular symmetry groups; representations and characters; symmetry classification of molecules; vibrations; hybrid orbitals; ligand field theory, molecular orbitals; selection rules; Woodward-Hoffman rules.
Prerequisites: 353.

CHEM 490 Units: 1.5
Directed Studies
490A - Readings in Analytical Chemistry
490B - Studies in Analytical Chemistry
490C - Readings in Inorganic Chemistry
490D - Studies in Inorganic Chemistry
490E - Readings in Organic Chemistry
490F - Studies in Organic Chemistry
490G - Readings in Physical Chemistry
490H - Studies in Physical Chemistry
490J - Readings in Theoretical Chemistry
490K - Studies in Theoretical Chemistry
Note: In special cases the Department of Chemistry may give permission for individual studies and directed readings to be taken as 490. CHEM 490 may be taken more than once for credit only in different areas of chemistry.

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 499 Units: 3 Hours: 0-6
Thesis
Experimental research under the direction of faculty. This course is required for Chemistry Honours students.
Note: Credit will be granted for only one of 499, 498. Chemistry Major students may be granted permission by the Department to take the course as an elective.
Grading: INP; letter grade

CHIN
Chinese
Department of Pacific and Asian Studies
Faculty of Humanities
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 the ability to read and write the Chinese script, the common written vehicle for a variety of related spoken Chinese languages (for example, Mandarin, Cantonese, Hakka, etc.). For purposes of course placement, the Department defines as “native speakers” 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 CHIN 220/320 (410); others should register in CHIN 420. 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 CHIN 149 or 150.

CHIN 149 Units: 3 Hours: 6-1
Intensive Chinese I
Intensive Chinese language instruction for beginning language students. Equivalent to 100A and 100B but covered in one term.
Note: Credit will be granted for only one of 149 or 100A and/or 100B. Not open to native speakers. Limited to 25 students per section.

CHIN 150 Units: 3 Hours: 6-1
Intensive Chinese II
Continuation of 149 for those students who intend to practise their listening comprehension, speaking and reading abilities, and who will seek an advanced level. The content of 150 is comparable to that of 200A and 200B (or 200).
Note: Credit will be granted for only one of 150, 200 or 200A and/or 200B. Not open to native speakers. Limited to 25 students per section.
Prerequisites: Normally a minimum final grade of B in 149 or equivalent.
CHIN 201A Units: 1.5  
Hours: 3-0  
Formerly: part of 201  
Aspects of Chinese Culture: I  
A survey of cultural development of the Han Chinese from earliest times to the mid-nineteenth century. Philosophy, religion, literature, technology and the arts will be the most important areas of discussion. Relevant political, economic and social background will also be introduced.  
Note: Credit will be granted for only one of 201A, 201. No knowledge of Chinese language is required.

CHIN 201B Units: 1.5  
Hours: 3-0  
Formerly: part of 201  
Aspects of Chinese Culture: II  
A survey of Chinese culture from the mid-nineteenth century to the present. Contemporary culture patterns will be placed in traditional perspective, while relevant political, economic and social contexts will also be considered. The effects of modern events on cultural life, particularly literature, the arts, religion and education system will be emphasized.  
Note: Credit will be granted for only one of 201B, 201.  
Prerequisites: 201A or permission of the instructor.

CHIN 220 Units: 1.5  
Hours: 3-0  
Formerly: half of 410  
Elementary Mandarin For Speakers of Other Chinese Languages  
Designed to train speakers of non-Mandarin forms of Chinese (e.g. Cantonese) in the sounds of Mandarin Chinese. Students will learn the pinyin romanisation system; concentration will be on listening and speaking.  
Note: Credit will be granted for only one of 220, 410. Not open to native speakers. Limited to 35 students per section.  
Prerequisites: Knowledge of a non-Mandarin form of Chinese and permission of the instructor.

CHIN 249 Units: 3  
Hours: 3-1  
Formerly: 300  
Intermediate Modern Chinese  
A sequel to 150 or 200A/B. 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 249, 300. Not open to native speakers. Limited to 25 students per section.  
Prerequisites: Normally a minimum final grade of B in CHIN 150 (or 200A and 200B or 200) or equivalent.

CHIN 261 Units: 1.5  
Hours: 3-0  
Also: LING 261  
Introduction to the Chinese Language and Linguistics  
A general introduction to 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 261, LING 261.

CHIN 280 Units: 1.5  
Hours: 3-1  
Also: First half of CHIN 249  
Intermediate Modern Chinese (Short Course)  
A sequel to 150 or 200A/B. 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 280, 249, 300. Not open to native speakers. Non-native speaking students taking a Major in Pacific and Asian Studies with a China Concentration must complete CHIN 249. This course is for other non-native speakers completing their degree requirements in December or otherwise unable to complete CHIN 249. Students will only be admitted if there is space in CHIN 249 at the first class in September and at the discretion of the instructor.  
Prerequisites: Normally a minimum final grade of B in CHIN 150 (or 200A and 200B or 200) or equivalent.

CHIN 303 Units: 1.5  
Hours: 3-0  
Formerly: 303B  
Topics in Chinese Thought: Confucianism  
An analysis of selected topics in Confucianism, with emphasis on the interpretation of controversial issues in Confucian thought. Among the areas to be discussed are: 1) current official interpretations of Confucianism, 2) the anti-Confucian movement during the May Fourth period, 3) early Confucianism vs. state Confucianism, 4) the cultivation of sagehood in neo-Confucianism, 5) Confucianism and traditional Chinese political culture, 6) contemporary reinterpretation of Confucianism. This course will be taught in English.  
Note: Credit will be granted for only one of 303, 303B.  
Prerequisites: Second-year standing or permission of the instructor.

CHIN 304 Units: 1.5  
Hours: 3-0  
Masterworks of Chinese Fiction  
Survey of the Chinese tradition of fiction with concentration on the great novels of the Ming and Qing, notably Outlaws of the Marsh, Journey to the West, The Story of the Stone, and The Scholars. Western and traditional Chinese views of fiction writing derived from commentaries on the great novels. All readings are in English translation; Chinese texts for most of the readings will be available.  
Prerequisites: Second-year standing or permission of the instructor.

CHIN 305 Units: 1.5  
Hours: 3-0  
Modern Chinese Literature and Society 1900-1949  
After a historical overview and a criticism workshop, the course will consist of a study of selected literary texts from late Qing and Republican China. The development of modern Chinese literature will be traced from novels of expression written at the turn of the century, through the short stories of the May Fourth period, to works of fiction and drama written in the 1930s and 1940s. There will be supplementary readings in social and political history and literary criticism. The course will be taught in English.  
Prerequisites: Second-year standing or permission of the instructor.

CHIN 306 Units: 1.5  
Hours: 3-0  
The Literature of the People's Republic of China 1949 to the Present  
A study of Chinese literary texts written in a range of forms and styles during the period of communist rule and covering such important issues as the social position of women, land ownership, modernisation of industry, and the treatment of intellectuals. The course will be taught in English.  
Prerequisites: Second-year standing or permission of the instructor.

CHIN 310A Units: 1.5  
Hours: 3-0  
Classical Chinese Prose  
Introduction to the classical literary language of China; readings from such early writers as the philosopher Meng-Cius.  
Prerequisites: 249 (or 300), 320, or a minimum grade of A in 150 or 200A/B (or 200); or permission of the instructor.

CHIN 320 Units: 1.5  
Hours: 3-0  
Formerly: half of 410  
Intermediate Mandarin For Speakers of Other Chinese Languages  
A sequel to 220. This course continues instruction in the sounds of Mandarin Chinese, and adds the reading and writing of Chinese characters. Concentration will be on reading comprehension and composition skills.  
Note: Credit will be granted for only one of 320, 410. Not open to non-native speakers.  
Prerequisites: Minimum grade of B in 220 or permission of the instructor.

CHIN 349 Units: 3  
Hours: 3-0  
Formerly: 400  
Advanced Readings in Modern Chinese  
A sequel to 249. Reading 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 349, 400. Not open to native speakers. Limited to 25 students per section.  
Prerequisites: Normally a minimum final grade of B in 249 (or 300) or equivalent.

CHIN 420 Units: 3  
Hours: 3-0  
Advanced Mandarin For Native Speakers of Chinese  
Intended for literate speakers of non-Mandarin forms of Chinese as well as literate speakers of Mandarin. Reading and discussion of selected Chinese literary works which will vary from year to year.  
Note: Not open to non-native speakers. May be taken more than once in different topics to a maximum of 6 units with the permission of the Chinese Program Adviser.  
Prerequisites: 320 or permission of the instructor.

CHIN 461 Units: 1.5  
Hours: 3-0  
Directed Readings in Chinese Linguistics  
This is an advanced course taught in Mandarin Chinese. It is intended for students who are prepared to read and discuss extensively in Mandarin. The student will learn aspects about 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: Open to native speakers of Chinese.  
Prerequisites: Minimum grade of B in 349.

CHIN 480 Units: 1.5 or 3  
Directed Readings in Chinese  
This course is designed for advanced students prepared to read extensively in Chinese. Readings will be assigned by the instructor in consultation with participating students.
Note: Not open to native speakers of Chinese. May be taken more than once with permission of the instructor and the Chinese Program Adviser.

Prerequisites: A minimum grade of A- in CHIN 349 (or 400) (for non-native speakers) or equivalent level of language competency.

CHIN 481 Units: 1.5 or 3
Special Topics
Offered either as a reading course, a tutorial or a seminar in Chinese language, literature or culture, for advanced students. Consult appropriate members of the Department about topics and requirements.

Note: May be taken more than once on different topics to a maximum of 3 units with permission of the instructor and the Chinese Program Adviser.

Pre-or corequisites: A minimum grade of A- in CHIN 349 (or 400) (for non-native speakers), or a minimum grade of A- in 420 (for native speakers), or equivalent level of language competency.

CHIN 490 Units: 1.5 or 3
Directed Study
This course will normally involve readings and a research project in a particular area of Chinese Studies in which the student is qualified. The individual program of studies will be supervised by an appropriate faculty member.

Note: May be taken more than once for credit in different topics to a maximum of 6 units.

COM

Commerce

Faculty of Business

Courses offered by the Faculty of Business are also found under the following course codes: ENT (Entrepreneurship), HOS (Hospitality), HSM (Hospitality 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 to discuss the political and social realities facing commercial ventures in Canada.

Note: Credit will be granted for only one of 100, 290, 300. Not open to BCom students; cannot be used for credit in BCom program.

COM 205 Units: 0 Hours: 1-2
Career Skills and Management
This course is 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.

Note: International BCom students, pre-admitted students and BCom students only.

Grading: INP, COM, N, F

COM 206A Units: 3
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 participating incoming Faculty of Business exchange program and International students in the Bachelor of Commerce program; enrollment is based on comprehension level as determined by the instructor.

COM 206B Units: 3
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 audiences; develop and use techniques for information management. Perfection of grammar, written communication and increasing vocabulary.

Note: Open only to International students and participating incoming Faculty of Business exchange program and International students in the Bachelor of Commerce program; enrollment is based on comprehension level as determined by the instructor.

COM 206C Units: 1.5
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 participating incoming Faculty of Business exchange program and International students in the Bachelor of Commerce program; enrollment is based on comprehension level as determined by the instructor.

COM 220 Units: 1.5 Hours: 3-0
Formerly: 120
Organizational Behaviour
Introduction to theoretical 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, organizational structures, group processes, and team, 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
This course 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, 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.

Prerequisite: A minimum grade of A in 120 (for native speakers), or equivalent level of language competency.

Pre-or corequisites: A minimum grade of A- in CHIN 349 (or 400) (for non-native speakers), or a minimum grade of A- in 420 (for native speakers), or equivalent level of language competency.

Financial and Management Accounting For Specialists

Course will normally involve readings and a research project in a particular area of Chinese Studies in which the student is qualified. The individual program of studies will be supervised by an appropriate faculty member.

Note: May be taken more than once for credit in different topics to a maximum of 6 units.

COM 270 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 behavior, 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 290 Units: 1.5 Hours: 3-0
Introduction to Canadian Business
An overview of the Canadian business system - 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-admitted students in the BCom program.

COM 302 Units: 1.5 Hours: 3-0
Commercial Law
This course examines a number of legal principles that affect businesses and other organizations (e.g., nonprofit organizations) in society. Course topics will include tort law, contracts, business organizations and property. The course will focus on specialized areas such as the law of negligence, international business transactions, employment contracts, intellectual property and fiduciary obligations.

Prerequisites: Completion of Business Minor core courses, with a minimum grade of C+ in each.

COM 305 Units: 0.5 Hours: 1-0
Decision Analysis
Introduction to formalized rational approaches to decision making. The course focuses on a process model for decision making. Topics covered include establishing critical objectives, structuring decisions using decision trees and influence diagrams, evaluating the alternatives using expected value analytical techniques for both subjective and objective decision criteria and sensitivity analysis. Both single and multi-objective decision making approaches are discussed.

Prerequisites: Restricted to students admitted to the BCom Program or with permission of the Program Director.
COM 315: Units: 1.5  Hours: 3-0
Financial Accounting
This course 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 or with permission of the Program Director.

COM 316: Units: 1.5  Hours: 3-0
Management Accounting
This course 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 or with permission of the Program Director.

COM 321: Units: 2.0  Hours: 4-0
Organizational Behaviour and Design
This course 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 or with permission of the Program Director.

COM 322: Units: 1.5  Hours: 3-0
Management of Employment Relations
This course 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 or with permission of the Program Director.

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 responsibility use of information systems and technology to support business strategy, operations and decision making. Includes use of, but does not include instruction in, computer-based productivity tools.
Prerequisites: Restricted to students admitted to the BCom Program or with permission of the Program Director.

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 or with permission of the Program Director.

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 or with permission of the Program Director.

COM 356: Units: 2.0  Hours: 4-0
Global Business and Society
The complex and rapidly changing business environment imposes new demands on managers. The relationship between business and society has become an important area of study to prepare managers for effectively dealing with the challenges imposed by the changing business environment. The purpose of this course is to explore the ways in which business and societies interact. Drawing on a variety of media and methods, we will examine the social, economic, political, technological, ethical and ecological dimensions on which these interactions occur.
Prerequisites: Restricted to students admitted to the BCom Program or with permission of the Program Director.

COM 371: Units: 1.5  Hours: 3-0
Management Finance
This course 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 or with permission of the Program Director.

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 390, 290. Open only to incoming Faculty of Business Exchange students; or with permission of the Manager, International Programs.

COM 400: Units: 1.5  Hours: 3-0
Strategic Management
A series of integrative management case studies to illustrate the application and integration of management functions. The focus will be 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: All third year commerce core.
**COURSE LISTINGS**

**Prerequisites:** 250 or 351 and fourth-year standing or permission of 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.  
**Prerequisites:** 220 or 321 and fourth-year standing or permission of Program Director.

**COM 445**  
Units: 1.5  
Hours: 3-0  
**Corporate Finance**  
This course 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.  
**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 management of developmental skills.  
**Note:** May be taken more than once to a maximum of 6 units with the permission of the Faculty of Business.  
**Prerequisites:** Fourth-year standing and 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.

**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.

**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.

**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 3 units with the permission of the Head of International Programs.  
**Prerequisites:** Participation in International Exchange Program.

**COM 490**  
Units: 1.5  
**Directed Studies in Management**  
This is 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 BCom Director.

**COM 495**  
Units: 1.5  
**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  
**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.

**CS 100**  
Units: 1.5  
**Elementary Computing**  
An introduction to computing for the non-specialist. Topics covered include the basic structure of a digital computer system; applications of computers in the home, office and industry; and implications of computing on society. Hands-on experience with a microcomputer and the use of some practical software packages are given.  
**Notes:** - Not open to students registered in or with credit in any of CS 105, 110, 112, 212. Normally not open to students with credit in Computer Studies 11. - This course is intended primarily for a general university audience; students intending to major in Computer Science should enroll in 110 rather than 100.  
**Prerequisites:** Mathematics 11.

**CS 105**  
Units: 1.5  
**Computers and Information Processing**  
An introduction to business computing. Topics covered include the basic structure of digital computer systems, microcomputers, word processing, spreadsheets, databases, 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 CSC 212 or 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. - This course is 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. Other students will be admitted on an availability basis.  
**Prerequisites:** Mathematics 12.
CSC 110 Units: 1.5 Hours: 3-1
Fundamentals of Programming: I
Introduction to designing, implementing, and understanding computer programs using an imperative programming language. Topics include overview of computers and software, introduction to computing and problem solving, fundamental elements of object-oriented programming, top-down design and incremental development.
Prerequisites: Mathematics 12.

CSC 115 Units: 1.5 Hours: 3-1
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 and 160.
Prerequisites: 110.

CSC 160 Units: 1.5 Hours: 3-1
Fundamentals of Programming: II For Engineers
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. Selected scientific and engineering examples will be used to illustrate the application of the concepts presented.
Note: Credit will be granted for only one of 160 and 115.
Prerequisites: 110 and admission to a BEng or BSEng program.

CSC 212 Units: 1.5 Hours: 3-1
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 212, 112.
Prerequisites: 110.

CSC 225 Units: 1.5 Hours: 3-1
Algorithms and Data Structures: I
Prerequisites: 115 or 160, and MATH 122 or 224 or CENG 245.

CSC 230 Units: 1.5 Hours: 3-1
Computer Architecture and Assembly Language
Basic architecture of computer systems including fundamental concepts such as register structure, memory organization and management, organization of peripherals, and machine-level operations. These concepts are integrated through the use of assemblers, linkers and loaders. Topics include: instruction sets, symbolic addressing, bus organization, instruction fetch and execution, read/write cycles, interrupt processing, I/O processing, general microprocessor design.
Prerequisites: 115 or 160.

CSC 242 Units: 1.5 Hours: 2-2
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.
Prerequisites: 110, and PHYS 120 or 121.
Pre-or corequisites: MATH 200.

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, and either a minimum grade of C in MATH 222 or registration in a Combined Physics/CSC program.

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 discussed will include the following: 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
Prerequisites: 225, and MATH 222 or 324.

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: 212, 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, and MATH 133 or 233A; and MATH 201 or 202 or ELEC 255.

CSC 349A Units: 1.5 Hours: 3-0
Numerical Analysis: I
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.
Notes: Credit will be granted for only one of 349A, 340 or equivalent.
Prerequisites: MATH 201 may be taken as a corequisite.
Prerequisites: 115 or 160, and MATH 200, 201, and 233A or 133.

CSC 349B Units: 1.5 Hours: 3-0
Numerical Analysis: II
Prerequisites: 349A, or MATH 200 and a minimum grade of B in CSC 340.

CSC 350 Units: 1.5 Hours: 3-0
Computer Architecture
This course will introduce 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, algorithmic arithmetic, 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, and 250 or 355.

CSC 355 Units: 1.5 Hours: 3-2
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 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 and MATH 122 or 224.

CSC 360 Units: 1.5 Hours: 3-1
Introduction to Operating Systems
An introduction to 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 tech-
Course Listings

UVIC UNDERGRADUATE CALENDAR 2005-06

244

CSC 370
Units: 1.5
Hours: 3-0
Formerly: 470

Database Systems
An introduction to the use and operating principles of database management systems. Topics to be covered include: data entities and relationships; data modeling 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.

Prerequisites: 225 and 265 or SENG 265 or registration in Computer Engineering degree program.

Note: Credit will be granted for only one of 370, 470, HINF 300.

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 and 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 and 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 and 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, EIGamal and other public key systems, signature schemes; introduction to security protocols.

Prerequisites: 320

CSC 435
Units: 1.5
Hours: 3-2
Formerly: 471

Compiler Construction
Compilation, including: lexical analysis, syntax analysis, semantic routines, code optimization, block structured languages and interpreters. Students will implement a compiler-interpreter for a simple language.

Note: Credit will be granted for only one of 435, 471.

Prerequisites: 225 and 265 or SENG 265, and 320.

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 fourth-year standing and 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: 349B.

CSC 450
Units: 1.5
Hours: 3-3

Computer Communications and Networks
An introduction to concepts in computer communications and networks. Topics will include layered network architectures, packet switching networks, local area networks, protocol design and verification, network security, and applications in distributed computing.

Note: Credit will be granted for only one of 450, CENG 460.

Prerequisites: 250 or 355, and 360.

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. The course 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 450 or CENG 460.


diagram.txt
CSC 462 Units: 1.5 Hours: 3-0
Distributed Computing
Prerequisites: 360 and a minimum grade of B in 450 or CENG 480.

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 and 360.

CSC 482 Units: 1.5 Hours: 3-0
Topics in Algorithms
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 prerequisite specified for the topic to be offered.
Note: Offered as 482A, 482B, 482C, 482D. This course may be taken more than once in different topics with the permission of the Chair of the Department.

CSC 483 Units: 1.5 Hours: 3-0
Topics in Programming Methodology
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 prerequisite specified for the topic to be offered.
Note: Offered as 483A, 483B, 483C, 483D. This course may be taken more than once in different topics with the permission of the Chair of the Department.

CSC 484 Units: 1.5 Hours: 3-0
Topics in Scientific Computing
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 prerequisite specified for the topic to be offered.
Note: Offered as 484A, 484B, 484C, 484D. This course may be taken more than once in different topics with the permission of the Chair of the Department.

CSC 485 Units: 1.5 Hours: 3-0
Topics in Systems
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 prerequisite specified for the topic to be offered.
Note: Offered as 485A, 485B, 485C, 485D, 485E, 485F, 485G, 485H. This course may be taken more than once in different topics with the permission of the Chair of the Department.

CSC 490 Units: 1.5 or 3
Directed Studies
Note: Students must consult the Department before registering. This course may be taken more than once in different topics with permission of the Chair of the Department.

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: Four-year standing in the Bioinformatics Option.

CSC 499 Units: 1.5 Hours: 0-6
Technical Project
Research 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 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
This course will instruct students in 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 traditional, will be emphasized.

CW 155E Units: 1.5
Critical Process and World View
This course will examine how Native world-views are incorporated into poetry, prose, drama, and song, with the aim of encouraging students conscious of Native Indian world-views and their expression in their own creative work and that of other Native writers. Topics explored will include format, voice, style, theme, and subject.

CW 156E Units: 1.5
Critical Process, Symbolism and Oral Tradition
This course will focus on and encourage 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’ Non-fiction
This course will examine First Nations’ non-fiction 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 film and television plays as well as film from Japan, Australia, New Zealand and South America.
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.

Pre- or corequisites: CYC 301 and CYC 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 Practica Coordinator.

CYC 338 Units: 3 Hours: 3-0
Applying Developmental Theory in Child and Youth Care Practice
This course 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 interactions 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: 3 units of Developmental Theory or equivalent.

CYC 340 Units: 1.5 Hours: 3-0
Ethical Decision-Making in the Human Services
This course provides an historical basis for ethics, an overview of ethics research and current professional perspectives on the application of ethics in Child and Youth Care practice. The expectation is that by the end of the course learners will develop their own ethical decision-making framework and apply it in their current practice. The course is taught using experiential learning strategies in order to ensure an understanding of personal approaches to ethical choice making and a personal commitment to ethical practice.

Note: This course is also available for professional development.

Prerequisites: Second-year standing, college diploma or permission of the instructor.

CYC 350A Units: 1.5 Hours: 3-0
Law and Social Services
The objective is to provide students in Child and Youth Care with an understanding of the Law as an expression of social policy, and of 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 350A, SOCW 350A.

Prerequisites: Third-year standing or permission of the instructor.

CYC 350B Units: 1.5 Hours: 3-0
Legal Skills for Human Service Professionals
This course will provide an opportunity to put into practice the theoretical and legal knowledge gained from the prerequisite course CYC 350A. Students will explore rights, power, conflict and ethical considerations within a legal framework. To derive authority from laws, how to comply with policy, and how to practice specific skills as a helping professional will be covered.

Prerequisites: 350A or SOCW 350A and third-year standing, or permission of the instructor.

CYC 360 Units: .5, 1.5 or 3 Hours: 3-0
Special Topics in Child and Youth Care
This course provides an opportunity to examine selected current issues in child and youth care.

Note: With approval of a faculty adviser, this course may be taken more than once for credit. This course is 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: This course is also available for professional development non-credit.

Prerequisites: Second-year standing, college diploma or permission of the instructor.

CYC 365 Units: 1.5 Hours: 3-0
Theory and Practice of the UN Convention on the Rights of the Child
Participants in this course 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: This course is also available for professional development.

Prerequisites: Second-year standing, college diploma or permission of the instructor.

CYC 366 Units: 1.5 Hours: 3-0
Lifespan Development
The objectives of this course are to introduce students to concepts and models of how human behavior is acquired, maintained, and modified; and to develop an understanding of normal human development as a knowledge base for practice with children, youth, and families.

Note: This course meets the requirements for one of the core Developmental Psychology courses in Phase II of the BA program for off-campus students. This course is also available for professional development.

Prerequisites: Second-year standing or completed college diploma.

CYC 371 Units: 1.5 Hours: 3-0
Building Caring Partnerships
This course is designed to provide students with the knowledge and skills necessary to work with families, particularly families with children who have been identified as “at risk.” Building on their awareness of cultural diversity, students will utilize and integrate their knowledge of self, communication skills, ecological perspective, and development theory in order to strengthen their abilities to establish and maintain partnerships with families.

Note: This course is also available for professional development.

Prerequisites: Second-year standing, college diploma or permission of the instructor.

CYC 373 Units: 1.5 Hours: 3-0
Working with Families and their Communities
This course examines the interactions between families with infants and toddlers, the practitioners who work with them, and the community in which they all live. The course is fundamentally concerned with the healthy development of infants and toddlers, especially those perceived to be “at risk,” and it concentrates on the roles of practitioners in promoting community support networks that will help create healthy family-community interactions.

Note: This course is also available for professional development.

Prerequisites: Second-year standing, college diploma or permission of the instructor.

CYC 374 Units: 1.5 Hours: 3-0
Promoting Positive Outcomes in Children’s Environments
This course, designed for all practitioners who work with young children, explores the relationships between risks, opportunities, and change in their environment. The key premise of the course 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: This course is also available for professional development.

Prerequisites: Second-year standing, college diploma or permission of the instructor.

CYC 390 Units: .5, 1, 1.5 or 3
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 is a condensed 4 month practicum where students are required to complete 286 hours during this time. 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: 301, 310, 338, 465, 466 and one of the following: 474, 475, 476.

CYC 410A Units: 4.5 Hours: 1-10
Advanced Supervised Block Practicum
This is a condensed 4 month practicum where students are required to complete 286 hours during this time. 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: 301, 310, 338, 465, 466 and one of the following: 474, 475, 476.

CYC 423 Units: 1.5 Hours: 3-0
Research Methods in Child and Youth Care
This course introduces students to ways in which knowledge in the child and youth care field is developed. Within an applied research practitioner context, students will be introduced to the knowledge and skills necessary to locate, understand, and utilize research relating to child and youth care. Students will examine basic issues, designs, and methodologies within quantitative and qualitative research models and will apply this knowledge to write a research plan.

Special Topics in Child and Youth Care
This course provides 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 460 Units: 0.5, 1, 1.5 or 3 Hours: 3-0
Special Topics in Child and Youth Care
This course offers a foundation to child life practice in hospitals and community health care settings. An 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.

Prerequisites: Fourth-year standing or permission of the instructor.

CYC 465 Units: 1.5 Hours: 3-0
Child Life
This course presents, in an experiential format, theoretical approaches and techniques related to the planning and facilitation of groups for children and youth. Students will learn how to plan for, and to facilitate groups in a participative, skill building laboratory format.

Prerequisites: CYC 252 or ED-D 316, or equivalent.

CYC 466 Units: 1.5 Hours: 3-0
Theory of Child and Youth Care Practice with Families
This course presents conceptual frameworks and models for understanding family functioning and parenting. The students identify child and youth care service settings in which family work occurs. The course focuses on family assessment methodologies and interventions which are appropriate to Child and Youth Care Workers in these settings.

Prerequisites: Students admitted to the degree program from Sept. 2000 onwards must complete a Sociology of the Family course or CYC 371.

CYC 474 Units: 1.5 Hours: 3-0
Child and Youth Care Practice with Individuals
This course focuses on the development of advanced skills in working with individual children and youth. Students are required to apply behavioural change theories in a laboratory environment and produce professional quality documentation of their work. Feedback on students' application of interventions in child and youth care practice is provided in each class and through video-taped assignments.

Prerequisites: 465 and 466.

CYC 475 Units: 1.5 Hours: 3-0
Child and Youth Care Practice with Groups
This course focuses on developing the knowledge and skills required for organizing and managing groups with children and youth. Students apply theory through group interventions and will receive feedback on their work in a laboratory environment.

Prerequisites: 465 and 466.

CYC 476 Units: 1.5 Hours: 3-0
Child and Youth Care Practice with Families
This course 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.

Prerequisites: 465 and 466.

CYCB 490 Units: 0.5, 1, 1.5 or 3
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.

Aboriginal 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
This course offers 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
This course offers students opportunities to begin participating with 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: CYCB Practicum I.

CYCB 112 Units: 1.5 Hours: 1.5-11
Practicum III: The Child in the Curriculum
This course offers 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 set

2005-06 UVIC CALENDAR 247

ings, 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)
This course introduces students to program planning for young children and the concept of learning through play. The course explores the relationship between play and child development, the stages of children's play and factors that influence play. It 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)
This course builds on the knowledge students acquired in Introduction to Play (CYCB 120). The course 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 program 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)
This course builds on the knowledge students acquired in Introduction to Play (CYCB 120) and Foundations of Curriculum Planning (CYCB 121). It 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 and 121.

CYCB 123 Units: 1.5 Hours: 0-4
The Caring and Learning Environment (ECCE)
This course, 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. The course acknowledges and builds on the knowledge of learning environments and content areas that students have previously studied, and it 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
This course provides students with an overview of the principles that guide the scientific study of human behaviour. The child and youth care professional rests on a large and constantly expanding base of research. This course introduces students to some of that research. Students learn the terminology and theories that serve as a foundation for future course-
work 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  
This course introduces students to normative child development from conception to toddlerhood. It includes an overview of the major themes and theories in child development addressing research in the areas of physical, intellectual, psychological development. As well as including insights from major researchers and theorists whose roots lie in western traditions, the course 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  
This course continues the study of child development from early childhood to late adolescence addressing perspectives on physical, intellectual, psychosocial, and moral development of children and youth. The course 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.

**CYCB 150 Units: 1.5  Hours: 4-0**  
Interpersonal Communications  
This course introduces students to the characteristics and dynamics of interpersonal communications. It 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  
This course introduces students to methods of communicating with children that help foster positive child development. It 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  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  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)  
This course provides students with 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. The course 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.

**CYCB 221 Units: 1.5  Hours: 4-0**  
Introduction to Programs For Adolescents (CYC)  
This course provides students with 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 youth 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. The course 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.

**CYCB 222 Units: 1.5  Hours: 4-0**  
Program Development for Infants and Toddlers  
Developing child care programs for children (0-2 years) will be the focus of this course. 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.

**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.

**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.

**CYCB 240 Units: 1.5  Hours: 4-0**  
Introduction to Supported Child Care for Children with Special Needs  
This course will explore a range of methods for meeting the needs of children who require additional supports. The focus will be 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.

**CYCB 241 Units: 1.5  Hours: 4-0**  
Introduction to Planned Change  
This course 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 250 Units: 1.5  Hours: 4-0**  
Communication Skills For Professional Helpers  
This course acknowledges and builds on prior knowledge of communication skills and includes activities that elicit perspectives emerging from their own experience. This course is 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: 5.1, 1.5 or 3  Hours: 3-0**  
Special Topics in Child and Youth Care  
This course provides an opportunity to examine selected current issues in child and youth care.  
**Note:** With approval of a faculty adviser, this course may be taken more than once for credit.
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.
Pre-requisites: 103 or 201, or equivalent.

ECON 225
Units: 1.5
Hours: 3-0
Writing for Economists
This course includes 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 failing the test will be de-registered from ECON 225 and directed to enroll in a remedial non-credit English course.
Pre-requisites: 103 and 104, and 245 or equivalent; 1.5 units of first year English.

ECON 245
Units: 1.5
Hours: 3-1
Formerly: 240
Descriptive Statistics and Probability
Note: Credit will be granted for only one of 245, 240. See Credit Limit, page 31.
Pre-requisites: Prerequisites: 100, or corequisites: 103 or 201 or 202. Prerequisite: MATH 100 or 102; CSC 105 or 110; 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 245, 240, STAT 251, STAT 261, STAT 256 if 256 taken prior to September 2004. See Credit Limit, page 31.
Pre-requisites: 245 or STAT 260; MATH 100 or 102; CSC 105 or 110.

ECON 250
Units: 1.5
Hours: 3-1
Formerly: 350
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 250, 350.
Pre-requisites: MATH 102 and 103 or permission of the Department.
Pre-requisites: 203 or 300 or 302.

ECON 251
Units: 1.5
Hours: 3-0
Formerly: 351
Mathematical Economics II: An Introduction to Dynamic Methods
Difference equations, differential equations, and dynamic optimization with applications to economic problems.

Note: Credit will be granted for only one of 251, 351.
Pre-requisites: 250.

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.

Pre-requisites: 103 or 201, and 104 or 202.

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.
Pre-requisites: 103 or 201, and 104 or 202.

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.
Pre-requisites: 103 or 201.

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.
Pre-requisites: 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 not be granted for 311A and 308, 408A, 408B.
Pre-requisites: 103 or 201, and 104 or 202; 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 not be granted for 311B and 308, 408A, 408B.
Pre-requisites: 103 or 201, and 104 or 202, and 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.
Pre-requisites: 103 or 201.

ECON 313
Units: 1.5
Hours: 3-0
Formerly: half of 300
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
ECON 314  
**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** half of 301  
Topics in Macroeconomics

Select 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 or 303.

ECON 320  
**Units:** 1.5  
**Hours:** 3-0  
**Economics Development**

An examination of the economics of development with reference to Third World countries. Main emphasis will be on problems and policies, both domestic and international. Topics will include the relevance of the historical growth experience; poverty and income distribution; agriculture, technology, industrialization, and education; population and migration; international trade and foreign investment.

**Note:** Credit will be granted for only one of 320, 420.

**Prerequisites:** 103 or 201, and 104 or 202.

ECON 321  
**Units:** 1.5  
**Hours:** 3-0  
**The Economic History of Canada**

The story of land and 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 or 201, and 104 or 202, and 225.

ECON 325  
**Units:** 1.5  
**Hours:** 3-0  
**Public Finance**

A discussion of taxation and expenditure policies with an emphasis on Canada. Microeconomic effects of these policies will be examined in detail.

**Prerequisites:** 103 or 201.

ECON 327  
**Units:** 1.5  
**Hours:** 3-0  
**Economic History of North America**

This course deals with 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 or 201, and 104 or 202, and 225.

ECON 328  
**Units:** 1.5  
**Hours:** 3-0  
**Economic History of the Pacific Rim**

This course deals with the economic history of the countries of Asia and Latin America having a Pacific Ocean coastline. The main focus is the period 1950 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 202, or permission of the Department; 225.

ECON 330  
**Units:** 1.5  
**Hours:** 3-0  
**Environmental Economics**

Economic principles as applied to problems of living in the natural environment. The problem of spillovers associated with economic processes. Externalities and their management through economic institutions. Problems of conservation and possible limits to economic growth arising from scarcity of environmental resources.

**Note:** Credit will be granted for only one of 330, ES 312.

**Prerequisites:** 103 or 201 or permission of the Department.

ECON 333  
**Units:** 1.5  
**Hours:** 3-0  
**Introduction to Economic Growth**


**Prerequisites:** 204 or 301 or 303.

ECON 337  
**Units:** 1.5  
**Hours:** 3-0  
**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 and 104 and 225.

ECON 338  
**Units:** 1.5  
**Hours:** 3-0  
**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.

**Notes:**
- Credit will be granted for only one of 338, 307.
- 337 recommended.

**Prerequisites:** 103 and 104 and 225.

ECON 339  
**Units:** 1.5  
**Hours:** 3-0  
**Public Finance**

A discussion of taxation and expenditure policies with an emphasis on Canada. Microeconomic effects of these policies will be examined in detail.

**Prerequisites:** 103 or 201.

ECON 345  
**Units:** 1.5  
**Hours:** 3-0  
**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 and 365, 445. Cannot be taken concurrently with 365 or 366.

**Prerequisites:** 103 or 201, 104 or 202, and 246 or equivalent.

ECON 353  
**Units:** 1.5  
**Hours:** 2-2  
**Computer Aided Modelling in Economics**

An introduction to numerical methods and their application in economics.

**Prerequisites:** 103 or 201, 104 or 202, 246 or equivalent; MATH 103 or MATH 240, CSC 105 or CSC 110; ECON 250 recommended.

ECON 365  
**Units:** 1.5  
**Hours:** 3-0  
**Econometrics: Part I**

Principles of econometrics with applied examples. Topics include: estimation of the regression model; sampling properties of estimators; testing restrictions; restricted least squares; generalized least squares; aspects of specification analysis.

**Note:** Credit will be granted for only one of 365, 445.

**Prerequisites:** 103 or 104 or 201 or 202; 246 or equivalent; MATH 102 and 103, or MATH 240, or MATH 100, 101 and 233A.

ECON 366  
**Units:** 1.5  
**Hours:** 3-0  
**Econometrics: Part II**

Principles of econometrics with applied examples. Topics include: further aspects of specification analysis; data issues (multicollinearity, conintegration, miss- ing observations); other special models (dynamic models, seemingly unrelated regressions, simultaneous equations 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, 205, 300 or 302, or permission of the Department.

ECON 371  
**Units:** 1.5  
**Hours:** 3-0  
**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 399  
**Units:** 0  
**Third Year Honours Seminar**

Seminar for Honours students only. Third-year students begin initial research for their Honours thesis under the guidance of a faculty supervisor. The thesis is submitted at the end of the fourth year.

**Grading:** COM, N or F.

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 or 300 or 302, and 250 or 350.

ECON 401  
**Units:** 1.5  
**Hours:** 3-0  
**Advanced Macroeconomic Theory**

Selected topics in macroeconomic theory.

**Prerequisites:** 204 or 301 or 303, and 250 or 350.

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, and 250 or 350 or equivalent.

**Pre- or corequisites:** 306.
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, alternative exchange rate systems, capital mobility and open economy macroeconomic policies.
Prerequisites: 203 or 300 or 302, and 204 or 301 or 303.

ECON 406 Units: 1.5 Hours: 3-0
Monetary Economics
Monetary economics studied in the context of overlapping generations models, Barter and commodity money, flat money and inflation; international monetary systems. Financial intermediation, banking, and the money supply. Deficits and the national debt; saving and investment.
Prerequisites: 204 and 313; 305 recommended.

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 or 300 or 302, and 204 or 301 or 303, and 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.
Note: Credit will be granted for only one of 410A, 410.
Prerequisites: 203 or 300 or 302.

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 or 301 or 303.

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: 311A or 311B and 203, or permission of the instructor.

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 or 300 or 302, and 204 or 301 or 303.

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.

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, non-pecuniary 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 or 300 or 302.

ECON 420 Units: 1.5 Hours: 3-0
Theory of Economic Development
Theories of economic development; domestic policies for development; investment criteria; planning and financing economic development; the role of foreign trade and aid in economic development.
Prerequisites: 203 or 300 or 302, and 204 or 301 or 303, 320 recommended.

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.
Prerequisites: 203 or 300 or 302, and 204 or 301 or 303, and 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

ECON 425 Units: 1.5 Hours: 3-0
Economic Growth in Early Modern and Modern Japan
This course 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 or 301 or 303, and 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.

ECON 428 Units: 1.5 Hours: 3-0
Economic Development of the Postwar Pacific Rim
This course deals with the economic development of Japan, Korea, Taiwan, Hong Kong, China, Indonesia, Malaysia, Philippines, Guatemala, Honduras, El Salvador, Columbia, Peru, and Chile over the post-1950 period. Topics to be covered include: geopolitics and the political economy of growth; the expansion of macroeconomic institutions; competition and industrial policy; tax policy and social choice. The course will be team taught.
Prerequisites: 203 or 300 or 302, and 345 or 365.

ECON 440A Units: 1.5 Hours: 3-0
Natural Resource Economics
An examination of the economic principles governing the use of natural resources, social and private cost and the regulation of natural resource use. The economics of various resource sectors, including fisheries, forests, recreation and mining.
Prerequisites: 203 or 300 or 302, or permission of the Department.

ECON 443 Units: 1.5 Hours: 3-0
Land, Forest and Climate Economics
This course exposes students to the complex interactions between the economy and land, forest, and climate resources. Economic theory will be used to examine case studies relating to deforestation, urban/rural land-use conflicts, protection of biodiversity, agriculture and climate, etc. Feedbacks between land use and climate change will be explained from an economics standpoint, as will implementation of policies to mitigate climate change. While the emphasis is on economics, students will also encounter material from ecology.
Prerequisites: 203 or 300 or 302, or permission of the instructor; MATH 100 or 102.

ECON 445 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.
Prerequisites: 313 and 246 or equivalent; 305 and COM 340 recommended.

ECON 447 Units: 1.5 Hours: 3-0
Philosophical Problems in Contemporary Economics
Seminar course investigating selected problems of the neoclassical paradigm, with emphasis on the relationship of morality to economics. Topics may include rational choice and human agency, cognition,
COURSE LISTINGS

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.

ECON 439 Units: 1.5 Hours: 3-0 Economics of the Family A seminar course studying theoretical and empirical literature related to 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.

Prerequisites: 203 or permission of the Department.

ECON 450 Units: 1.5 Hours: 3-0 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 or 300 or 302, 250 or 350.

ECON 451 Units: 1.5 Hours: 3-0 General Equilibrium and Welfare Economics Selected topics in general equilibrium theory and welfare economics.

Prerequisites: 251 or 351, and 353.

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 or 300 or 302, and 250 or 350.

ECON 453 Units: 1.5 Hours: 3-0 Business Cycles and Economic Growth Real and monetary models of the business cycle, models of growth and technological change.

Prerequisites: 250 or 350.

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. This course surveys some corporate finance topics that are of particular interest to economists. These 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 or 400.

ECON 465 Units: 1.5 Hours: 3-0 Advanced Econometrics A rigorous discussion of key econometric techniques. Topics include: estimation principles; testing strategies; specification analysis and pre-testing consequences; systems estimation; Bayesian inference; non-linear models.

Prerequisites: One of 203, 204, 300, 301, 302 or 303, 385 and 386, or 445.

ECON 466 Units: 1.5 Hours: 3-0 Macroeconometrics Theoretical and applied econometric issues of special interest to macroeconomists. Topics include: modelling with non-stationary time series, cointegration, causality, ECM models. Other possible topics include: use of large-scale econometric models; rational expectations models.

Prerequisites: 203 or 300 or 302, and 204 or 301 or 303, 385 and 386, or 445.

ECON 467 Units: 1.5 Hours: 3-0 Microeconometrics Theoretical and applied econometric issues of interest to microeconomists. Topics may include: modelling with financial data (asset pricing models, GARCH models); testing for market efficiency; modelling with limited and qualitative dependent variables; estimation of demand and cost models.

Prerequisites: 203 or 300 or 302, 385 and 386, or 445.

ECON 495 Units: 1.5 or 3 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.

ECON 499 Units: 3 Formerly: 460 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.

Prerequisites: Registration in 399 or permission of the Department.

ED-D Educational Psychology and Leadership Studies Department of Educational Psychology and Leadership Studies Faculty of Education Courses offered by the Faculty of Education are also found under the following course codes: AE, DE, ED-D, ED-P, EDCI, EDUC, IA, IET, ME, PE.

ED-D 300 Units: 1.5 Formerly: 200 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 305 Units: 1.5 Hours: 3-0 Psychology of Childhood This course is concerned specifically with 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. Observations 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 Verbal Communication Study of interpersonal verbal skills and processes. Skill practice and analyzed applications to classroom, counselling, family, social work and mental health.

ED-D 317 Units: 1.5 Hours: 3-0 Nonverbal Communication Study of nonverbal interactions: movement, posture, gesture, qualities of voice, and spacing. Analysis of implications in teaching, counselling, family relations, and mental health.

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.

ED-D 338 Units: 1.5 Hours: 3-0 Computers in the Classroom The purpose of this course is to provide a flexible learning environment from which to explore, examine, discuss and develop strategies for the application of computer-based technology to enrich learning.

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 Formerly: 303 Introduction to Psychology of Classroom Learning An introduction to the psychology of learning in the secondary school.

Note: Credit will not be granted for 401 and 200, 200A, 200B, 300, 303, 403.

ED-D 402 Units: 1.5 Hours: 3-0 Assessment For Special Education This course is designed to provide an in-depth study of the area of formal and informal assessment of the exceptional child. 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: It is recommended that students take 405 first or concurrently with this course.

Prerequisites: 337 or permission of the instructor.

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. Available to Elementary PDP students
only 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 or 3 Hours: 3-0
Educational Exceptionality
An introductory survey course intended to familiarize students with the needs of children and adolescents with varying exceptionalities. Topics include history of special education services, parents and families of special needs children, mental retardation, learning disabilities, emotional disturbance, the gifted, children with speech and language problems, hearing and vision loss, physical impairments, and chronic health problems.
Note: 405 is normally a pre- or corequisite course for 410A and 415.
Prerequisites: ED-D 401, 406, EDUC 301, 420, or permission of instructor

ED-D 406 Units: 3 Hours: 3-0
Psychology of Adolescence
The physiological, psychological, social, and educational aspects of adolescence.

ED-D 410A Units: 1.5 Hours: 3-0
Educating Individuals with Mental Retardation
Considers learning needs and characteristics of children and adults with mental retardation and presents methods of educating and programming. Also to be discussed are physiological and social causes of retardation, basic methods of assessment for instructional purposes, and principles of community living.
Note: The professional year prerequisite is waived for students in the School of Child and Youth Care.
Pre- or corequisites: 405; professional year.

ED-D 411 Units: 1.5 or 3 Hours: 3-0
Problems of Attention and Behaviour
Supervised practice and/or theoretical considerations in working with children who present mild to severe problems in behaviour. The course is offered in two sections, as described below, and only one of these is scheduled in any given session. Consult the Department for further information.

ED-D 414 Units: 3 Hours: 3-0
Group Processes
Analysis of group decision making; discovery and discussion methods in group learning; study of group interaction in classrooms, family life, counselling, and mental health. First portion of course is devoted to skill development, second part to analysis, theory and research.

ED-D 415 Units: 3 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.
Note: Students in this course must reserve three one-hour periods in their timetables for the required practicum. During this practicum component, the concentration is on language arts and mathematics. It is recommended that students take the following courses first or concurrently with this course: 405, ED-B 442, ED-E 484.

ED-D 417 Hours: 3-0
Helping Relationships
Study of helping relationships in the classroom, counselling, family life, and mental health. Theories of personal effectiveness; analysis and practice of effective relating skills. The course is conducted as a participative seminar and includes skill building laboratory experience.

ED-D 423 Units: 1.5
Approaches to Cross-Cultural Education
This course is 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.

ED-D 430 Hours: 3-0
Formerly: ED-B 430
The Organization and Administration of Education in British Columbia
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 433 Units: 1.5 Hours: 3-0
Personal Planning: An Overview
To prepare teachers, counsellors and child care workers for teaching or conducting the “Personal Planning” program. Topics include providing for individual responsibility, social awareness, relationship enhancement, and lifelong development.

ED-D 434 Units: 1.5 Hours: 3-0
Personal Development: Elementary Content Areas
To prepare teachers and counsellors to conduct elementary-school programs in child abuse prevention, healthy living, family life education, career development, and substance abuse prevention. The basic elements of the elementary program in Personal Planning, including the planning process, will be emphasized.

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. Experimental 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
This course will cover the variety of strategies used to develop, implement and evaluate a peer program.

2005-06 UVIC CALENDAR

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 440 Hours: 3-0
Teaching and Learning in Personal Planning and Career and Personal Planning
This course presents the history, rationale and development of the Career and Personal Planning curriculum. Current practices and new approaches to teaching and learning in the CaPP and PP classroom will be examined. Other topics include the teacher as reflective practitioner, addressing sensitive issues in the classroom, freedom of information and privacy, and issues of responsibility.

ED-D 441 Units: 1.5 Hours: 3-0
Approaches to Instruction & Assessment in Personal Planning and Career and Personal Planning
Theory and practice related to effective instruction and evaluation in CaPP and PP. Models of delivery, collaborative consultation, accessing resources, planning and evaluation in the affective domain, criterion-referenced assessment, and reporting practices will be covered.

ED-D 444 Units: 3 Hours: 3-0
Personal Development Secondary Content Areas
This course focuses on the content areas of Personal Development at the secondary level: healthy living, mental well-being, family life education, child abuse prevention, substance abuse prevention, and safety and injury prevention. Related topics include values awareness education, sensitive issues, and community resources.

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 planning 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 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. This will be 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 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.
COURSE LISTINGS

ED-D 494  Units: 1.5 each
Directed Studies
Research projects, directed reading, or additional course work in a specified area.

494B - Helping Profession
494S - Special Education

Note: All students must obtain written approval from the Education Advising Centre before registering. Permission will not normally be given for more than three units of directed studies.

ED-P

Secondary Teacher Education
Faculty of Education

Courses offered by the Faculty of Education are also found under the following course codes: AE, DE, ED-D, ED-P, EDCLI, EDUC, IA, IET, ME, PE.

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 three 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 three units of directed studies.

ED-P 497  Units: 1.5 or 3
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 Director.

Grading: INC, COM, N or 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 examinations 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 Director.

Grading: INC, COM, N, or F

ED-P 499  Units: 0.5-3
Professional Development Professional Studies

This is a variable content course directed at improving specific teacher and/or administrator competencies. It will normally be 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, or F

EDCI

Curriculum and Instruction Studies
Department of Curriculum and Instruction
Faculty of Education

Courses offered by the Faculty of Education are also found under the following course codes: AE, DE, ED-D, ED-P, EDCLI, EDUC, IA, IET, ME, PE.

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. This course 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 or 1.5  Hours: 1-2
Formerly: ED-B 359
Introduction to Instructional Technology

The role of information technologies and resources in instruction, with emphasis on computers and computer applications software; utilization of materials in schools and the role of school libraries; laboratories in basic audiovisual instructional techniques.

Note: Credit will be granted for only one of 336, ED-B 359.

EDCI 337  Units: 1.5  Hours: 2-2
Formerly: ED-B 360
Television and Video: Applications and Impact

Exploration of the instructional applications of video including program development and production; examination of the effects of television on children.

Note: Credit will be granted for only one of 337, ED-B 360.

EDCI 338  Units: 1.5  Hours: 2-2
Formerly: ED-B 362
The Mass Media and Education

The history and development of mass media in North America; the effects of radio, television and film on children's home life and school experience; the educational uses of the mass media; current developments in educational television; satellite-based interactive instructional systems.

Note: Credit will be granted for only one of 338, ED-B 362.

EDCI 339  Units: 1.5  Hours: 2-2
Formerly: ED-B 363
Educational Applications of the Internet and Networking Systems

The nature of the internet; access and utilization methods; web page construction; interactive use of internet-based education. Educational networks; access and utilization techniques.

Note: Credit will be granted for only one of 339, ED-B 363.

EDCI 347A  Units: 1.5  Hours: 3-0
Formerly: 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. The course also 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 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
Literacy for Learning Across the Secondary Curriculum

The purpose of this course is to prepare prospective secondary school teachers to develop understandings and approaches to integrating literacy processes and products into the subject disciplines. The course will examine 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
Formerly: ED-B 371, half of EDCI 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
Formerly: ED-B 371, half of EDCI 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 354  Units: 1.5  Hours: 3-0-1
Formerly: ED-B 391
Basic Classroom Techniques in Teaching Oral French

This course introduces the theoretical and practical elements of teaching French as a second language for the general classroom teacher. Students will be introduced to the BC French Curriculum Guides, recommended approaches 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 354, ED-B 390, ED-B 391.

Pre- or corequisites: A working knowledge of French, as determined by the instructor.

EDCI 371  Units: 1.5
Also: IS 371
The History of First Nations Education in Canada

This course is for all students interested in First Nations education. Topics of the course are divided into four categories, beginning with traditional forms of Aboriginal knowledge and pedagogy before Euro-
American Ways of Knowing
This course is meant to provide students with an understanding of Aboriginal/First Nations knowings and practices as experienced by First Nations people, rather than as mediated through non-Aboriginal people's interpretations. It is meant to celebrate the traditional and other evolved knowings and practices of First Peoples and to problematize the assimilative pressures which the larger society has imposed onto Aboriginal peoples since contact. This course looks at how First Peoples think, feel and act as the people of this land, rather than as Euro-American constructs and objectifications; different kinds of Aboriginal scholarship as expressed orally, spiritually and in written form, in Aboriginal and imported languages; how First Peoples validate and construct their scholarship, their epistemological frameworks, their methodologies and protocols; and the ethics and values of Aboriginal peoples in terms of research and relationship.

Note: Credit will be granted for only one of 372, IS 372.

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. The course is 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 411 Units: 1.5
Formerly: ED-B 452
Curriculum and Teaching in the Elementary School
Concepts of curriculum and schooling and their implications for teaching and learning. Analysis of the teacher role in developing student success. Emphasizes the teacher as decision maker. To provide the background and critical perspective necessary for interpretation, selection, integration, implementation and evaluation of curriculum.

Note: Credit will be granted for only one of 411, ED-B 452.

Prerequisites: Professional Year.
Corequisites: For PDPP students, Professional Year is a corequisite.

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. This course 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: ED-B 339 or EDCI 321 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. This course also 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 the 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: ED-B 441, EDCI 422 or permission of the instructor.

EDCI 431 Units: 3 Hours: 3-0
Formerly: ED-B 420
Philosophy and Education
This course examines educational and social ideas in terms of their origins, developments, and meaning to teaching and learning. 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: 3 Hours: 3-0
Formerly: ED-B 423
History of Education
Using the lens of history, this course examines questions fundamental to understandings of educational thought and practice, including: What are the social and intellectual foundations of education and schooling? To what extent do schools reflect the social character of society? How do schools serve the purposes of the state? To whom do children belong? Is public schooling more than an historical experiment? Can schools serve effectively as instruments of social change? And, how have changing concepts of family and childhood shaped what schools do?

Note: Credit will be granted for only one of 432, ED-B 423.

EDCI 433 Units: 3 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: 3 Hours: 3-0
Formerly: ED-B 427
Sociology of Education
The application of theory and research in sociology to the exploration of the problems and dynamics of formal schooling, teaching and learning in contemporary Canadian society.

Note: Credit will be granted for only one of 434, ED-B 440.

Pre- or corequisites: ED-B 339 or EDCI 321 or permission of the instructor.

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 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 468  Units: 1.5  Hours: 2-2
Formerly: ED-E 473
Environmental Issues Education
This course is 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. The course will take an interdisciplinary approach and include 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 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 480  Units: 1.5 or 3  Hours: 3-0
Formerly: ED-A 480, ED-B 480, ED-E 480
Contemporary Issues in Education - Curriculum and Instruction
Current topics and developments in education, with particular consideration of their relevance to the schools of British Columbia. This will be taught from an interdisciplinary approach.
Note: May be taken more than once for credit in a degree program with the permission of the Education Advising Centre.

EDCI 487  Units: 1.5 or 3  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 the 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 specified area.
Notes: - 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 specified area.

EDUC 300  Units: 1.5  Hours: 3-0
Learners & 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, ED-D 305.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDUC 302  Units: 1.5  Hours: 3-0
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, ED-B 748.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDUC 303  Units: 1.5  Hours: 3-0
Historical and Philosophical Foundations of Canadian Education
This course takes an historical or a philosophical approach to the study of Canadian education developments. It examines the social and educational ideas at the very foundation of the establishment of public schools.
Note: Credit will be granted for only one of 303, ED-B 420, ED-B 423.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDUC 305  Units: 2  Hours: 2-1
Drama Education: A Medium For Learning
Drama is a socially-interactive art form. This course addresses the foundations of drama education. Exercises, Dramatic Play, Drama for Understanding based on the current elementary curriculum. Students will explore the principles, practice, and methods of instruction.
Note: Credit will be granted for only one of 305, DE 204, DE 304.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDUC 306 Units: 2 Hours: 2-1
Music in the Elementary Classroom
Experiential approaches to the development of skills, understanding, attitudes, and contemporary teaching strategies to support the important role of music in elementary schools.
Note: Credit will be granted for only one of 306, ME 204, ME 206, ME 304.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDUC 307 Units: 2 Hours: 2-1
Art in the Elementary Classroom
An introduction to visual arts, concepts, and methods of instruction appropriate for young learners.
Note: Credit will be granted for only one of 307, AE 103, AE 204.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDUC 400 Units: 4.5
School Experience and Final Practicum
 Enables students to refine and smooth the planning and implementation of the curriculum, and begin to focus on more sophisticated strategies for enhancing, deepening, and evaluating student learning. Students will be expected to develop and document their capacity to reflect on and evaluate their own practice, and to initiate strategies for building on strengths and overcoming areas of weakness.

400A - School Experience and Eight Week Final Practicum (Professional Degree)
Students are required to attend seminars and undertake an eight week final practicum, normally scheduled during January, February and March. Some opportunities for applying insights and strategies related to the strand focus will be provided. Pre-practicum school visits are required.

400B - School Experience and Extended Practicum (Post-Degree)
This is an extended practicum for Post Degree Professional Program students scheduled for September through December. Students are also required to attend weekly seminars.

400C - School Experience and Eight Week Practicum (Post-Degree)
This is an eight-week final practicum for Post Degree Professional Program students normally scheduled during September, October, November. Students are also required to attend weekly seminars.

400D - School Experience and Extended Practicum (Professional Degree)
Students accepted into the internship program are required to take courses in July and August, undertake an extended practicum scheduled for September through mid-February, attend seminars and workshops, and conclude their coursework mid-February to April. Only one strand is offered for internship students and will be known before application to the internship.

400E - School Experience and Updating Practicum
A seminar and eight-week practicum for persons wishing to update teaching skills and to gain or validate teaching certificates. Pre-practicum school visits and planning are required. The time commitment is ten to twelve weeks.
Note: Must have consent of the Director.
Prerequisites: EDUC 300.

Grading: INC, COM, N or F

EDUC 401 Units: 0.5
Curricular Planning Orientation
An overview of, and introduction to the Ministry of Education curriculum guides, resource and policy documents, and the Integrated Resource Packages (IRPs). The focus will be on guidelines for lesson and curriculum planning on a daily, unit, and long-term basis.
Prerequisites: Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).
Grading: INC, COM, N or F

EDUC 402 Units: 1.5 Hours: 3-0
Reading: Instructional Principles and Strategies
This course addresses 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, ED-B 748.
Prerequisites: EDUC 302.

EDUC 403 Units: 1.5 Hours: 3-0
Curriculum and Instruction in Elementary Science
A study of the curriculum organization, instructional strategies, and assessment practices in elementary science. The course will include 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, ED-E 745.
Prerequisites: Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

EDUC 404 Units: 1.5 Hours: 3-0
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 an emphasis on participatory citizenship in the pluralistic society, and culture and traditions.
Note: Credit will be granted for only one of 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).

EDUC 405 Units: 1.5 Hours: 3-0
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; teaching strategies; learning activities; classroom settings; and assessment techniques.
Note: Credit will be granted for only one of 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).

EDUC 406 Units: 1 Hours: 1-2
Instructional Technology
This course examines information technologies used to support and extend instruction. Topics include: computer-based technologies and their integration into instruction; multi-media; networking; evaluation of instructional software; instructional applications of the internet. CD-ROM/Web-linked versions available.
Note: Credit will be granted for only one of 406, ED-B 359, ED-B 360, ED-D 338.
Prerequisites: Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

EDUC 407 Units: 0.5
Evaluating and Reporting Student Progress
A collaboratively taught, cross-subject examination of principles and strategies for organizing, interpreting and presenting progress evaluations and report cards to students and their parents. Guidelines for writing report card commentaries will be provided. Strategies for involving students in the monitoring and reporting of their own learning will be considered (portfolio presentations, student conferences) along with suggestions for involving parents in reporting conferences.
Note: Credit will be granted for only one of 407, ED-D 337D.
Prerequisites: Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

EDUC 408 Units: 1.5 Hours: 3-0
Promoting Prosocial Behaviour: Strategies and Management
This course is 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.
Prerequisites: Completion of Year Four of the Bachelor of Education Elementary program.

EDUC 409 Units: 1 Hours: 2-0
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, ED-E 743.
Prerequisites: EDUC 405.

EDUC 410 Units: 1 Hours: 3-0
The Professional Role
This course will focus on the ethical, legal and administrative issues relevant to beginning teachers. Some preparation for Teacher-on-Call positions will be included, in recognition of current entry paths into the profession. Attention will also be directed to resources available to support the on-going professional development needs of teachers throughout their careers. A case study approach will be featured.
Note: Credit will be granted for only one of 410, ED-B 430.
Prerequisites: Completion of Year Four of the Bachelor of Education Elementary program or EDUC 300A.

2005-06 UVIC CALENDAR

COURSE LISTINGS

257
### COURSE LISTINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours:</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 420</td>
<td>1.5</td>
<td>2-0</td>
<td>Management of Learning Needs (Elementary)</td>
</tr>
<tr>
<td>EDUC 421</td>
<td>1.5</td>
<td>3-0</td>
<td>Recognition and Assessment of Learning Needs (Elementary)</td>
</tr>
<tr>
<td>EDUC 422A</td>
<td>1.5</td>
<td>3-0</td>
<td>Adaptation of Curriculum and Instructional Strategies (Language Arts)</td>
</tr>
<tr>
<td>EDUC 422B</td>
<td>1.5</td>
<td>3-0</td>
<td>Adaptation of Curriculum and Instructional Strategies (Mathematical)</td>
</tr>
<tr>
<td>EDUC 423</td>
<td>1.5</td>
<td>3-0</td>
<td>Management and Adaptation of the Classroom Environment</td>
</tr>
<tr>
<td>EDUC 430</td>
<td>1.5</td>
<td>2-0</td>
<td>Community, Culture, and Environment: Overview &amp; Framework</td>
</tr>
<tr>
<td>EDUC 431</td>
<td>1.5</td>
<td>3-0</td>
<td>Community and Culture</td>
</tr>
<tr>
<td>EDUC 432</td>
<td>1.5</td>
<td>3-0</td>
<td>Cultural Studies in Education</td>
</tr>
<tr>
<td>EDUC 433</td>
<td>1.5</td>
<td>3-0</td>
<td>Ecology For Teachers</td>
</tr>
<tr>
<td>EDUC 434</td>
<td>1.5</td>
<td>3-0</td>
<td>Environmental Education</td>
</tr>
<tr>
<td>EDUC 435</td>
<td>1.5</td>
<td>3-0</td>
<td>Cultural and Outdoor Physical Activity</td>
</tr>
<tr>
<td>EDUC 436</td>
<td>1.5</td>
<td>3-0</td>
<td>The Evolution of Educational Ideas: Philosophy, History and the Classroom</td>
</tr>
<tr>
<td>EDUC 437</td>
<td>1.5</td>
<td>3-0</td>
<td>Community Development Project</td>
</tr>
<tr>
<td>EDUC 440</td>
<td>1.5</td>
<td>3-0</td>
<td>Language For Higher Thought</td>
</tr>
<tr>
<td>EDUC 442</td>
<td>1.5</td>
<td>3-0</td>
<td>Creative Thought and Expression Through Music</td>
</tr>
<tr>
<td>EDUC 443</td>
<td>1.5</td>
<td>3-0</td>
<td>Visual Thinking</td>
</tr>
<tr>
<td>EDUC 444</td>
<td>1.5</td>
<td>3-0</td>
<td>Learning Through Drama</td>
</tr>
</tbody>
</table>

**Grading:**
- **INC**: Incomplete
- **COM, N or F**: Credit or No Credit

**Prerequisites:**
- Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary)
- Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary)
- EDUC 430
- Prerequisites: EDUC 430.
of dramatic forms that promote increased understanding within the discipline of drama as well as serving as methodology across the curriculum.

**Prerequisites:** EDUC 440.

**EDUC 445**

**Units:** 1.5  
**Hours:** 3-0  
**Creative Movement**

Laban's four elements of movement (space awareness, body awareness, qualities and relationships) will be the basic structure used to analyze and teach creative movement activities. Instructional strategies will stress exploratory methods and techniques. Practical applications will be made to dance, gymnastics and games.

**Prerequisites:** EDUC 440.

**EDUC 446**

**Units:** 1.5  
**Hours:** 3-0  
**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.

**Prerequisites:** EDUC 440.

**EDUC 447**

**Units:** 1.5  
**Hours:** 3-0  
**Scientific and Technical Literacy**

Science as inquiry and technology as design have been significant influences on North American society. This course will: examine the nature of science and technology; explore curricula, instruction and assessment that encourage students to acquire abilities and habits of mind to construct an understanding of science and technology; focus on big ideas in science technology, and the communications to inform and persuade others to take action on science and technology issues.

**Prerequisites:** EDUC 440.

**EDUC 448**

**Units:** 1.5  
**Hours:** 3-0  
**Teaching Oral French**

This course introduces the 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 448, ED-B 391

**Prerequisites:** EDUC 440; French 12 and 3.0 units of university level French or permission of the instructor.

**EDUC 449**

**Units:** 1.5  
**Hours:** 3-0  
**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.

**Prerequisites:** EDUC 440.  
**Grading:** INP, COM, N or F

**EDUC 487**

**Units:** 0.5-3.0  
**Hours:** 3-0  
**Special Topics in Education**

Topics of current interest or concern to groups of students.

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**Note:** May be taken more than once for credit in a degree program with permission of the Education Advising Centre.

**EDUC 496**

**Units:** 0.5-1.5  
**Formerly:** ED-P 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.

**Prerequisites:** Valid teaching certificate, 3 years experience and permission of the Elementary or Secondary Director.

**ELEC**

**Electrical Engineering**

**Department of Electrical and Computer Engineering**

**Faculty of Engineering**

Cours es 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).

*Subject to Senate Approval.

**ELEC 199**

**Units:** 1  
**Hours:** 1-1.5

**Laboratory in Engineering Fundamentals**

The objective of this course is to introduce students 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.

**ELEC 200**

**Units:** 1.5  
**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 2-D and 3-D transformations; computation of surface characteristics for data visualization.

**Note:** Credit will be granted for only one of 200, ENGR 150, MECH 200.

**Prerequisites:** CSC 110 and MATH 133 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

**Electric Properties of Materials**

Materials for engineering, atomic bondings, crystalline structures, properties of metals, glasses, semiconductors, insulators and magnetic materials.

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**2005-06 UVIC CALENDAR**

Electronic conduction in solids and simple devices. Materials in engineering design and environmental effects.

**Prerequisites:** PHYS 125 or minimum grade of B in PHYS 112; and 216 or PHYS 216 which may be taken concurrently.

**ELEC 250**

**Units:** 1.5  
**Hours:** 3-1.5

**Linear Circuits: I**


**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 255**

**Units:** 1.5  
**Hours:** 3-0-1

**System Dynamics**


**Prerequisites:** MATH 101.

**ELEC 260**

**Units:** 1.5  
**Hours:** 3-0-1

**Signal Analysis**


**Prerequisites:** 216 or PHYS 216; MATH 200 and either 133 or 233A.

**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 responses, design for stability or oscillation in active circuits. Bode plots. Two-port parameters and their characteristics in terms of z, y and a parameters.

**Prerequisites:** 250 and 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 Laplace 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
### ELEC 320
#### Electronic Devices: I
- **Units:** 1.5
- **Hours:** 3-1.5
- **Prerequisites:** ELEC 255 or 260.

### ELEC 330
#### Electronic Circuits: I
- **Units:** 1.5
- **Hours:** 3-1.5
- **Prerequisites:** ELEC 260.

### ELEC 340
#### Electromagnetic Field Theory
- **Units:** 1.5
- **Hours:** 3-1.5
- **Prerequisites:** ELEC 330.

### ELEC 350
#### Communications Theory and Systems: I
- **Units:** 1.5
- **Hours:** 3-1.5
- **Prerequisites:** ELEC 340.

### ELEC 360
#### Control Theory and Systems: I
- **Units:** 1.5
- **Hours:** 3-1.5
- **Prerequisites:** ELEC 365.

### ELEC 370
#### Electromechanical Energy Conversion
- **Units:** 1.5
- **Hours:** 3-1.5
- **Prerequisites:** ELEC 320.

### ELEC 380
#### Electronic Circuits: II
- **Units:** 1.5
- **Hours:** 3-3
- **Prerequisites:** ELEC 255.

### ELEC 395
#### Seminar
- **Units:** 1
- **Hours:** 2-0
- **Prerequisites:** ELEC 395.

### ELEC 400
#### Random Signals
- **Units:** 1.5
- **Hours:** 3-0-1
- **Prerequisites:** ELEC 300 and 330.

### ELEC 403
#### Engineering Design by Optimization
- **Units:** 1.5
- **Hours:** 3-1.5
- **Prerequisites:** ELEC 403.

### ELEC 405
#### Error Control Coding and Sequences
- **Units:** 1.5
- **Hours:** 3-0
- **Prerequisites:** ELEC 300 and 340.

### ELEC 407
#### Digital Signal Processing: II
- **Units:** 1.5
- **Hours:** 3-0
- **Prerequisites:** ELEC 310.

### ELEC 410
#### Power Electronics
- **Units:** 1.5
- **Hours:** 3-1.5
- **Prerequisites:** ELEC 410.

### ELEC 420
#### Introduction to Nanotechnology
- **Units:** 1.5
- **Hours:** 3-0
- **Prerequisites:** ELEC 420.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC 326</td>
<td>1.5</td>
<td>3-1.5</td>
<td>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.</td>
</tr>
<tr>
<td>ELEC 450</td>
<td>1.5</td>
<td>3-1.5</td>
<td>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.</td>
</tr>
<tr>
<td>ELEC 452</td>
<td>1.5</td>
<td>3-1.5</td>
<td>Fiber Optic Technology Light and electromagnetic waves, dielectric slab waveguide, step-index fiber, graded-index fiber, effects of dispersion, phase velocity, attenuation, LED (principles), principles of lasers, semiconductor lasers, principles of semiconductor photo detectors, PIN photodiode, avalanche photodiode, electro-optic modulators, couplers, attenuators, isolators, switches, fiber optic systems. Prerequisites: 340 and fourth-year standing.</td>
</tr>
<tr>
<td>ELEC 453</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
<tr>
<td>ELEC 454</td>
<td>1.5</td>
<td>3-1.5</td>
<td>Microwave Engineering Circuit theory for waveguiding systems, scattering parameters, waveguide discontinuities, couplers, resonators, microwave filters, nonreciprocal devices, design of active microwave circuits. Prerequisites: 404 and fourth-year standing.</td>
</tr>
<tr>
<td>ELEC 456</td>
<td>1.5</td>
<td>3-0</td>
<td>Mobile Communications Fading and shadowing, noise and interference effects; source coding, modulation, error control coding; spread spectrum and multilexing 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: 450 and fourth-year standing.</td>
</tr>
<tr>
<td>ELEC 460</td>
<td>1.5</td>
<td>3-0</td>
<td>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 and fourth-year standing.</td>
</tr>
<tr>
<td>ELEC 466</td>
<td>1.5</td>
<td>3-1.5</td>
<td>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 CSC 355; ELEC 310 or MECH 435 and MECH 455, and fourth-year standing.</td>
</tr>
<tr>
<td>ELEC 481</td>
<td>1.5</td>
<td>3-0</td>
<td>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 networks and other analog-digital LSI. Prerequisites: 320 and 380, and fourth-year standing.</td>
</tr>
<tr>
<td>ELEC 482</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
</tr>
<tr>
<td>ELEC 485</td>
<td>1.5</td>
<td>3-0</td>
<td>Pattern Recognition Parallel and sequential recognition methods. Bayesian decision procedures, perceptors, 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, 486. Prerequisites: STAT 254 or 260, and fourth-year standing.</td>
</tr>
<tr>
<td>ELEC 486</td>
<td>1.5</td>
<td>3-0</td>
<td>Wavelets and Multirate Signal Processing Functional analysis and Fourier analysis; downsampling, upsampling, noble identities, polyphase representations of signals and filters, uniformly 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.</td>
</tr>
<tr>
<td>ELEC 496</td>
<td>1.5</td>
<td>3-0</td>
<td>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 ELEC 496A, 496B, 496C, 496D, 496E, 496F. - May be taken more than once for credit in different topics with permission of the Chair of the Department. Prerequisites: Registration in term 4A or 4B.</td>
</tr>
<tr>
<td>ELEC 499A</td>
<td>1.5</td>
<td>0-6</td>
<td>Design Project A significant technical design project in Electrical 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. Prerequisites: Registration in term 4A in the Electrical Engineering Program or permission of the Department.</td>
</tr>
<tr>
<td>ELEC 499B</td>
<td>1.5</td>
<td>0-6</td>
<td>Design Project For description see ELEC 499A. Prerequisites: Registration in term 4B in the Electrical Engineering Program or permission of the Department.</td>
</tr>
<tr>
<td>ENGL 099</td>
<td>0</td>
<td>3-0</td>
<td>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 134.</td>
</tr>
</tbody>
</table>
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.
Prerequisites: Qualifying score on LPI.

ENGL 125 Units: 1.5 Hours: 3-0
Poetry and Short Fiction
An introduction to short fiction and poetry and the writing of critical essays on these genres. Discussions and assignments focus on the analysis and interpretation of poems and short stories; emphasis on Canadian authors; introduction to critical terms. Writing of critical essays, with attention to organization, paragraph development, evidence, clarity, and appropriate use of quotations; library test.
Note: Credit will be granted for only one of 125, 116, 122
Prerequisites: English 12 class grade, qualifying score on LPI or 1.5 units of English.

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: English 12 class grade, qualifying score on LPI or 1.5 units of English.

ENGL 145 Units: 1.5 Hours: 3-0
Drama and the Novel
An introduction to drama and the novel and the writing of critical essays on these genres. Discussions and assignments focus on the analysis and interpretation of plays, screenplays, and novels; emphasis on Canadian authors; introduction to critical terms. Writing of critical essays, with attention to organization, paragraph development, evidence, clarity, and appropriate use of quotations; library test.
Note: Credit will be granted for only one of 145, 116, 122
Prerequisites: English 12 class grade, qualifying score on LPI or 1.5 units of English.

ENGL 200A Units: 1.5 Hours: 3-0
Formerly: part of 200
Medieval and Renaissance Literature
A study of major works of the Middle Ages and Renaissance. Subjects may include the development of English as a literary language, the social structures of feudalism, women and spirituality, the cultural upheavals caused by the Reformation, the scientific revolution, and the English civil war. Readings in medieval drama, medieval devotional prose, and works by Chaucer, Langland, the Gawain poet, Spenser, Marlowe, Shakespeare, Donne, or Milton.
Note: Credit will be granted for only one of 200A, 150, 200.

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
Introduction to Literary Interpretation
A practical introduction to the ways literary texts generate meaning, and also to the broad range of models and strategies of literary interpretation; short works of poetry, fiction, and drama will be used to explore characteristic features of each genre, and critical essays from various interpretive perspectives to introduce a range of theoretical models of literary meaning and its reception by the reader.

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. The course is open to all students, but is of special relevance to those going into the teaching profession.
Prerequisites: A minimum average grade of B- (4.0) in 3 units of first-year English, or permission of the Director of Writing.

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, the course is 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. The course offers experience of both individual and group problem-solving.
Prerequisites: 3 units of first-year English or permission of the Department.

ENGL 250 Units: 1.5 Hours: 3-0
Contexts of Literature
This course is an introduction to the relationships between literature and other aspects of our culture. This Year:
Fall: (Section A) Literature and Lessons of the Holocaust
An interdisciplinary consideration of the Holocaust through the prisms of literature and history; an examination of the historical context of the Holocaust; an introduction to the literary works of survivors and observers; and insights from the perspective of a survivor within the holocaust.
Fall: (Section B) Gay American Fiction Since Stonewall
A study of gay American Fiction published since the Stonewall Rising of 1969; novels and short stories by first-wave novelists (Holleran, White, Picano) as well as work by younger writers (Cunningham, Hayes); secondary reading in social history, literary criticism and queer theory.
Spring: Hockey Literature and the Canadian Psyche Development and transformation of hockey in the last hundred years. A look at the literature of the game to discover what seems to make hockey synonymous with Canadian culture. How does literature about hockey reflect problems of Canadian identity.
Notes: - Students may take 250 for a maximum of 3 units of credit.
- This course is primarily designed as an elective for students not intending to major in English.
Prerequisites: 3 units of first-year 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: Credit will be granted for only one of 301, 225, 228, 240, ENGR 240.
Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, 225; 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.

Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, 225; ENGR 240.

ENGL 303 Units: 1.5 Hours: 3-0
Formerly: ENGL 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.

Note: Credit will be granted for only one of 303, 216 if 216 taken in 2000-01 or 2001-02.

Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, 225; ENGR 240.

ENGL 310 Units: 3 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 Director of Honours.

Note: Credit will be granted for only one of 310, 345.

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 346 Units: 1.5 Hours: 3-0
Formerly: 355
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 346, 355.

ENGL 347 Units: 1.5 Hours: 3-0
Formerly: 356
Old Icelandic Literature
A study of Hrafnkell Saga, Bandmannasaga, Harvarar Saga and Heldreiks, and selected Eddic poems.

Note: Credit will be granted for only one of 347, 356.

Prerequisites: 346 or permission of the instructor.

ENGL 351 Units: 1.5 Hours: 3-0
Canterbury Tales
An introductory study of Chaucer’s poetry focusing specifically on the Canterbury Tales.

ENGL 352 Units: 1.5 Hours: 3-0
Chaucer and His Contemporaries
The important works of Chaucer outside the Canterbury Tales, primarily Troilus and Criseyde, and a selection from his dream visions and lyric. Other medieval authors may be studied to illuminate the medieval literary traditions in which Chaucer was writing, or which he later influenced.

Prerequisites: 351 or permission of the instructor.

ENGL 353 Units: 1.5 Hours: 3-0
Studies in Medieval English Literature
A study of the major literary works and genres of the medieval period (excluding Chaucer). The course will centre on specific genres (romance, drama, lyric, etc.), at the discretion of the instructor, with annual advertisement.

This is a 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 354 Units: 1.5 Hours: 3-0
Old and Middle English Literature in Translation
A survey of English literary texts of the Middle Ages; selections will range from Beowulf to medieval lyrics, morality plays, and romances, as well as major works by the Gawain poet, Langland, and the Scots poets. The survey does not include Chaucer.

ENGL 357 Units: 1.5 Hours: 3-0
The Poetry of the Alliterative Revival
Various works within the tradition of Middle English alliterative writings such as Langland’s Piers Plowman; Sir Gawain and the Green Knight, Pearl, The Alliterative Morte Arthur, Winner and Waster, and other related works in both verse and prose.

ENGL 359 Units: 1.5 Hours: 3-0
Sixteenth-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.

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.

This year: Texts and Contexts of the Early Tudor Lyric
The lyric was an integral part of the cultural fabric of the early Tudor court; it refined, reflected, and assisted in defining the socio-political milieu of Henry VII and Henry VIII’s courts. Course explores aspects of the English Renaissance lyric prior to the Elizabethan period in which it is often considered to have reached its aesthetic height (typically exemplified by the work of the Elizabethan courtier Philip Sidney).

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 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 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: 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.
### 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.

### 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.

### ENGL 379
**Units:** 1.5  
**Hours:** 3-0  
**Formerly: part of 384**  
**British Fiction and Non-Fiction of the Early Nineteenth Century**  
Prose writings (novels, autobiography, essays, short stories) of the early nineteenth century. Focus on works by Jane Austen, Sir Walter Scott, Mary Shelley, James Hogg, Thomas DeQuincey, and the Brontes; Gothic novels, historical novels and novels of manners.

### 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 Brontes, 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.

### 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-WWII War 1 figures such as Wells, Bennett, and early Woolf; issues include fin-de-siecle 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 Rossettis, Swinburne and Hopkins. The achievements of the major Victorian poets will be examined in relation to nineteenth-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.  
**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

### ENGL 389
**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: James Joyce's Ulysses  
The most influential novel of the 20th century; course analyses whole novel in depth; various theoretical approaches, including Marxist, post-colonial, feminist, and Derridean; above all, its humane attitude to the human comedy.  
**Notes:** - Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.  
- A seminar course limited to 20 students.

### ENGL 390
**Units:** 1.5  
**Hours:** 3-0  
**Studies in a Major Figure**  
A study of the works of a single literary figure.  
**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 studies texts that develop ideas of myth.  
**Notes:** - 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  
**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**  
The course will offer 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 a General, Major or Honours program in English.  
**Prerequisites:** A minimum average grade of B- (4.0) 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, HTML, annotation, style sheets, JavaScript, rich media.  
**Prerequisites:** 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 138, 185, 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, EDCL 347A.
ENGL 403  Units: 1.5  Hours: 3-0
Formerly: 302
Lithary Approaches to Childhood and Adolescence
The course explores literary works, mainly of the 20th century, that dramatize adult attitudes to children and the behaviour of young persons during childhood and adolescence in the context of relevant theories concerning child development. The approach is cross-cultural. Supplementary film or other material will be used as available.
Note: Credit will be granted for only one of 403, 302.

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
This is a variable content course, offered according to the interests and needs of students and faculty. This year: The Electronic Document
A hands-on investigation into the ideas and techniques of electronic documents, rethinking the traditional, two-dimensional static versions that professional and technical writers must routinely produce. Throughout, the goal is responding more usefully to the shifting needs of readers. "For a full course description, visit <http://web.uvic.ca/axkelor/pw406e>.

(English 401 is a prerequisite for this section.)
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, 225; ENGR 240.

ENGL 407  Units: 1.5  Hours: 3-0
Computer-Mediated Communication
A critical examination of 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.
Note: Credit will be granted for only one of 407, 406 if 406 taken in the same topic.
Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, 225; ENGR 240.

ENGL 408  Units: 1.5  Hours: 3-0
Web-Based Documentation
Basic principles of creating Web-based documentation, including task and audience analysis, usability, interactivity, and rich media.
Note: Credit will be granted for only one of 408, 406 if 406 taken in the same topic.
Prerequisites: 401 or permission of the instructor.

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, Mark, 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 and 365 if 365 taken prior to 1983. Not applicable as Renaissance credit for Major and Honours students.

ENGL 410  Units: 3  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 not be granted for 410 and 410A, 410B.

ENGL 412  Units: 1.5  Hours: 3-0
Computer-Assisted Research and Reporting
Workshop introducing spreadsheets and databases for more effective online research and writing. Topics include: contextualizing data and developing articles and proposals from online sources; mapping software; guidelines for researching on the Internet.
Prerequisites: 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 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.
Notes: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.
- A seminar course limited to 20 students.

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. The course will consider 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. The course will consider 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 415C  Units: 1.5  Hours: 3-0
Formerly: 380
Special Studies in the Literature of the United States
A study of American literature which will focus attention on a specific theme, problem, genre or author at the discretion of the instructor, advertised annually.
Note: Credit will be granted for only one of 425, 380. 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
Studies in North American Literature
A variable content course which examines comparable themes, periods or authors in both Canadian and American Literature.
This year: Gender Politics in the Poetry of Margaret Atwood and Marge Piercy
Will examine feminist issues in the poetry of two major twentieth-century women poets, with particular attention to the volatile area of heterosexual relationships. Will examine each poet’s approach to such relationships in light of second-wave feminism and contemporary feminist and psychoanalytic theory in order to explore the fascinating questions of how gender inequality affects intimate interpersonal relationships, and how the dynamics of such relationships in turn affect gender politics on a larger scale.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 417  Units: 1.5  Hours: 3-0
Nineteenth-Century American Literature
A study of the 19th century prose and poetry which led to the full maturity of a distinctive social, political and intellectual literature; emphasis on such major figures as Poe, Emerson, Margaret Fuller, Frederick Douglass, Thoreau, Dickinson, Whitman, William James, W.E.B. DuBois; primary consideration will be given to genres other than the novel (essays, poetry, autobiographies and slave narratives, short stories).

ENGL 428A  Units: 1.5  Hours: 3-0
Formerly: part of 428
19th Century American Fiction: 1
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.
UVIC UNDERGRADUATE CALENDAR 2005-06

COURSE LISTINGS

ENGL 431  Units: 1.5  Hours: 3-0
American Poetry: 1910-1950
Readings in American poetry of the period 1910-50. The main poets studied will be Robert Frost, Wallace Stevens, William Carlos Williams, and Hart Crane. Contextual reference will be made to other poets such as Marianne Moore, E.E. Cummings, and the Fugitives.

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 Perelman.
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 434  Units: 1.5  Hours: 3-0
British Poetry from 1914 to the Present Day
This course will include discussion of the main poetic movements of the period, together with explanations of the work of individual poets, such as Wilfred Owen, T.S. Eliot, David Jones, Dylan Thomas, W.H. Auden, W.B. Yeats, D.H. Lawrence, Hugh MacDiarmid, and others.

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.

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 nineteenth 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.
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 colonised area, such as India, Africa, Australia, or the Caribbean.

ENGL 440  Units: 1.5  Hours: 3-0
The History of the English Language
A survey of 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.

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.
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. The course will focus on themes and issues engaged by authors from throughout the English-speaking world.
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: I
A study of important Canadian authors who came to prominence in the two decades following World War II; major figures considered may include Hugh MacLennan, Mordecai Richler, Ernest Buckler, Robertson Davies, and Margaret Laurence. Some attention will also be paid to the development of the short story in these years.

ENGL 451  Units: 1.5  Hours: 3-0
Modern Canadian Fiction: II
A study of Canadian novelists and short story writers who have achieved recognition in recent years; major figures considered may include Margaret Atwood, Alice Munro, Robert Kroetsch, Rudy Wiebe, and Jack Hodgins.

ENGL 452  Units: 1.5  Hours: 3-0
Formerly: part of 397
Modern Canadian Poetry: I
A study of important Canadian poets who came to prominence in the two decades following World War II; major figures considered may include F.R. Scott, Dorothy Livesay, Earle Birney, Irving Layton, Leonard Cohen, and P.K. Page.
Note: Credit will be granted for only one of 452, 397.

ENGL 453  Units: 1.5  Hours: 3-0
Formerly: part of 397
Modern Canadian Poetry: II
A study of Canadian poets who have achieved recognition in recent years; major figures considered may include Phyllis Web, Al Purdy, Margaret Atwood, and Michael Ondaatje.
Note: Credit will be granted for only one of 453, 397.

ENGL 454  Units: 1.5  Hours: 3-0
Early Canadian Poetry
A study of Canadian poetry from its beginnings to World War I; poets to be studied may include Goldsmith, Roberts, Lampman, D.C. Scott, Crawford, Pickthall and Johnson.

ENGL 455  Units: 1.5  Hours: 3-0
Contemporary Canadian Fiction and Poetry
A study of contemporary Canadian fiction and poetry; postmodernism, gender issues and identity questions. Readings may include Margaret Atwood, George Bowering, Joy Kogawa, Lee Maracle, Timothy Findley, Daphne Marlatt, Erin Moure, Al Purdy and Austin Clarke.
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; will include 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
Traditions in Canadian Literature
A study of Canadian poetry, fiction and criticism in relation to the interdisciplinary construction of the Canadian literary “canon” and Canadian “identity”; the emergence of First Nations, feminist and ethnic Canadian literatures and the challenges they have posed to the Canadian literary tradition; the role of the Canadian cultural industries and cultural policies in the production and reception of Canadian literature.

ENGL 458 Units: 1.5 Hours: 3-0
Also: 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 Canadian Literature must read the texts in the original.
Note: Credit will be granted for only one of 458, FREN 487.

ENGL 459 Units: 1.5 Hours: 3-0
Early Canadian Prose
A study of English Canadian prose literature from its beginnings to the early twentieth century. Main focus will be on the development of the novel, but attention will also be paid to the short story and non-fiction prose. Authors may include John Richardson, William Kirby, Susanna Moodie, Sara Jeannette Duncan, F.P. Grove, Martha Ostenso, Morley Callaghan, Sinclair Ross, and Howard O’Hagan.

ENGL 460 Units: 1.5 Hours: 3-0
Formerly: 446
History of Critical Theory
A seminar in the history of critical theory, with a study of its relation in practice to specific genres and styles.
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 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; they will then be able to work with theoretical concepts, issues, and terminology.
Note: Credit will not be given for both 461 and any of 447, 467, and 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 464 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, T.V., art, architecture), electronic media (Internet) to music; themes may include commodification, the construction of identity, ideological manipulation, hyperreality.

ENGL 465 Units: 1.5 Hours: 3-0
Honours Seminar: Early Twentieth-Century Literary Theory
A variable content course which explores the role of women in the context of different theoretical approaches.

ENGL 466 Units: 1.5 Hours: 3-0
Honours Seminar: Late Twentieth-Century Literary Theory
A variable content course which explores the role of women in the context of different theoretical approaches.

ENGL 467 Units: 1.5 Hours: 3-0
Women’s Literary Traditions

ENGL 468 Units: 1.5 Hours: 3-0
Women’s Literary Traditions

ENGL 470 Units: 1.5 Hours: 3-0
Women’s Literary Traditions

ENGL 471 Units: 1.5 Hours: 3-0
Women’s Literary Traditions

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/B/C; 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 200A/B/C; 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
Literature of British Columbia
A study of English Canadian prose literature from its beginnings to the early twentieth century. Main focus will be on the development of the novel, but attention will also be paid to the short story and non-fiction prose. Authors may include John Richardson, William Kirby, Susanna Moodie, Sara Jeannette Duncan, F.P. Grove, Martha Ostenso, Morley Callaghan, Sinclair Ross, and Howard O’Hagan.

ENGL 476 Units: 1.5 Hours: 3-0
Women’s Literary Traditions

ENGL 477 Units: 1.5 Hours: 3-0
Women’s Literary Traditions

ENGL 478 Units: 1.5 Hours: 3-0
Women’s Literary Traditions

ENGL 479 Units: 1.5 Hours: 3-0
Women’s Literary Traditions

ENGL 480 Units: 1.5 Hours: 3-0
Women’s Literary Traditions

ENGL 491 Units: 1.5 Hours: 3-0
Directed Reading in English
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 480 taken for 3 units prior to 1976-77. ENGL 491 is a tutorial intended primarily for students in the Honours Program, and must be approved by the Director of Honours and the Chair of the Department.
Note: ENGL 490 is a tutorial intended primarily for students in the Honours Program, and must be approved by the Director of Honours 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 registering for this course must first have the approval of the instructor, the Director of the Professional Writing Program, and the Chair of the Department.
Prerequisites: 3 units from ENGL 401, 406, 407, 408 and 412.

ENGL 496 Units: 1.5 Hours: 3-0
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
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 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.

Prerequisites: 240, which may be taken concurrently.
Grading: COM, E, F or N

ENGR 240 Units: 1.5 Hours: 3-0
**Technical Writing**

This course will focus on 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, ENGL 226, ENGL 240.
Prerequisites: ENGL 115 or 135.

ENGR 280 Units: 1.5 Hours: 3-0
**Engineering Economics**


Prerequisites: MATH 133 or 233A
Pre- or corequisites: STAT 254 or 260

ENGR 297 Units: 1.5 Hours: 3-0
**Technology and Society**

This course 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.

Note: ENGR 297 must be taken by all BEng students. SENG 400, SENG 401, or any other course may not be used as a substitute
Prerequisites: ENGR 240 or ENGL 225 or 240.

ENGR 390 Units: 6-9
**Engineering Exchange Term**

Where the Faculty of Engineering has entered into an exchange agreement with another Faculty in Canada or elsewhere, students may register in this course for up to 9 units per term towards their BEng degree at the University of Victoria. The terms and conditions of a student's enrollment 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 Faculty.

Note: Permission of the Dean is required. This course can be taken twice.
Grading: COM or F

ENGR 446 Units: 1
**Technical Report**

A major technical report demonstrating written communication and analytical skills. The report topic must be approved by the Engineering Co-op Programs Manager at least two months prior to submission.

Work Term Report Guidelines in effect at the time of registration govern report style and format. Students must register in this course in the term preceding their final academic term and the report must be submitted to the Engineering Co-op Office by the first day of classes in the final academic term of the student's program.

Prerequisites: 240.

ENGR 466 Units: 4.5 Hours: 0-18
**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 Mechatronic/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.

Pre- or corequisites: ELEC 466, SENG 466 and MECH 466.

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), HOS (Hospitality), HSM (Hospitality Services Management), IB (International Business), MBA (Master of Business Administration).

**ENT 402** Units: 1.5 Hours: 3-0
Formerly: ENT 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 environmental analysis into a comprehensive business plan. The business venture is examined with respect to financial planning, market, management, and tax decisions at the various stages of the business life cycle.

Note: Credit will be granted for only one of 402, 302. Enrollment limited to students outside the Entrepreneurship area of concentration.

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 develop 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.

Corequisites: ENT 410, 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 students develop 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.

Corequisites: ENT 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 area of concentration. Students examine the processes and content (sequence and norms) of New Venture Expert Scripts, and create their own master and sub-scripts that enable them to become independent economic actors within the economy. Students create individual verbal and written scripting, screening, planning, financing, start-up and harvesting scripts.

Corequisites: ENT 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 material is designed to help students to further integrate into practice the concepts experienced within the Entrepreneurship area of concentration. Students participate in industry tours, networking sessions, start-up experiences, visits from guest speakers, case studies and industry immersions. From these experiences, and using individualized constraints analysis, 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 other portions of the Entrepreneurship Program.

Corequisites: ENT 410, 411, 412 and registration in the special entrepreneurship section of COM 400.

**ENT 414** Units: 1.5 Hours: 3-0
**Post-Launch Venture Issues**

Students examine and apply principles and practices needed to sustain a growing business, including advanced market scanning and response, growth financing (successive rounds), database management, scripting growth expertise, managing stakeholder relationships, supplier and customer value retention, and the analytical methods necessary to support these skills. Students will demonstrate this expertise, and communicate the value of work-term experiences through the revision, and expansion of an existing Entrepreneurship Portfolio; or the development of these elements in a growth portfolio.

Prerequisites: COM 400, ENT 410, ENT 411, ENT 412 and ENT 413.

**ENT 421** Units: 1.5 Hours: 3-0
**Global Venture Expertise**

This course material is 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 neces-
sary 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:** COM 400, ENT 410, ENT 411, ENT 412 and ENT 413.

**ENT 422**

**Units:** 1.5  **Hours:** 3-0  **Global Entrepreneurship Consulting/Living Case Project**

This course is designed to provide global entrepreneurship specialists with practical experience and the opportunity to apply concepts and principles introduced in ENT 421. Through work-term experiences, living cases and traditional case methods, students will develop analytical skills necessary for developing entrepreneurial approaches to foreign markets. Students will produce either a consulting report or major analysis paper.

**Note:** Enrollment limited to students in the Entrepreneurship area of concentration or with permission of the instructor.

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**Earth and Ocean Sciences**

**School of Earth and Ocean Sciences**

**Faculty of Science**

**EOS 110**

**Units:** 1.5  **Hours:** 3-3

Also: GEOG 110

Introduction to the Earth System: I

The dynamic processes acting within the atmosphere and oceans. The underlying principles of air-sea interactions, wind and current systems, weather patterns, global climate change, biological interactions, and the origin and structure of the ocean basins are explored.

**Note:** Credit will be given for only one of 110 and any of GEOG 213, GEOG 203B or GEOG 216; credit will be given for only two of 100, 101, (EOS 110 or GEOG 110 or GEOG 216) or (EOS 120 or GEOG 120 or GEOG 217). Credit will be given for only one of EOS/GEOG 110, EOS 350, EOS/GEOG 110, 120 need not be taken in sequence.

**EOS 120**

**Units:** 1.5  **Hours:** 3-3

Also: GEOG 120

Introduction to the Earth System: II

Principal geological processes which shape the Earth, the relationships among the geosphere, hydrosphere and atmosphere, and the history of past life and environments. Nature of tectonic forces, earthquakes, volcanoes, rocks and minerals, mountain building and the evolution of continents. Processes of erosion, transport and deposition of sediments on land and under the ocean. Linkages between plate tectonics and natural hazards and resources in the context of human development.

**Note:** Credit will be given for only one of 120 and any of GEOG 213, GEOG 203A, or GEOG 217; credit will be given for only two of 100, 101, (EOS 110 or GEOG 110 or GEOG 216) or (EOS 120 or GEOG 120 or GEOG 217). Credit will be given for only one of EOS/GEOG 120, EOS 370, EOS/GEOG 110, 120 need not be taken in sequence.

**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:** Two of 100, 101, (110 or GEOG 110 or GEOG 216) or (120 or GEOG 120 or GEOG 217); EOS 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 geologic maps. The origin of crustal deformation in the context of plate tectonics.

**Prerequisites:** Two of 100, 101, (110 or GEOG 110 or GEOG 216) or (120 or GEOG 120 or GEOG 217).

**EOS 205**

**Units:** 1.5  **Hours:** 3-3  **Mineral Sciences**

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 minerals in relation to changing physical and chemical conditions in igneous, metamorphic, and sedimentary environments.

**Prerequisites:** Two of 100, 101, (110 or GEOG 110 or GEOG 216) or (120 or GEOG 120 or GEOG 217); CHEM 101, 102.

**EOS 210**

**Units:** 1.5  **Hours:** 3-0  **Introductory Geophysics**

Structure of the earth, plate tectonics and seafloor spreading. Principles of geomagnetism, geoelectricity, rock magnetism, gravity, seismology, geochronology, heat flow, and solar terrestrial relations.

**Note:** Credit will be given for only one of PHYS 210, EOS 210.

**Prerequisites:** Any one of PHYS 112, 120 or 122; MATH 100 and 101.

**EOS 240**

**Units:** 1.5  **Hours:** 3-3  **Geochronology**

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 360 was taken prior to Winter 1993-94.

**Prerequisites:** Two of 100, 101, (110 or GEOG 110 or GEOG 216) or (120 or GEOG 120 or GEOG 217).

**Pre- or corequisites:** CHEM 222 and 245.

**EOS 300**

**Units:** 1.5  **Earth Science Field School**

A ten day field course in and around Southern Vancouver Island during which the students will be introduced to geological mapping (traversing, sampling and acquisition of geological data), the regional geology and tectonics of Vancouver Island, and shipboard geophysical measurements and offshore sediment sampling. Normally held in late April - early May after examinations for Year 2.

**Prerequisites:** 201 and 202.

**EOS 310**

**Units:** 1.5  **Igneous Geology**

The physics and chemistry of magma genesis at the Earth's surface and under the ocean. The underlying principles of air-sea interaction and oceanic processes. The dynamic processes acting within the atmosphere and oceans. The relationships among the geosphere, hydrosphere and atmosphere, and the history of past life and environments. Nature of tectonic forces, earthquakes, volcanoes, rocks and minerals, major tectonic plates, and the evolution of the Earth's lithosphere. Textural and mineralogical features and behavior of metamorphic rocks within the Earth's crust, including the processes of crystal growth, recrystallization, and metamorphism. The physical and chemical controls that govern the formation of metamorphic rocks, and their relationships to geologic structures. Interpretation of the physical mechanisms of folding and faulting in rocks with structural data and geologic maps. The origin of crustal deformation in the context of plate tectonics.

**Prerequisites:** Two of 100, 101, (110 or GEOG 110 or GEOG 216) or (120 or GEOG 120 or GEOG 217).

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**2005-06 UVIC CALENDAR**

**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 two single-day oceanographic cruises expected.

**Note:** Credit will be granted for only one of 311, BIOL 311, BIOL 311B

**Prerequisites:** MATH 100/101, PHYS 102 or 112, and CHEM 101/102; BIOL 215 recommended.

**EOS 320**

**Units:** 1.5  **Hours:** 3-3  **Metamorphic Geology**

The physical and chemical controls that govern the behaviour of metamorphic rocks within the Earth's crust. Textural and mineralogical features and thermodynamic principles are used to interpret the evolution of metamorphic rocks from a variety of plate tectonic environments. Linkages with other aspects of the Earth system are explored.

**Prerequisites:** 202, 205 and 240.

**EOS 330**

**Units:** 1.5  **Hours:** 3-3  **Paleobiology**

Processes and patterns in the evolution of life through time; speciation, extinction, and evolution. The relationships of biotas to depositional systems: paleoecology, ecostratigraphy, biostatigraphy and paleobiogeography. Major events in the history of life. Laboratories and field trips will provide illustrations of fossil examples, particularly of invertebrates, partly in collaboration with the Royal British Columbia Museum.

**Note:** Credit will be granted for only one of 330, 360.

**Prerequisites:** 201, BIOL 150A, or permission of the instructor.

**EOS 340**

**Units:** 1.5  **Hours:** 3-0  **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, oceans, air-sea interactions, El Nino, greenhouse effect, ozone hole, and acid rain.

**Prerequisites:** PHYS 112 or 120 or permission of the instructor.

**Pre- or corequisites:** MATH 200 or 205, and MATH 201

**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 Nino, climate change, ocean circulation, waste disposal, food chains and/or over-fishing.

**Note:** May not be used as credit toward EOS general, major, honours, or combined degree programs.

**Prerequisites:** Second-year standing.

**EOS 360**

**Units:** 1.5  **Hours:** 3-0  **The Evolution of Life Through Time**

Key developments in the evolution of life over the 4 billion years of Earth history. The progressive increase in biodiversity in both the marine and terrestrial realm is discussed. Dramatic reductions in diversity are produced through a variety of extinction events including the current example induced by human activities.
### COURSE LISTINGS

#### EOS 370
**Units:** 1.5  
**Hours:** 3-0  
**Earthquakes, Natural Hazards and Plate Tectonics**  
A review of the modern and ancient plate tectonic processes that result in oceanic ridge systems, seafloor spreading, subduction zones, and mountain belts. The impact of these processes on human development will be discussed, specifically earthquakes, tsunamis, landslides, and volcanic eruptions.  
**Note:** Course may not be used as credit toward SEOS general, major, honors or combined degree programs.  
**Prerequisites:** Second-year standing.

#### EOS 370
**Units:** 1.5  
**Hours:** 3-0  
**Advanced Field School**  
A 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. Normally held in late August - early September, prior to registration.  
**Prerequisites:** 300, 310, 320, or permission of the instructor; 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, deposition, and diagenetic remineralization 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, minimum sessional GPA of 6.5, and permission of the instructor.

#### 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, 310, 340; or permission of the instructor.

#### EOS 410
**Units:** 1.5  
**Hours:** 3-1  
**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 instructor.

#### 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:
Credit will be granted for only one of 360, 330, BIOL 350. Course may not be used as credit toward SEOS general, major, honors, or combined degree programs. Open to students with credit in 360 if taken prior to Winter 1993-94.  
**Prerequisites:** Second-year standing.

#### EOS 422
**Units:** 1.5  
**Formerly: Part of EOS 420 (prior to 2004W session)**  
**Energy Resources**  
This course discusses the Earth's major economic natural energy resources. The focus is 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 modeling 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 420 taken prior to Winter 2004.

#### 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 oceanic 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 or Third Year Chemistry; permission of the instructor.

#### EOS 427
**Units:** 1.5  
**Hours:** 3-1  
**Also: PHYS 427**  
**Geophysics**  
Structure and composition of the earth, geochronology, gravity, geomagnetism, space physics including plasma dynamics, the ionosphere and the magnetosphere.  
**Note:** Credit will be granted for only one of PHYS 427, EOS 427, Offered in Spring of odd-numbered years, e.g. January 2005.  
**Prerequisites:** PHYS 220, 326  
**Pre- or corequisites:** MATH 330B and 326

#### EOS 430
**Units:** 1.5  
**Hours:** 3-3  
**Isotopes in Earth and Ocean Sciences**  
Basic principles controlling isotope distributions, including natural abundances, radiogenic decay, equilibrium and kinetic isotope effects. Applications of these principles in the fields of: 1) Earth history - global processes and chronology; 2) mineralization - diagenesis, catagenesis; 3) hydrogeology and characterization of water and air masses; 4) biogeochemistry and biological fractionation isotopes.  
**Prerequisites:** 240 or permission of the instructor.

#### EOS 431
**Units:** 1.5  
**Hours:** 3-0  
**Physical Oceanography**  
Physical properties of seawater, water masses, ocean currents, meridional distribution of salinity and temperature, surface heat budgets, water masses, estuary flows.  
**Pre- or corequisites:** PHYS 112, MATH 205 or 200, 201; or permission of the instructor.

#### EOS 433
**Units:** 1.5  
**Hours:** 3-0  
**The Ocean-Atmosphere System**  
Studies of the earth's climate require an understanding of the intimate links between the ocean and atmosphere. Basic theories of the circulation of each are discussed and the physics of coupled models examined with emphasis on simple intuition-building mathematical models as well as discussion of large computer models.  
**Pre- or corequisites:** 340, 431; MATH 326, 330B; PHYS 317, 321A, 325, 426; or permission of the instructor.

#### 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 326, 330B; PHYS 317, 321A, 325, 426; or permission of the instructor.

#### 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, MATH 200 or 205, and MATH 201; or permission of the instructor.

#### EOS 450
**Units:** 1.5  
**Hours:** 3-0  
**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 and 240; or permission of the instructor.

#### 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 and atmosphere; methods of systems analysis for the planet; modeling of global processes, especially past and future climate change.  
**Prerequisites:** Completion of at least 3 300-level EOS courses.

#### EOS 470
**Units:** 1.5  
**Hours:** 3-0  
**Geodynamics**  
An introduction to thermal and mechanical modelling of earth processes through analytical and numerical techniques. Applications of continuum physics to geodynamics, including dynamic modelling of mantle convection, plate tectonics, lithospheric deformation, and sedimentation. Incorporation of the effects of surface processes and subsurface fluid flows on crustal deformation.  
**Prerequisites:** Fourth-year standing in SEOS or Physics; or permission of the instructor.

#### 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 seismology, gravity, magnetics, heat flow, radioactivity and electrical methods. Emphasis will be placed on interpretation of geophysical data for earth structure.  
**Prerequisites:** Fourth-year standing in SEOS or Physics; or permission of the instructor.
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 PNS 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 332, ES 341, ES 400D or 400D taken in 1995-96. May be taken for credit by Diploma students as ER 311 without prerequisite credit.
Prerequisites: ES 200 or ES 300A; or permission of the Director 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. Will focus 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: Biology 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 ecosystem 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 ecoregions 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
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 interrelations, 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 300A or permission of the Director if taken as ES 423.

ER 327 Units: 1.5
Ecosystem Restoration 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.
272  COURSE LISTINGS

ER 333  Units: 1.5
Reclamation and Restoration of Contaminated Sites
Role of toxic substances in ecosystems and restoration of contaminated sites. The properties of toxins and their distribution in water and soil. Ecological risk assessment and priority toxics management. Site assessment. Monitoring, decontamination, reclamation and restoration of specific sites.
Note: First year chemistry recommended. 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; types of marine aquatic systems; types of disturbance and their impact; restoration strategies for near shore and offshore systems; case studies of disturbances and restoration (e.g., coral reefs, benthic communities and sediments).
Notes: - 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 351  Units: 1.5
Introduction to Non-Timber Forest Products (NTFP) and their Management
An introduction to the commercial, cultural, subsistence, and recreational uses of non-timber forest products in BC. Topics include challenges of sustainable use; ethical and legal issues; First Nations use, ownership, and intellectual property rights; and a range of management practices from resource protection and natural harvesting to propagation and intensive cultivation.
Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

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: COM or INC

ER 411  Units: 1.5
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.
Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ES 301  Units: 1.5  Hours: 3-0
Political Ecology
This course introduces 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. In turn, this course will examine 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

ES 312  Units: 1.5  Hours: 3-0
Environmental Economics
Economic principles as applied to problems of living in the natural environment. The problem of spillovers associated with economic processes. Externalities and their management through economic institutions. Problems of conservation and possible limits to economic growth arising from scarcity of environmental resources.
Note: Credit will be granted for only one of 312, ECON 330.
Prerequisites: ECON 103 or ECON 201 or permission of the Department of Economics.

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 satisfaction; 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 316  Units: 1.5  Hours: 3-0
Also: GEOG 350
Geography of Resource Management
Introduces the conceptual foundations of resource management and conservation. Focus on geographic management and conservation. Focus on geographic aspects of resource management emphasizing ecological, economic and political variations. Critiques policy formulation and change and reviews case studies of field level management issues. Includes simulation sessions, a field trip and field methods review.
Note: Credit will be granted for only one of 316, GEOG 350, GEOG 350A, 350B.
Prerequisites: GEOG 214, 1.5 units at GEOG 200-level and one of ES 200 or 300A

ES 320  Units: 1.5  Hours: 3-0
Also: BIOL 370
Conservation Biology
Diversity of organisms, functioning of ecosystems, and the impact of human activities on them. 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 and 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. This course is a prerequisite for the more advanced courses on ethnobotany and traditional land and resource management. 

Prerequisites: 200 or 300A 

ES 341 Units: 1.5 Hours: 3-0 
Formerly: ES 352 
Ecological Restoration 
This course examines 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 400D taken in 1995-96. 

Prerequisites: 200 or 300A 

ES 344 Units: 1.5 Hours: 3-0 
Also: BIOL 330 
Formerly: ES 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: BIOL 215 and STAT 255 or 260. 

ES 348 Units: 1.5 Hours: 3-0 
Also: ER 313 
Formerly: ES 318 
Biodiversity and Conservation Biology 
Study of biological organisms and ecosystems with particular reference to mechanisms of change and human impacts on the environment. Will focus 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 380 Units: 1.5 Hours: 3-0 
Formerly: ES 300B 
Environmental Topics: Topics in Sustainable Communities 
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: ES 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: ES 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: ES 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, 400D if 400D taken in 1989-94. 

Prerequisites: 200 or 300A, and 301 

ES 404 Units: 1.5 Hours: 3-0 
Formerly: ES 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 400D taken in 1993-95. 

Prerequisites: 200 or 300A, and 301 

ES 412 Units: 1.5 Hours: 3-0 
Canada in Transition: Ecological Challenge and Societal Response 
A longer range approach to Canadian policy making must take into account the interdependence and continuous interaction of societal and ecological factors. A major purpose of this course will be to identify environmental and institutional problem areas likely to challenge Canadian society during the 1990s and into the next century, and to analyze their implications for public actions. 

Note: Credit will be granted for only one of 412, 400C if 400C taken prior to 1989-90. 

Prerequisites: 200 or 300A, and one of ES 301, 321 or 341 

ES 414 Units: 1.5 Hours: 3-0 
Systems Theory: An Introduction to Natural and Social Systems 
The purpose of this course is to enable each participant to grasp the fundamental principles of systems theory, and to provide a foundation for further exploration and application of systems concepts. The course will examine concepts such as cybernetics, holism, boundaries, 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 400D 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 400A 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 400D taken in 1990-92. 

Prerequisites: 200 or 300A, and 301 

ES 419 Units: 1.5 Hours: 3-0 
Formerly: LAW 328 
Societal Response 
Course listings 

2005-06 UVIC CALENDAR
### COURSE LISTINGS

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<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
<th>Hours:</th>
<th><strong>ES 421</strong></th>
<th>Units: 1.5</th>
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<tr>
<td></td>
<td>Ethnobotany: Plants and Human Culture</td>
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<td>Formerly: ES 416</td>
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<td>An introduction to the study of the relationship between plants and human cultures, with a focus on the indigenous peoples and environments of 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.</td>
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<td>Note: Credit will be granted for only one of 421, 416</td>
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<td>Prerequisites: ES 300A or 420 and ES 321</td>
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<td>Formerly: ES 353</td>
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<td></td>
<td>Traditional Systems of Land and Resource Management</td>
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<td>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.</td>
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<td>Note: Credit will be granted for only one of 423, 333, ER 326</td>
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<td></td>
<td>Ethnographic Methods in Environmental Research</td>
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<td>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 endeavours. Ethnographic exercises in the community are a course requirement.</td>
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<td>Prerequisites: For ES students: 200 or 300A, and one of 301 or 321. For ANTH students: ANTH 200 and third-year standing</td>
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<td>Cultural Ecology</td>
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<td>Theories concerning the relationship of human groups, culture and environment; cultural systems as the means by which human populations adapt to their environments.</td>
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<th><strong>ES 446</strong></th>
<th>Units: 1.5</th>
<th>Hours: 3-0</th>
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<td></td>
<td>Formerly: ES 426</td>
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<td></td>
<td>Sustainable Fisheries</td>
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<td>A practical examination of sustainable fisheries from a variety of interdisciplinarity 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.</td>
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<td>Note: Credit will be granted for only one of 446, 426, 400C if 400C taken in 1992-96</td>
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<td>Prerequisites: 200 or 300A, and one of 321 or 341</td>
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<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td></td>
<td>Formerly: ES 410</td>
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<tr>
<td></td>
<td>Environmental Impact Assessment</td>
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<td>An introduction to the objectives, philosophy, concepts, methods and social implications of environmental impact assessment (E.I.A.). A critical examination of the role of E.I.A. as an analytical tool in the context of resource management and public policy is undertaken.</td>
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<td>Note: Credit will be granted for only one of 461, 410, 400A if 400A taken prior to 1989-90</td>
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<td>Prerequisites: 200 or 300A, and one of 301, 321 or 341</td>
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<th>Code</th>
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<th>Units: 1.5</th>
<th>Hours: 3-0</th>
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<tbody>
<tr>
<td></td>
<td>Formerly: ES 432</td>
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<tr>
<td></td>
<td>Environmental Protection</td>
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<td>Note: Credit will be granted for only one of 462, 432, 400B if 400B taken in 1993-98</td>
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<td>Prerequisites: 200, 300A, and 341</td>
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<th>Code</th>
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<th>Units</th>
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<tr>
<td></td>
<td>Formerly: ES 350</td>
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<td></td>
<td>Field Study</td>
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<td>Supervised research or organized projects related to environmental problems, supplemented by directed individual study. A formal report is required.</td>
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<td>Note: May be repeated once for credit.</td>
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<td>Prerequisites: 200 or 300A, and one of 301, 321 or 341</td>
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<th>Code</th>
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<th>Units</th>
<th>Hours:</th>
<th><strong>ES 480</strong></th>
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<td></td>
<td>Formerly: 400A-D</td>
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<tr>
<td></td>
<td>Advanced Environmental Topics in Sustainable Communities</td>
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<td>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.</td>
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<td>Note: May be taken more than once for credit in different topics</td>
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<td>Prerequisites: 200 or 300A, and one of 301, 321 or 341</td>
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<th>Code</th>
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<th>Units</th>
<th>Hours:</th>
<th><strong>ES 481</strong></th>
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<tr>
<td></td>
<td>Advanced Environmental Topics in Ethnology</td>
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<td>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.</td>
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<td>Note: May be taken more than once for credit in different topics</td>
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<td>Prerequisites: 200 or 300A, and one of 301, 321 or 341</td>
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<tr>
<td></td>
<td>Advanced Environmental Topics in Ecological Restoration</td>
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<td>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.</td>
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<td>Note: May be taken more than once for credit in different topics</td>
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<td>Prerequisites: 200 or 300A, and one of 301, 321 or 341</td>
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<th>Code</th>
<th>Title</th>
<th>Units</th>
<th>Hours:</th>
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<th>Units: 1.5-3</th>
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<tbody>
<tr>
<td></td>
<td>Direct Studies</td>
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<td>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.</td>
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<td>Note: Restricted to Environmental Studies students. May be taken more than once for credit to a maximum of 3 credits.</td>
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<td>Prerequisites: 200 or 300A, fourth-year standing with a sessional grade point average of 6.5, and permission of the Director.</td>
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### EUS - European Studies

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<th>Units</th>
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<th>Units: 1.5</th>
<th>Hours: 3-0</th>
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<tr>
<td></td>
<td>European Integration: Socio-Economic and Political Developments</td>
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<td>This course provides 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.</td>
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<td>Note: May be taken more than once for credit on different topics with permission of the Director of European Studies</td>
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<th>Units</th>
<th>Hours:</th>
<th><strong>EUS 301</strong></th>
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<tbody>
<tr>
<td></td>
<td>Cultural and Intellectual Systems and Developments in Europe</td>
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<td>This course looks into critical aspects of European intellectual and cultural traditions both in a historic and contemporary perspective. It 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.</td>
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<td>Note: May be taken more than once for credit on different topics with permission of the Director of European Studies</td>
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### FA - Fine Arts

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<th>Code</th>
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<th>Units</th>
<th>Hours:</th>
<th><strong>FA</strong></th>
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<tr>
<td></td>
<td>Interdisciplinary Courses Faculty of Fine Arts</td>
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<td>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.</td>
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FA 225 Units: 3 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 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 290 Units: 1.5 or 3 Hours: 3-0
Fine Arts Studies Off Campus
An introductory course in the art or heritage of a city, region or culture. To be offered in the appropriate location; this course will be conducted under the direction of a faculty member from the Faculty of Fine Arts.
Note: May be taken more than once for credit in different topics and in different locations.

FA 300 Units: 1.5 or 3 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: As specified from year to year, or permission of the Course Director.

FA 305 Units: 1.5 or 3 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, fundamentals in management practice of the Arts.

FA 315 Units: 1.5 or 3 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 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 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.

FA 350 Units: 1.5 Hours: 3-0
Introduction to Architecture, Theory and Practice
This course will present architecture from an experiential perspective. Theory and some hands-on experience will supplement frequent field trips and occasional visits with practicing architects. This course would be useful preparation for students considering application to architecture schools.

FA 356 Units: 1.5 or 3 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 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 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. Students 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 368 Units: 1.5 or 3 Hours: 3-0
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: FA 365 and audition (usually held first day of class) or by permission and audition.

FA 370 Units: 1.5 or 3 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 390 Units: 1.5 or 3 Hours: 3-0
Fine Arts Studies Off Campus
An introductory course in the art or heritage of a city, region or culture. To be offered in the appropriate location; this course will be conducted under the direction of a faculty member from the Faculty of Fine Arts.
Note: May be taken more than once for credit in different topics and in different locations.
Prerequisites: As specified from year to year, or permission of the Course Director.

FA 399 Units: 1.5 or 3 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.

Course Offerings

FREN 100 Units: 3 Hours: 11-4
Introduction to French (Summer Session)
Intensive spoken and written French for beginners and near-beginners. Laboratory attendance is required.
Notes: - Credit will not be granted for only one of 102, 100 and any of 103, 102 or 105.
- Not open to students with French 11 or equivalent, in the last three years.
- Offered in Summer Session only, equivalent to 102 or 103 plus 105.

FREN 102 Units: 1.5 Hours: 3-3
Basic Communication for Beginners
Introduction to spoken and written French for beginners, using communicative methods. Laboratory attendance is required.
Notes: - Credit will be granted for only one of 102, 100 and 103.
- Not open for credit to students with French 10 in the last seven years, French 11 in the last 10 years, French 12 in the last 15 years, or one year of French immersion at any time.

FREN 103 Units: 1.5 Hours: 3-1
Basic Communication
Reintroduction to spoken and written French for near-beginners, using communicative methods. Attendance at laboratory is obligatory.
Notes: - Credit will be granted for only one of 103, 100 and 102.
- Not open for credit to students with French 11 in the last five years, French 12 in the last 10 years, or one year of French immersion at any time.

FREN 105 Units: 1.5 Hours: 3-2
Elementary French I
Instruction in written and oral French, including a review of basic grammar from the beginning. Regular oral practice and short written assignments. Laboratory attendance is required.
Notes: - Credit will be granted for only one of 105 and 100.
- Not open for credit to students with French 12 in the last seven years, or two years of French immersion at any time.

FREN 106 Units: 1.5 Hours: 3-2
Elementary French II
Instruction in written and oral French, including a review of past tenses. Regular oral practice and short written assignments. Laboratory attendance is required.
COURSE LISTINGS

Notes: - Credit will be granted for only one of 106 and 160.
- Not open for credit to students with French 12 in the last three years, or two years of French immersion at any time.
Prerequisites: 106 or French 11 or equivalent.

FREN 107 Units: 1.5 Hours: 3-1
Formerly: half of 160
Elementary French III
Instruction in written and oral French, including a review of the future and the conditional. Regular oral practice and short written assignments. Study of a short literary text. Laboratory attendance is required.
Notes: - Credit will be granted for only one of 107 and 160.
- Not open for credit to students with French 12 in the last three years, or two years of French immersion at any time.
Prerequisites: 106 or French 11 or equivalent.

FREN 150 Units: 1.5 Hours: 3-2
French Oral Practice
Develops listening comprehension and oral expression and introduces students to varied oral discourse.
Notes: - Credit will not be granted for 150 and either of 181 and 182.
- Not open for credit to students with three years of French immersion at any time.
- Enrollment limited.
Prerequisites: 107 or 160 or French 12 or equivalent.

FREN 155 Units: 1.5 Hours: 3-1
Formerly: parts of 181 and 182
Vocabulary
Expands vocabulary through the exploration of authentic oral and written texts, dictionaries and electronic resource materials.
Notes: - Not open for credit to students with 181, 182 or three years of French immersion at any time.
- Recommended to most students with French 12 who have never taken immersion before they take 175, 185 or 195.
Prerequisites: 107 or 160 or French 12 or equivalent.

FREN 156 Units: 1.5 Hours: 3-0
Contemporary Cultural Issues
Explores current issues of the Francophone world through film, the media, the Internet and other oral or written texts. Involves oral and written work.
Prerequisites: 107 or 160 or French 12 or Français 12.

FREN 161 Units: 1.5 Hours: 3-2
French For Elementary Teachers
Review of basic structures, pronunciation, vocabulary, and expressions, through use of a communicative/experiential approach, with an emphasis on oral expression. Use of thematic units based on the intermediate school curriculum. Detailed study of the language required by teachers for classroom management.
Notes: - Not open to students with Français 12, 155, 156, or 175 or higher, or an equivalent course. Open to teachers holding a BC teaching certificate, to students in the Faculty of Education, or others with permission of the Department.

FREN 175 Units: 1.5 Hours: 3-1
Formerly: parts of 181 and 182, or of 190
Intermediate Grammar Review
Review and systematization of intermediate grammatical concepts such as verb forms, agreement, personal pronouns, etc., through application and exercises.

FREN 185 Units: 1.5 Hours: 3-0
Introduction to French Linguistics
Introduction to the study of the French language, its nature and structure, as well as the analysis of language variation in standard and familiar contexts.
Prerequisites: 107, 160, Français 12, or French 12.

FREN 195 Units: 1.5 Hours: 3-0
Formerly: parts of 182, or of 190
Writing I
Practice writing short texts while reinforcing elements of basic grammar and vocabulary. A variety of writing styles will be used as models in and out of class.
Enrollment limited.
Note: Credit will be granted for only one of 195, 182, 190.
Prerequisites: 107, 160, Français 12, or French 12.

FREN 202A Units: 1.5 Hours: 3-0
Formerly: part of 202
Grammar I
Note: Credit will be granted for only one of 202A, 202.
Prerequisites: FREN 182, or 190, or one of 175 and 185 plus 195 with an average grade of C+ or higher, or Programme Cadre to Grade 12, or Français 12 and permission of the Department.

FREN 202B Units: 1.5 Hours: 3-0
Formerly: part of 202
Grammar II
Detailed analysis of the verb and verb groups. Complex sentences.
Note: Credit will be granted for only one of 202B, 202.
Prerequisites: 185 and 195 with an average grade of C+ or higher, or 202A.

FREN 220 Units: 1.5 Hours: 3-1
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 and 320. Enrollment limited.
Prerequisites: One of 175, 181, 182, 185, 190, 195.

FREN 262 Units: 1.5 Hours: 3-0
Culture of the French-Speaking Peoples
A study of culture in the French-speaking world, through texts from a variety of sources. The following topics will be offered on an alternating basis.
262A - Francophone Culture
262B - Quebec Culture
262C - French Culture
Note: Credit will be given for only two of 262A, 262B, and 262C
Prerequisites: One of 182 or 190; or 195 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; or Français 12 and permission of the Department.

FREN 286 Units: 1.5 Hours: 3-0
An Introduction to French Literature Before 1800
A study of a number of important texts in French literature from the late Middle Ages to the French Revolution, within their historical and cultural contexts. Introduction to literary analysis.
Note: Not open to students with credit in 285.
Prerequisites: One of 182 or 190; or 195 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; Français 12 and permission of the Department.

FREN 287 Units: 1.5 Hours: 3-0
An Introduction to French Literature Since 1800
A study of a number of important texts in French literature from the French Revolution to the contemporary period, within their historical and cultural contexts. Introduction to literary analysis.
Note: Not open to students with credit in 285.
Prerequisites: One of 182 or 190; or 195 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; Français 12 and permission of the Department.

FREN 288 Units: 1.5 Hours: 3-0
An Introduction to French Canadian Literature
A study of a number of important texts in French-Canadian Literature, within their historical and cultural contexts. Introduction to literary analysis.
Prerequisites: One of 182 or 190; or 195 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; Français 12 and permission of the Department.

FREN 295 Units: 1.5 Hours: 3-0
Writing II
The practice of writing in a variety of forms (such as compositions, book and film reviews, letters, creative writing), and the study of relevant models.
Note: Credit will be granted for only one of 295, 292.
Prerequisites: One of 182 or 190; or 185 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; Français 12 and permission of the Department.

FREN 299 Units: 0.5 Hours: 0-1
Grammar Requirement Examination
Grammar practice, followed by an examination, for students wishing to satisfy the prerequisite for 302A, and for students wishing to consolidate their knowledge of French grammar.
Prerequisites: One of 182 or 190; or 185 and one of 175 and 185 with a GPA of 3.0 or higher; or Programme Cadre to Grade 12; Français 12 and permission of the Department.
Grading: COM, N, or F

FREN 300 Units: 3 Hours: 3-0
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.
Note: Not open to students with credit in, or registered in, 175 or higher. Limited normally to students in third or fourth year or in graduate studies. Students with no previous French should take at least 102 before undertaking 300. Credit may be obtained for both 300 and any other FREN course.
Grading: COM, N, F

FREN 302A Units: 1.5 Hours: 3-0
Formerly: part of 302
Composition, Translation and Stylistics (A)
Frequent written exercises in vocabulary and grammar, translation, compositions.
Note: Credit will be granted for only one of 302A, 302.
Prerequisites: Departmental Language Requirement
Pre- or corequisites: Departmental Literature Requirement, or Honours program in French.

FREN 302B Units: 1.5 Hours: 3-0
Formerly: part of 302
Composition, Translation and Stylistics (B)
Frequent written exercises in vocabulary and grammar; translation, stylistic commentaries, compositions.
Prerequisites: Not open to students with credit in 302.
Prerequisites: 302A.

FREN 350 Units: 1.5 Hours: 4-0-2 Advanced Oral French
A practical course designed to increase oral proficiency in French and to develop comprehension of oral and written French.
Note: May be taken more than once for credit to a maximum of 3 units; only 1.5 units may be applied to a degree in French; 1.5 units are required for a concentration in French in the Faculty of Education. Enrollment limited.
Prerequisites: Departmental Language Requirement.
Pre- or corequisites: Departmental Literature Requirement, or third-year standing.

FREN 372 Units: 1.5 Hours: 3-0 French Morphology
Word formation and word markers, etymology, prefixes and suffixes, gender, number, person; grammatical categories.
Prerequisites: Departmental Language Requirement.
Pre- or corequisites: Departmental Literature Requirement.

FREN 374 Units: 1.5 Hours: 3-0 French Syntax and Semantics
Verbal and phrase constructions, the question of agreement; shifts in meaning; grammatical exceptions.
Prerequisites: Departmental Language Requirement.
Pre- or corequisites: Departmental Literature Requirement.

FREN 385 Units: 1.5 Hours: 3-0 The Francophone World in Africa and the Caribbean (in English)
The emergence of the Francophone world in Africa and the Caribbean, and the ways in which Francophone writers and filmmakers have depicted themselves.
Note: May not be counted towards a General, Major, or Honours program in French.
Prerequisites: Second-year standing.

FREN 386 Units: 1.5 Hours: 3-0 Love and Death in French Literature: the Middle Ages to 1789 (in English)
Major works in French literature from the Middle Ages to the Revolution in their social and historical contexts, including theatre, novels, and essays.
Note: May not be counted towards a General, Major, or Honours program in French.
Prerequisites: Second-year standing.

FREN 389 Units: 1.5 Hours: 2-2 Cinema (in English)
389A - French Cinema
From the start of the “talkies” to the Nouvelle Vague (1930-60); history of French cinema, major directors, French society as reflected in film.
389B - Québec Cinema
Québec society, past and present, as portrayed in Québec films from 1970 to the present.

389C - Special Studies in Cinema
Study of a special topic in the cinema of the Francophone world, as announced annually.

389D - African Cinema
A study of how African filmmakers, in the second half of the Twentieth Century, have depicted the impact of colonialism on their respective societies and dealt with the conflicts of the post-colonial era.
Note: Not open to students with 389C, 1994-1996.

389E - The Court of Louis XIV on Screen
Recent films set in the court of the Sun King. Life at Versailles; aspects of French society and culture of the period; implications of directors’ choices for learning about the Seventeenth Century.
Prerequisites: Departmental Language Requirement.
Pre- or corequisites: Departmental Literature Requirement, or Honours program in French.

FREN 390 Units: 1.5 Hours: 3-0 Critical Methods
Discovering meaning in literature; how to read a literary text. Practical introduction to various methods of analysing literary texts; a survey of modern literary theory (1950-1990).
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 402 Units: 1.5 Hours: 3-0 An Advanced Language Course in Modern French Usage
Focus on written expression through composition, textual analysis and commentary composed, with attention paid to both literary and informal usage.
Prerequisites: Departmental Language Requirement and 302B

FREN 420 Units: 1.5 Hours: 3-0 Advanced French Phonetics and Pronunciation
A continuation of 220, with advanced work in corrective phonetics, transcription, intonation and liaison. Also: regional and foreign accents, French phonology, combinatorial phonetics (coarticulation). May include the use of sound spectrograms and other instrumental readings. Oral practice, including spoken vs. literary styles, high speed reading, pronunciation of difficult and foreign words.
Note: Enrollment limited. Students interested in general phonetics and phonology should consult the Department of Linguistics.
Prerequisites: 220 and Departmental Literature Requirement.
Pre- or corequisites: 302A.

FREN 425A Units: 1.5 Hours: 3-0 History of Language and Civilisation: I
The evolution of the language from the 8th to the 15th Century, and the progressive recognition of French as a national language. Through the study of representative literatures 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.

FREN 425C Units: 1.5 Hours: 3-0 History of Language and Civilisation: III
The French language from the 15th to the 18th 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.
Prerequisites: 425A.

FREN 426 Units: 3 Hours: 3-0 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 English to French and from French to English.
Prerequisites: Departmental Language Requirement; a minimum grade of B in 302B; and the University English Requirement for undergraduates.

FREN 440 Units: 1.5 Hours: 3-0 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.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 441 Units: 1.5 Hours: 3-0 Medieval Arthurian Romance (in English)
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. Students enrolled in FREN 441 must submit all written assignments in French; students enrolled in MEDI 441 must submit all written assignments in English.
Notes: - Credit will be granted for only one of 441 and MEDI 441
- Students may count only one of 441, 389 and 487 towards a Major, Minor or General program in French.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 444 Units: 1.5 Hours: 3-0 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, sotties and comedies will be replaced in the context of religious holidays, Carnival or school plays.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 446 Units: 1.5 Hours: 3-0 French Poetry
446A - Renaissance
Through a selection of poems of 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.
446B - 17th Century
Poetry in the 17th century, including Malherbe, Saint-Amant, Theophile de Viau, Anne de La Vigne, La Fontaine, M.-C.H. de Villedegu, Boileau, and Jeanne-Marie Guyon. Some 18th century poetry may be included.
446D - Late 19th Century
COURSE LISTINGS

Poetry in France and Belgium from the post-romantic to the Symbolist periods. Grade based partly on a group research project.

446E - 20th Century
Important poetic works and trends from the early to late twentieth century, reflecting different aspects of French history and culture.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 448 Units: 1.5 Hours: 3-0
Renaissance Prosody
Love, betrayal, justice, humour and humanism: through a selection of short stories, chapters from novels and essays, students will discover the emergence of new ideas about the world and about the humanity of mankind.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 450A Units: 1.5 Hours: 3-0
Seventeenth-Century Culture I
The Age of Louis XIII and Richelieu. Male and female heroism. Marriage and family life as depicted in literary and non-literary texts such as court documents, conduct manuals and medical treatises.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 450B Units: 1.5 Hours: 3-0
Seventeenth-Century Culture II
Theatre, novel and social commentary in the age of Louis XIV. Texts will include selections from the works of Molière, Racine, Madame de Lafayette, Pascal, and La Rochefoucauld.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 451 Units: 1.5 Hours: 3-0
The Enlightenment
Principal literary works of the philosophes of the 18th century.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 452 Units: 1.5 Hours: 3-0
The Novel in the 17th and 18th Centuries
The development of the novel through a study of major texts, with emphasis on the 18th century.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 455B Units: 1.5 Hours: 3-0
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.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 460A Units: 1.5 Hours: 3-0
Formerly: Half of 460
The Novel in the 19th Century: I
The development of the novel in France from 1800 to 1850, including works by Stendhal and Balzac.
Note: Credit will be granted for only one of 460A, 460.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 460B Units: 1.5 Hours: 3-0
Formerly: Half of 460
The Novel in the 19th Century: II
The development of the novel in France from 1850 to 1900, including works by Flaubert and Zola.
Note: Credit will be granted for only one of 460B, 460.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 462 Units: 1.5, formerly 3 Hours: 3-0
The Novel in the 20th Century
462A - 1900-1930
Thematic and stylistic studies of important novels of the period, reflecting different aspects of French society.
Note: Credit will be granted for only one of 462A and 462B, (1990-1992)
462B - 1925-1955
The influence of surrealism and existentialism in prose writing. Note: Credit will be granted for only one of 462B and 462A, (1990-1992)
462C - 1950-present
The changing face of the novel from le nouveau roman to contemporary fiction. Note: Credit will be granted for only one of 462C and 462.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 466 Units: 1.5 Hours: 3-0
19th Century Theatre
Melodrama, the Romantic theatre, vaudeville and the Naturalist movement in theatre. Writers studied include Hugo, Musset, Dumas fils, Labiche and Becque. Emphasis on theatre as stereotyped representation of ideology.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 470 Units: 1.5 Hours: 3-0
20th Century French Theatre
The distinctive characteristics of modern theatre and of major theatrical movements; plays illustrating different themes and theatrical styles.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 477A Units: 1.5 Hours: 3-0
Formerly: part of 477
Contemporary Francophone African Novel
Note: Credit will be granted for only one of 477A, 477.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 477B Units: 1.5 Hours: 3-0
Formerly: part of 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 477B, 477.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 482 Units: 1.5 Hours: 3-0
Contemporary French-Canadian Novel
The French-Canadian novel in the second half of the 20th century, in particular la nouvelle écriture since 1960.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 484 Units: 1.5 Hours: 3-0
Contemporary French-Canadian Theatre
Study of the characteristic themes and structures of French-Canadian theatre since the Second World War.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 485 Units: 1.5 Hours: 3-0
French-Canadian Poetry
French-Canadian poetry from Emile Nelligan to the present. Emphasis on Alain Grandbois, St-Denys Garneau, Anne Hébert, Rina Lasnier, Gaston Miron, Roland Giguère, Michel Beaulieu, Nicole Brossard.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 487 Units: 1.5 Hours: 3-0
Also: ENGL 458
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. Students enrolled in FREN 487 must submit all written assignments in French.
Notes: - Credit will be given for only one of 487 and ENGL 458. - Students may count only one of 487, 389 or 441 towards a Major, Minor or General program in French (this restriction does not apply to the Combined Major in English and French (Canadian Literature)).
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.

FREN 488 Units: 1.5 Hours: 3-0
Special Topics
Designed for Major and Honours students, this course may be offered as a reading course, a tutorial, or a seminar or a course of lectures (as circumstances warrant).
Topics may be selected from the following:

488D - French-Canadian Literature Outside Québec
Literature of French-Canadian minorities in the Maritimes, Ontario and the West, with emphasis on the period from 1970 to the present.

488F - Women Writers
A look at the way Francophone women outside Québec have described the world.

488G - Studies in a Major Author or Movement
Intensive study of an important writer or movement.

488H - Children's Literature
Examination of the development and diversification of children’s literature since the 17th century, in both France and Québec.

488I - Studies in the Culture and Civilization of France, French Canada or la Francophonie
Occasional offerings dealing with a specific aspect of French-language civilization or culture.
Prerequisites: Departmental Language Requirement and Departmental Literature Requirement.
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<th>COURSE LISTINGS</th>
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<tr>
<td><strong>GEOG 499</strong> Units: 1.5</td>
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<tr>
<td>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).</td>
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<tr>
<th><strong>GEOG</strong> Geography</th>
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<tbody>
<tr>
<td><strong>Department of Geography</strong> Faculty of Social Sciences</td>
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</table>

**GEOG 101A** Units: 1.5 | Hours: 3-1 | Biophysical Systems and the Human Environment |
| An introduction to the functioning of the biosphere, the ways in which humans perceive and alter natural processes, and environmental consequences of these alterations. Topics include: energy flows, biogeochemical cycles, ecosystem structure and dynamics, and various aspects of resource management. |
| **Note:** Credit will be granted for only one of 101A, ES 101. A minimum grade of B- may be required in 101A before students can register in other Geography courses; check individual course descriptions for prerequisites. |

**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, cultural and economic landscapes, urbanization and industrialization of regions, and economic development and social change in the world system. |
| **Note:** A minimum grade of B- may be required in 101B before students can register in other Geography courses; check individual course descriptions for prerequisites. |

**GEOG 110** Units: 1.5 | Hours: 3-3 | Also: EOS 110 | Formerly: 216 and part of 213 | Introduction to the Earth System: I |
| The dynamic processes acting within the atmosphere, oceans and biosphere. The underlying principles of air-sea interactions, wind and current systems, weather patterns, global climate change, and the origin and structure of the ocean basins are explored. |
| **Notes:** Credit will be given for only one of GEOG/EOS 110, GEOG 213, 203B, or 216, EOS 350; credit will be given for only two of EOS 100, EOS 101, GEOG/EOS 110, GEOG/EOS 120. |
| A minimum grade of B- may be required in 120 before students can register in other Geography courses; check individual course descriptions for prerequisites. |

**GEOG 120** Units: 1.5 | Hours: 3-3 | Also: EOS 120 | Formerly: 217 and part of 213 | Introduction to the Earth System: II |
| Principal geological processes which shape the Earth, the relationships among the geosphere, hydrosphere and atmosphere, and the history of past life and environments. Nature of tectonic forces, earthquakes, volcanoes, rocks and minerals, mountain building and the evolution of continents. Processes of erosion, transport and deposition of sediments on land and under the ocean. Linkages between plate tectonics and natural hazards and resources are covered in the context of human development. |
| **Notes:** Credit will be given for only one of GEOG/EOS 120, 213, 203A, 217, EOS 370; credit will be given for only two of EOS 100, EOS 101, GEOG/EOS 110, GEOG/EOS 120. |
| A minimum grade of B- may be required in 120 before students can register in other GEOG/EOS courses; check individual course descriptions for prerequisites. |
| GEOG/EOS 110 and GEOG/EOS 120 do not need to be taken in sequence. |

**GEOG 211** Units: 1.5 | Hours: 3-1 | Formerly: 201A and 201B | Interpreting the Economic Landscape |
| This course examines 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 211 and 210A, 201B. |
| **Prerequisites:** Minimum grade of B- in 101B. |

**GEOG 214** Units: 1.5 | Hours: 2-2 | Global Environmental Change and Human Response |
| The changing global environment; causes, effects, and responses. The causes of global change, the present and expected impacts on natural and social systems, and response strategies that have been enacted and proposed will be studied. The course will be based on four components: global environmental change; sustainable development; biodiversity; population impoverishment and environmental degradations. |
| **Prerequisites:** Minimum grade of B- in 101A. |

**GEOG 222** Units: 1.5 | Hours: 3-2 | Map and Air Photo Interpretation |
| Introduces techniques that extract and map geographic data. Topics include: map and air photo interpretation, basic field surveying, and map representation. |
| **Note:** Open to students with credit in 202. A minimum grade of B- may be required in 222 before students can register in other Geography courses; check individual course descriptions for prerequisites. |
| **Prerequisites:** Minimum grade of B- in 3 units of 100- or 200-level Geography, or in 3 units of 100- or 200- level EOS. |

**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. |

**GEOG/EOS 228** Units: 1.5 | Hours: 2-3 | Digital Geometrics |
| Introduces the basics of digital geomatics including Geographic Information Systems (GIS) and Digital Remote Sensing. |
| **Note:** Minimum grade of B- may be required in 228 before students can register in other Geography courses; check individual course descriptions for prerequisites. |
| **Prerequisites:** Minimum grade of B- in 222; 1.5 units of CSC; 1.5 units of MATH. |

**GEOG 308** Units: 1.5 | Hours: 2-3 | 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 GIS and commercial geographic information software solutions. |
| **Note:** This course is intended for students with a general interest in the field of geomatics. This course does not qualify as a prerequisite for advanced Geography courses and cannot be counted as upper-level Geography in any of the BSc programs. |

**GEOG 319** Units: 1.5 | Hours: 3-3 | Physical Principles of Remote Sensing |
| 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:** Minimum grade of B- in 228; 1.5 units of CSC; 1.5 units of MATH. |

**GEOG 322** Units: 1.5 | Hours: 3-3 | 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:** Minimum grade of B- in 228; 1.5 units of CSC; 1.5 units of MATH. |

**GEOG 323** Units: 1.5 | Hours: 3-3 | 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. Students will be charged a laboratory fee. |
| **Prerequisites:** Minimum grade of B- in 228; 1.5 units of CSC; 1.5 units of MATH. |

**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. Logographic, nomothetic, quantitative, behavioural, applied radical, humanistic and recent
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<tr>
<th>COURSE LISTINGS</th>
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<tr>
<td><strong>GEOS 325</strong> Units: 1.5 Hours: 2-2</td>
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<tr>
<td><strong>Field Surveying</strong></td>
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<tr>
<td>An introduction to fundamental concepts of surveying and field work. This is an instrument-based course covering differential levelling, traversing, tacheometry, GPS and photogrammetry, and their applications to field work.</td>
</tr>
<tr>
<td><strong>Prerequisites:</strong> Minimum grade of B- in 222; 1.5 units of MATH.</td>
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<tr>
<td><strong>GEOS 326</strong> Units: 1.5 Hours: 2-2</td>
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<tr>
<td><strong>Special Topics in Geographic Data Analysis</strong></td>
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<tr>
<td>Course content will vary with instructor, but will include applications in multivariate analysis of geographic data and/or qualitative approaches to data collection and analysis.</td>
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<tr>
<td><strong>Note:</strong> Credit will be granted for only one of 326, 426.</td>
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<tr>
<td><strong>Geography of Economic and Cultural Change</strong></td>
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<tr>
<td>The course examines the fundamental differences in the organization between developed and developing countries. It includes the study of urban, social, political, and economic aspects of these countries, and the role of native peoples in their development.</td>
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<tr>
<td><strong>Prerequisites:</strong> Minimum grade of B- in 222; 1.5 units of MATH.</td>
</tr>
<tr>
<td><strong>Geography of Environment and Health</strong></td>
</tr>
<tr>
<td>Theories and methods involved in environmental health research from a medical geographical perspective. The course includes urban, social, political, and cultural aspects of environmental health.</td>
</tr>
<tr>
<td><strong>Prerequisites:</strong> Minimum grade of B- in 221.</td>
</tr>
<tr>
<td><strong>GEOS 347B</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td><strong>Geography of Third World Development</strong></td>
</tr>
<tr>
<td>Spatial aspects of the processes of modernization and development in Latin America, Africa, and Asia. Colonial and postcolonial developments are discussed in terms of economic, social and political geography, and resulting changes in both physical and cultural landscapes.</td>
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<tr>
<td><strong>Prerequisites:</strong> Minimum grade of B- in 347B, 347.</td>
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<tr>
<td><strong>Physical Climatology</strong></td>
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<tr>
<td>An introduction to environmental hydrology focusing on processes of water movement in the hydrologic cycle via precipitation, interception, evaporation, infiltration, surface runoff, streamflow, and groundwater flow. Measurement and analysis of these processes. Applied aspects and local examples will be discussed.</td>
</tr>
<tr>
<td><strong>Prerequisites:</strong> Minimum grade of B- in one of 120, 213, 217, or EOS 120.</td>
</tr>
<tr>
<td><strong>GEOS 357</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td><strong>Water Resources Management</strong></td>
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<tr>
<td>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 are handled are 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.</td>
</tr>
<tr>
<td><strong>Prerequisites:</strong> Minimum grade of B- in 214.</td>
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<tr>
<td><strong>GEOS 370</strong> Units: 1.5 Hours: 2-2</td>
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<tr>
<td><strong>Applied Climatology</strong></td>
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<tr>
<td>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.</td>
</tr>
<tr>
<td><strong>Prerequisites:</strong> Minimum grade of B- in one of 110, 213, 216, or EOS 110.</td>
</tr>
<tr>
<td><strong>GEOS 374</strong> Units: 1.5 Hours: 2-2</td>
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<tr>
<td><strong>Biogeography</strong></td>
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<tr>
<td>An analysis of the organization of biotic systems. Origins, dispersal, evolution, and limiting physical, biotic and cultural factors as they relate to present day distribution patterns and ecological relationships will be considered. Particular attention will be paid to: the nature of ecological relationships; the landscape patterns resulting from these relationships; the dynamic character of ecosystems; the impact of humans upon ecological processes and ecosystem character.</td>
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<td><strong>Prerequisites:</strong> Minimum grade of B- in one of 110, 213, 216, or EOS 110; BIOL 150A and 150B recommended.</td>
</tr>
</tbody>
</table>
GEOG 375 Units: 1.5 Hours: 3-0
Forest Resource Management
An examination of the geographical and ecological parameters of forest systems and the relationships of these parameters to actual and potential resource use. Major emphasis will be placed on the coastal forest resources of British Columbia, with comparisons drawn from Europe and United States examples. Topics include: forests as functioning ecological and management units, historical development and current changes in management policy and possible trends in future resource policies.
Prerequisites: Minimum grade of B- in 214.

GEOG 376 Units: 1.5 Hours: 2-2
Geomorphology I
Introduction to Earth surface processes and landforms. Fluvial, aeolian, coastal, glacial and periglacial environments. Stresses geomorphology as an applied science with emphasis on measurement and analysis of processes and landforms. Involves a field trip.
Prerequisites: Minimum grade of B- in one of 120, 213, 217, or EOS 120; 222 recommended.

GEOG 377 Units: 1.5 Hours: 2-2
Applied Geomorphology
A detailed examination of the social relevance of geomorphology, in which three areas receive emphasis: terrain analysis, terrain stability and natural hazards. Field trips and participation in a group research project are involved.
Prerequisites: Minimum grade of B- in one of 120, 213, 217, or EOS 120.

GEOG 379 Units: 1.5 Hours: 2-2
Pedology
An examination of soil genesis and distribution and of soil classification systems. Attention will focus on the interplay of biophysical factors and processes that influence soil development, on soil types and characteristics in different pedogenic regimes, and on selected aspects of soil management and conservation. The course will involve field work, basic laboratory analysis and completion of a research project.
Prerequisites: Minimum grade of B- in one of 110, 213, 216, or EOS 110.

GEOG 382 Units: 1.5 Hours: 3-0
Formerly: 367 and 467 and 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: 4.5 units of 100- or 200-level Geography; PACI 200A and 200B recommended.

GEOG 383 Units: 1.5 Hours: 3-0
Formerly: 364 and 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 1979, and provide an essential basis for appreciation of the transformation of China since 1949.
Note: Credit will be given for only one of GEOG/PACI 383, GEOG 384, 464A
Prerequisites: PACI 210 (or 200A and 200B); or 4.5 units of 100- or 200-level Geography

GEOG 384 Units: 1.5 Hours: 3-0
Geography of Japan
An introduction to the physical geography of Japan, human implications of the physical environment, resource-based industries and regional variations.
Note: Credit will be granted for only one of 384, 465. Open to students with credit in 365.
Prerequisites: 4.5 units of 100- or 200-level Geography.

GEOG 385 Units: 1.5 Hours: 3-0
Formerly: 378
Environmental Aesthetics
This course derives from the traditional concern of geomorphologists with the appearance, meaning, and value of landscape. Aesthetic satisfactions in natural, rural and built environments are considered. Following discussion of current environmental aesthetic theory, the varying approaches of contemporary practitioners in humanistic and applied geography, architecture and planning are investigated. The implications for managing environments are discussed.
Note: Credit will be granted for only one of 385, 378.
Prerequisites: 4.5 units of 100- or 200-level Geography.

GEOG 386 Units: 1.5 Hours: 3-0
Formerly: 348
World Political Geography
This course examines 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 387 Units: 1.5 Hours: 3-0
Formerly: 362 and 361A and 361B
Making of the Canadian Landscape
Canada's evolving geography is interpreted from a regional perspective by examining the changing rural and urban landscapes that give identity to the country.
Note: Credit will not be granted for 387 and 361A, 361B, 362.
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. Students are advised to consult the Department for an outline of the regions covered in any year.
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: 4.5 units of 100- or 200-level Geography.

GEOG 413 Units: 1.5 Hours: 2-3
Geo-visualization
Explores trends in computer graphics and animation as applicable to spatial data. Studies a variety of spatial graphics encoding formats and offers programming experience using a number of graphics programs that support spatial data visualization, including SVG. Topics covered include internet mapping, virtual environments, animation, and ubiquitous mapping.
Prerequisites: CSC 110, 115; GEOG 222, 228, 323
Pre-or corequisites: At least two of GEOG 319, 322, 328, 329

GEOG 414 Units: 1.5 Hours: 2-3
Implementing Corporate Spatial Databases
Explores the technological as well as jurisdictional and operational issues that must be considered when implementing corporate geomatics initiatives, including coverage of metadata standards and social, economic, strategic and security considerations that underlie spatial data sharing. Introduces corporate spatial database and data distribution/dissemination technologies; international, national and vendor specific spatial data standards initiatives; and national and provincial spatial data infrastructure initiatives.
Prerequisites: CSC 110, 212, 225, 360, 370; GEOG 222, 228; GEOG 328 or 329
Pre-or corequisites: At least one of GEOG 319, 322, 323

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 modeling and simulation, spatio-temporal analysis, exploratory spatial analysis and spatial data mining.
Prerequisites: MATH 102 and 151, or MATH 100 and 101; GEOG 222, 228, 326, 328
Pre-or corequisites: At least two of GEOG 319, 322, 328, 329

GEOG 420 Units: 1.5 Hours: 3-0
Field Studies in Geomatics
The science and practice of Geomatics is examined through field and laboratory techniques. Includes a week-long field camp where data capture and data processing techniques are employed leading to data in preparation for a project and report.
Prerequisites: 6 units of 319, 322, 323, 325, 328 and 329; permission of the instructor by March 15 of previous Winter Session.

GEOG 422 Units: 1.5 Hours: 2-2
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 425 Units: 1.5 Hours: 3-0
Survey Methods and Analysis in Geography
Examines various approaches to research design focusing on the statistical approach. The development of questionnaires and sample frames will be discussed followed by preliminary analysis of the research data using nonparametric statistical techniques.
Prerequisites: 226 or 321.

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 be
<table>
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<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Title</th>
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<tbody>
<tr>
<td>GEOG 431</td>
<td>1.5</td>
<td>3-0</td>
<td>Geography of Tourism</td>
</tr>
<tr>
<td>GEOG 440</td>
<td>1.5</td>
<td>3-0</td>
<td>Interpreting the Suburban Landscape</td>
</tr>
<tr>
<td>GEOG 441</td>
<td>1.5</td>
<td>3-0</td>
<td>The Design and Planning of Cities</td>
</tr>
<tr>
<td>GEOG 442</td>
<td>1.5</td>
<td>3-0</td>
<td>Also: PACI 442 Geography of Chinatowns and Chinese Migration</td>
</tr>
<tr>
<td>GEOG 444</td>
<td>1.5</td>
<td>3-0</td>
<td>Urban Transportation and Land Use Planning</td>
</tr>
<tr>
<td>GEOG 445</td>
<td>1.5</td>
<td>3-0</td>
<td>Social Planning and Community Development</td>
</tr>
<tr>
<td>GEOG 448</td>
<td>1.5</td>
<td>3-0</td>
<td>Urban Social Geography and Planning</td>
</tr>
<tr>
<td>GEOG 450</td>
<td>1.5</td>
<td>3-0</td>
<td>Decision Making in Resources Management</td>
</tr>
<tr>
<td>GEOG 453</td>
<td>1.5</td>
<td>3-0</td>
<td>Coastal and Marine Resources II</td>
</tr>
<tr>
<td>GEOG 455</td>
<td>1.5</td>
<td>3-0</td>
<td>Wildlife Resource Management</td>
</tr>
<tr>
<td>GEOG 460</td>
<td>1.5</td>
<td>3-0</td>
<td>Protected Areas: Management Challenges</td>
</tr>
<tr>
<td>GEOG 458</td>
<td>1.5</td>
<td>3-0</td>
<td>Marine Aquaculture: Social, Economic and Environmental Dimensions</td>
</tr>
<tr>
<td>GEOG 472</td>
<td>1.5</td>
<td>3-0</td>
<td>Disaster Planning</td>
</tr>
<tr>
<td>GEOG 473</td>
<td>1.5</td>
<td>3-0</td>
<td>Medical Geography</td>
</tr>
<tr>
<td>GEOG 474</td>
<td>1.5</td>
<td>3-0</td>
<td>Boundary Layer Climatology</td>
</tr>
<tr>
<td>GEOG 475</td>
<td>1.5</td>
<td>3-0</td>
<td>Field Studies in Physical Geography</td>
</tr>
</tbody>
</table>

**Note:** Credit will be granted for only one of 428, 442, 443, 332, or 329.

Credit will be granted for only one of 442, PACI 442, 340, 340A, 340B, 343, or 363.

Credit will be granted for only one of 450A and 450B.

Credit will be granted for only one of 450A, 450B, 350, 350A, 350B, or ES 316.

Credit will be granted for only one of 350, 350A, 350B, or ES 316.

Credit will be granted for only one of 450A, 450B, 350, 350A, 350B, 350C, or ES 316.

Credit will be granted for only one of 470A, 471C, 471D.

Credit will be granted for only one of 376 or 377.

Credit will be granted for only one of 471A, 471B, 471C, 471D.

Credit will be granted for only one of 476, 471C.

Credit will be granted for only one of 477, 471D.

Credit will be granted for only one of 478, 471C.

Credit will be granted for only one of 479, 471D.

Credit will be granted for only one of 477, 471A, 471B, 471D, 471C.

Credit will be granted for only one of 476, 471C.
GER 483 Units: 1.5 Hours: 3-0
Formerly: 468
Political and Economic Geography of China
This course consists of two parts. Part One examines the impacts of Western colonization on the economy of China, the search for new political and economic forms, and the structure of the Communist government. Part Two focuses on the economic policies and development of China after 1949, and a geographical study of selected administrative or economic regions.
Note: Credit will be granted for only one of 483, 365, 464B, PACI 483.
Prerequisites: 383 or PACI 319A or PACI 319B or PACI 383.

GER 485 Units: 1.5 Hours: 3-0
Formerly: 469
Landslides of the Heart
Grounded in humanistic geography and qualitative methods, this course investigates the meaningful non-tangible relationships between humankind and environment. These relationships include emotional attachment (to place), aesthetics (of landscape), ethics (of environment), and spirituality (sacred space).
Note: Credit will be granted for only one of 485, 469.
Prerequisites: 385 or permission of the instructor.

GER 490 Units: 1.5 or 3
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 at least a 6.00 GPA in the previous 15 units of university work.

GER 491 Units: 1.5 Hours: 3-0
Advanced Special 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 twice for credit in different topics.
Prerequisites: Minimum grade of B- in one of 101A, 101B, 110, 120, EOS 110, 120, and third-year standing.

GER 499 Units: 3 Hours: 3-0
Honours Seminar and Essay
It is recommended that honours students take the honours seminar in their third year. Honours students must register for the honours seminar and essay when admitted to the program. Students who register in their third year will receive a grade of INP until the essay is completed. The essay will be submitted at the end of the fourth year.
Grading: INP, letter grade
# COURSE LISTINGS

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  
The course 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours:</th>
<th>Formerly:</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERS 160</td>
<td>German Literature in English Translation</td>
<td>1.5</td>
<td>3-0</td>
<td>GER 180</td>
</tr>
<tr>
<td>GERS 254</td>
<td>Introduction to German Literature</td>
<td>1.5</td>
<td>3-0</td>
<td>GER 254</td>
</tr>
<tr>
<td>GERS 261</td>
<td>Modern Germany</td>
<td>1.5</td>
<td>3-0</td>
<td>GER 261</td>
</tr>
<tr>
<td>GERS 305*</td>
<td>Novelle and Short Story</td>
<td>1.5</td>
<td>3-0</td>
<td>GER 405, GER 405</td>
</tr>
</tbody>
</table>

## Germanic Studies

### Department of Germanic and Russian Studies

#### Faculty of Humanities

The following courses are open to all students: No knowledge of German is required.

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>GERS 160</td>
<td>Major Figures of German Culture</td>
<td>1.5</td>
<td>3-0</td>
<td>GER 160</td>
</tr>
<tr>
<td>GERS 306</td>
<td>German Drama</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: GER 305, GER 405, GER 405</td>
</tr>
<tr>
<td>GERS 308</td>
<td>Poetry</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: GER 308, GER 408</td>
</tr>
<tr>
<td>GERS 309</td>
<td>German Literature</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: GER 301</td>
</tr>
<tr>
<td>GERS 354*</td>
<td>Introduction to Twentieth Century Literature (Pre-1945)</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: GER 354, GER 426</td>
</tr>
<tr>
<td>GERS 356</td>
<td>A Short History of German Film</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: GER 354, GER 426</td>
</tr>
<tr>
<td>GERS 370*</td>
<td>Portraits of Women in German Literature from Medieval to Postmodern Times</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: GER 411, GER 411</td>
</tr>
<tr>
<td>GERS 405</td>
<td>Medieval German Literature</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: GER 411</td>
</tr>
<tr>
<td>GERS 408</td>
<td>Storm and Stress in Classicism: Revolution and Tradition</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: GER 416 and 418; GER 417</td>
</tr>
<tr>
<td>GERS 411</td>
<td>Romanticism</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: GER 422</td>
</tr>
<tr>
<td>GERS 420</td>
<td>Nineteenth Century: Realism</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: GER 423 and 425; GER 424</td>
</tr>
</tbody>
</table>

**Note:** Credit will be granted for only one of GERS 305, GERS 405, GERS 405. No knowledge of German is required.

**Note:** Credit will be granted for only one of GERS 306, GERS 405, GERS 405. No knowledge of German is required.

**Note:** Credit will be granted for only one of GERS 250, GERS 254.

**Note:** Credit will be granted for only one of GERS 354, GERS 354, GERS 426.

**Note:** Credit will be granted for only one of GERS 356, GERS 356, GERS 426.

**Note:** Credit will be granted for only one of GERS 370, GERS 405, GERS 405. No knowledge of German is required.

**Note:** Credit will be granted for only one of GERS 405, GERS 405, GERS 405.

**Note:** Credit will be granted for only one of GERS 306, GERS 360, GERS 360. No knowledge of German is required.

**Note:** Credit will be granted for only one of GERS 370, GERS 405, GERS 405. No knowledge of German is required.

**Note:** Credit will be granted for only one of GERS 411, GERS 411, GERS 411. May count towards a Double Major with Medieval Studies. No knowledge of German is required.

**Note:** Credit will be granted for only one of GERS 417, GERS 417, GERS 417. No knowledge of German is required.

**Note:** Credit will be granted for only one of GERS 420, GERS 420. No knowledge of German is required.

**Note:** Credit will be granted for only one of GERS 422, GERS 422. No knowledge of German is required.

**Note:** Credit will be granted for only one of GERS 424, GERS 424, GERS 424. No knowledge of German is required.

**Note:** Credit will be granted for only one of GERS 424, GERS 423, GERS 424, GERS 425. No knowledge of German is 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
“Overcoming The Past” in Film and Text

This course examines 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 GERS 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 433 and 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 GERS 436, GER 431, GER 435, GER 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. This course will consider film as both a narrative form and a means of reflecting social concerns.

Note: Credit will be granted for only one of GERS 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 GERS 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 judgement of his works.

Note: Credit will be granted for only one of GERS 441, GER 441. No knowledge of German required.

GER 442 Units: 1.5 Hours: 3-0
Formerly: GER 442
Hesse

A study of the major works of Hermann Hesse, including Siddhartha, Steppenwolf, and Narcissus and Goldmund.

Note: Credit will be granted for only one of GERS 442, GER 442. 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 GERS 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 GERS 444, GER 444. 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. This course will focus 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 literature and film, this course will follow 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 101 Units: 1.5 Hours: 4-0
Formerly: part of 100
Introductory Ancient Greek: I

A basic introduction to ancient Attic Greek. The course is 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: 4-0
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: 4-0
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: 4-0
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


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 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. The course will examine 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; select 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 epitapisms 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
Aeschylius
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.

GREE 409 Units: 1.5 Hours: 3-0
Formerly: 490C
Greek Epic
The course will examine 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 250, CLAS 250.

GREE 300 Units: 1.5 Hours: 3-0
Formerly: CLAS 300
Greek Epic
The course will examine 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.

GREE 301 Units: 1.5 Hours: 3-0
Formerly: CLAS 301 and CLAS 201
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 LATT.

GREE 100 Units: 3 Hours: 3-0
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, 5th century Athens, and Augustan Rome. Essays will be required and there will be a written examination.

GREE 306 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 and Roman Tragedy
The origins and developments of tragic drama in ancient Greece and Rome. The study of representa-
tive plays of Aeschylus, Sophocles, Euripides, and Seneca.
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 an-
cient Greece and Rome. The study of representative plays of Aristophanes, Menander, Plautus, and Ter-
ence.
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 differ-
et topics to a maximum of 3 units.
Prerequisites: 100 or 200, or permission of the instructor.

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 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 col-
lapse of Mycenaean, 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, inheri-
tance law, household management; slavery, agricult-
ure, 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 Med-
iterranean 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 the-
ory.
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 childbear-
ing 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.
Prerequisites: None; 341 recommended.

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 346 Units: 1.5 Hours: 3-0
Formerly: CLAS 346
Roman Law and Society
An introduction to Roman law in its social context.
Beginning with an outline of the sources and the historical development of Roman law, the course will
give detailed attention to such aspects of Roman
private law as the law of persons, property, marriage,
labour, slavery and commerce. The emphasis
throughout will be on the impact of law on Roman
social relations. Attention will also be given to trial
procedures in criminal cases, and the role of law in
Roman public life.
Note: Credit will be granted for only one of 346, CLAS 346.
Prerequisites: None; 341 recommended.

GRS 347 Units: 1.5 Hours: 3-0
Formerly: CLAS 347
Household and Family in the Greek and Roman World
A survey of the life-cycle in Greek and Roman antiq-
uity. Topics studied will include marriage, divorce,
child-rearing, old age, the way in which family and
households were conceptualized by Greeks and Romans, and the demography of the ancient world.
Prerequisites: None; 100 or 200 recommended.

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, de-
pending on the instructor. Topics include urban infra-
structure, private and public spaces, and literary depictions of the city.
Prerequisites: 100 or 200 or permission of the Department.

GRS 349 Units: 1.5 Hours: 3-0
Jews and Christians in the Roman World
The history of Jews and Christians around the Med-
iterranean 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 permission of the Department.

GRS 361 Units: 1.5 Hours: 3-0
Aegean Bronze Age and the World of Homer
Covers material culture from the eastern Mediter-
ranean, beginning with the Neolithic period and con-
tinuing 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 King-
dom 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, color, and move-
ment. 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 influ-
ence on Roman attitudes, Republican and Imperial
Roman art are discussed in the context of historical
events. Topics include the special character of Ro-
man art, Hellenized and Italic modes of expression,
portraiture, historical reliefs, function in art, architec-
tural 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 architec-
ture, 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 an-
cient literary sources.
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 376 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.
Pre-requisites: 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. The course will focus first on conventional religious rituals and their social value, and secondly 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 surrealism 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 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 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. It will look at 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 one 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.

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.

GrS 485 Units: 1.5  Hours: 2-0
Formerly: CLAS 485
Pro-Seminar
Members of the Department will collaborate in introducing the various sub-disciplines and methodologies of classical scholarship in the context, where appropriate, of their own research. This course is particularly recommended for third and fourth-year students considering a Major or Honours program in the Department; the course must be taken once by all Honours and MA students. The Departmental colloquia on Friday afternoons will form one component of the course requirements.

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 for more than one 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  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. Interested students should contact the Department during the Fall Term.
Prerequisites: Permission of the Department.

GrS 499 Units: 3  Hours: 3-3
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  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  Hours: 3-0
Formerly: H A 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 consid-
ered 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 210**
**Units:** 1.5  
**Hours:** 3-0  
**Art-Historical Methods and Approaches**  
An introduction to some of the theoretical, methodological and historiographical perspectives that inform current art-historical studies. This course is not aimed at developing specific research skills, but rather at understanding the nature and history of the discipline of History in Art.

**HA 221**
**Units:** 1.5  
**Hours:** 3-0  
**The Christian Tradition in Western Art and Architecture**  
This course will focus on 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, the course will cover 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  
**Introduction to Western Architecture**  
An introduction to the aims and methods of architectural history using case studies of monumental buildings 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 240**
**Units:** 1.5 or 3  
**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 BC to the seventh century AD. 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 nineteenth century.

**Note:** Credit will be granted for only one of 251, HIST 251.

**HA 260**
**Units:** 3  
**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. The course will survey such movements as Neoclassicism, Romanticism, Realism, Impressionism, Cubism, Fauvism, Expressionism, Constructivism, and Surrealism, and will treat the emergence of the American avant-garde around World War Two.

**HA 262**
**Units:** 1.5 or 3  
**Hours:** 3-0  
**Art by Women**  
A comprehensive study of women’s art through history. The course will include an examination of art forms traditionally associated with women, for example, tapestry, weaving, embroidery and pottery, as well as the art of individual women painters, sculptors, photographers and printmakers.

**HA 268**
**Units:** 1.5 or 3  
**Hours:** 3-0  
**Introduction to Canadian Art and Architecture**  
An introductory survey of 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 courses 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**  
This course introduces students to major religions and philosophies of China and Japan by exploring how values and beliefs were conveyed in the art. It is not a chronological survey of Chinese and Japanese art.

**HA 280**
**Units:** 1.5 or 3  
**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 the following: 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. The course examines artistic expression from the earliest known art works to the present. It 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  
**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.

**Topic:** Painting and Society in Nineteenth Century Paris

**Note:** Credit will be granted for only one of 330A, 330. Normally to be offered in alternate years with 333 A, B.

**HA 295**
**Units:** 3  
**Hours:** 3-1  
**Introduction to Film Studies**  
An investigation of film culture and its relationship to social and historical contexts. This course 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. This course involves a 3 hour lecture/screening and a one hour tutorial a week.

**Note:** Not open to History in Art Majors or Honours students in their fourth year.

**HA 312**
**Units:** 1.5  
**Hours:** 4-0  
**Feminism and Film**  
This course 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 3rd century A.D. to the onset of Iconoclasm in the 8th 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, theological and liturgical.

**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 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 ca. A.D. 600-1150. 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 ca. 1140 to the beginnings of Renaissance art in Florence ca. 1400. The course will focus 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.

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**2005-06 UVIC CALENDAR**
COURSE LISTINGS

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 twentieth. 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, 330A.

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 films will be used as source materials and basis for discussion.

Note: Credit will be granted for only one of 333A, 333.

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 twentieth 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 films will be used as source materials and basis for discussion.

Note: Credit will be granted for only one of 333B, 333A.

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 18th century to the present. The course will examine material relating to Western colonial 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 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 341B
Units: 1.5
Hours: 3-0

The 16th Century in Italy

The art and architecture of Italy during the 16th century. The works and careers of High Renaissance masters such as Leonardo da Vinci, Raphael, Titian and Michelangelo will be studied, along with thematic issues relating to the development and interpretation of Italian art up to ca. 1580.

Note: Credit will be granted for only one of 341B, 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 18th 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 349
Units: 1.5
Hours: 3-0

Islam and the West: Artistic Contacts, 1500-1900

This course examines the different modes of artistic contact between the Islamic world and the West from the sixteenth to the end of the nineteenth century. The developing artistic dialogue will be examined in the context of the political and cultural history of this period. The course will trace 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 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 7th-century rise of Islam to the end of the 9th century. The course will investigate 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. The course will focus 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 Christendom 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 art and architecture of Pharaonic Egypt from 3200 BC to the beginning of the Christian era. Through the examination of artifacts, monuments, and texts, the course will investigate the influence of social and religious thought upon Egyptian art.

HA 357
Units: 1.5
Hours: 3-0
Formerly: half of 353

Amirades 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 sultans 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
Introduction to History in Cinema

Experimental Film

Today

Islamic Art from the Mongol Conquests to the Dawn of the Modern Period

This course surveys the art and architecture of the Central Islamic land in the period from the mid-13th until the end of the 18th 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.

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.

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 Post-modernism. Singled out for investigation will be such areas as Abstract Expressionism, Minimalism, Pop Art, Conceptual and performance art, environmental art, and photo-based practices.

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, Surrealism, Abstract Expressionism, and Conceptual Art.

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, Rieffenthal, Wiseman, National Film Board.

Experimental Film

This course looks at film as art. It 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.

Introduction to History in Cinema

A general introduction to film as an art form of world importance. Film will be considered historically as a product of time and place as well as a medium influencing many aspects of our lives. There will be consideration of genres, directors' styles, of technical aspects, and of the relationship of film to other media.

History in Cinema

This course examines the 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.

History of Early Canadian Art

A history of the visual arts, especially painting and sculpture, from the end of World War One to the 1970s. The course will begin with a brief consideration of the background in 17th and early 18th art, especially of Quebec, and end with the rise of the Group of Seven and their contemporaries.

History of Twentieth Century Canadian Art

A history of the visual arts, especially painting and sculpture, from the end of World War One to the 1970s. The course will begin with a brief consideration of the background in 17th and early 18th art, especially of Quebec, and end with the rise of the Group of Seven and their contemporaries.

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.

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.

Later Chinese Art: Part I

An introductory survey of Chinese art covering the period of the Five Dynasties, Sung, and Yuan dynasties (10th-14th c). The emphasis is on the various ways the educated elite influenced the arts and key artistic traditions that inspired later artists and patrons.

Later Chinese Art: Part II

An introductory survey of Chinese art covering the late imperial and modern periods (15th-20th c.). Top-
COURSE LISTINGS

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: HA 284, or HA 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  
**European and North American Architecture, 1750 to 1900**
A survey of key figures and movements in Western architecture from the beginning of classicalism 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, 387B, 223 would be helpful preparation for this course.

HA 387B  Units: 1.5  Hours: 3-0  
**Twentieth-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 "post-modernism" in the 1970s.

Note: Credit will be granted for only one of 387A, 387B.

HA 392  Units: 1.5 or 3  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 the permission of the Chair of the Department, to a maximum of 6 units. Pro forma.

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.

Prerequisites: Fourth-year standing and one of the following: HA 340A, HA 340B, HA 341A, HA 341B, HA 342A, HA 342B, HA 343A, HA 343B, HA 344. Will be taught together with a HA graduate seminar.

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.


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.

Note: May be taken more than once for credit in different topics.

Prerequisites: Fourth-year standing and one of the following courses: HA 321, HA 323, HA 326, HA 328, HIST 238, or any 3rd or 4th-year course in MEDI. Will be taught together with a HA graduate seminar.

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.

Note: May be taken more than once for credit in different topics.

Prerequisites: Fourth-year standing and one of the following courses: HA 230, HA 330A, HA 330B, HA 333A, HA 333B, HA 337. Will be taught together with a HA graduate seminar.

HA 432  Units: 1.5  Hours: 3-0  
**Advanced Seminar: Images of and by Women in South Asian Art**
An examination of two interrelated spheres of artistic images as they relate to ideas about women, self, creativity, society and the cosmos. From select areas of South Asia, depictions of women in classical, elite, folk and modern art, dominated by male artists, will be examined and compared to artistic images created by women. Literature, performance and film will be used as supplementary material.

Prerequisites: Fourth-year standing and one of the following courses: HA 230, HA 330A, HA 330B, HA 333A, HA 333B, HA 337. Will be taught together with a HA graduate seminar.

HA 445  Units: 1.5  Hours: 3-0  
**Advanced Seminar in Renaissance Art**
An intensive study of a selected aspect of Renaissance art.

Note: May be taken more than once for credit in different topics.

Prerequisites: Fourth-year standing and one of the following courses: HA 340A, HA 340B, HA 341A, HA 341B, HA 344. Will be taught together with a HA graduate seminar.

HA 447  Units: 1.5  Hours: 3-0  
**Advanced Seminar in Baroque and 18th Century Art**
An intensive study of a selected aspect of Baroque or 18th century art. Enrollment will be limited to permit a seminar format.

Note: May be taken more than once for credit in different topics.

Prerequisites: Fourth-year standing and one of the following courses: HA 340A, HA 340B, HA 341A, HA 341B, HA 342A, HA 342B, HA 343A, HA 343B, HA 344, HIST 360, HIST 361, HIST 362. Will be taught together with a HA graduate seminar.

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.

Note: May be taken more than once for credit in different topics.

Prerequisites: Fourth-year standing and one of the following courses: HA 251, HA 321, HA 323, HA 352, HA 354, HA 357, HA 358, HA 359, HIST 455, MEDI 301, MEDI 302. Will be taught together with a HA graduate seminar.

HA 460  Units: 1.5 or 3  Hours: 3-0  
**Topics and Issues 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.

Prerequisites: Fourth-year standing and one of the following courses: HA 336, HA 362A, HA 362B, HA 363, HA 368B, HA 369, HA 387A, HA 387B, HA 384. Will be taught together with a HA graduate seminar.

HA 462  Units: 1.5  Hours: 3-0  
**Art and Revolution**
Examines the role of the artist (mainly through painting and graphics) in the major social and political revolution of modern times. Major emphasis on the French, Russian, and Chinese revolutions but some consideration of political art in other revolutions and movements of social protest.

Note: Credit will be granted for only one of 462, HIST 462.

Prerequisites: Fourth-year standing and one of the following courses: HA 336, HA 362A, HA 362B, HA 363, HA 368B, HA 369, HA 387A, HA 387B, HA 384. Will be taught together with a HA graduate seminar.

HA 463  Units: 1.5 or 3  Hours: 3-0  
**Topics and Issues in Political Art**
Studies in political art, that is, art which directly refers to social and political issues, rather than the question of the social background and function of art in general. Although the specific periods and topics covered vary, each seminar examines issues of the artists' social or political role, and manipulation of the arts, art as instrument for and expression of social change.

Prerequisites: Fourth-year standing and one of the following courses: HA 336, HA 362A, HA 362B, HA 363, HA 368B, HA 369, HA 387A, HA 387B, HA 384. Will be taught together with a HA graduate seminar.

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 Two. Cultural area may vary depending on the instructor.

Prerequisites: Fourth-year standing and one of the following courses: HA 336, HA 362A, HA 362B, HA 363, HA 368B, HA 369, HA 387A, HA 387B, HA 384. Will be taught together with a HA graduate seminar.

HA 465  Units: 1.5  Hours: 3-0  
**Special Studies 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.
HA 482 Units: 1.5 or 3 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.
Prerequisites: Fourth-year standing and one of the following courses: HA 387A, HA 387B, HA 223. Will be taught together with a HA graduate seminar.

Note: May be taken more than once for credit in different topics.

HA 487A Units: 1.5 Hours: 3-0
Principles and Practices in the Management of Heritage Resources
An intensive study of the nature and value of heritage resources worldwide, and of management approaches that support their preservation and presentation. Topics include identification of heritage value and significance, inventory and documentation of heritage resources, organizational and legal frame-works for conservation, planning for conservation, heritage area revitalization strategies, and cultural tourism.
Note: Credit will be granted for only one of 487A, 487B.

HA 487B Units: 1.5 Hours: 3-0
Principles and Practices in the Conservation of Heritage Resources
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, levels of intervention including preservation, restoration, rehabilitation and reconstitution, and the conservation process. Case studies and field trips are used to illustrate key topics.
Note: Credit will be granted for only one of 487B, 487C.

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 488G offered either as a distance education or on-campus immersion format.
Note: The 2005-06 fee for this course is $550.00.

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 nonprofit 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: The 2005-06 fee for this course is $550.00.

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.
- The 2005-06 fee for this course is $550.00.

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 the role of the exhibition in either a distance education or on-campus immersion format.
Note: The 2005-06 fee for this course is $550.00.

HA 488D Units: 1.5 Hours: 3-0
Caring for Museum Collections
An examination of the physical characteristics of various types of museum collections, the ways in which they are affected by a range of factors in their physical and social environments, and the risk-
HA 488G Units: 1.5  Hours: 3-0
Public Programming
The course examines the fundamental role of educa-
tion, interpretation and public programming in muse-
ums, 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 evalua-
tion 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.
   - The 2005-06 fee for this course is $550.00.

HA 488H Units: 1.5  Hours: 3-0
Topics in Museum Studies
This course will involve intensive study of some spe-
cial aspect or area of museum studies. Content may
vary each year.
Notes:  - May be taken more than once for credit
depending on circumstances.
   - The 2005-06 fee for this course is $550.00.

HA 488I Units: 1.5  Hours: 3-0
Curatorship
This course examines the core curatorial concepts of
collections planning, management, research, analy-
sis, 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, curator-
ial collaborations, and the communication of research
through exhibitions, public programming, and print
electronic media.
Notes:  - Depending upon the instructor and content
focus, this course may be taken more than once.
   - The 2005-06 fee for this course is $550.00.

HA 488K Units: 1.5  Hours: 3-0
Exhibition Design and Installation
An examination of the exhibition design process with a special focus on museological elements which are considered in the creation of effec-
tive exhibitions. Topics include the roles of exhibitions; communicating with the visitor; roles of the object;
conservation considerations; visitor flow; lighting; colour; storytelling; project planning and management;
temporary and travelling exhibits; showcase arrange-
ments; production scheduling, installation, and main-
tenance. Field work, study visits, and the develop-
ment of a scale model are featured.
Note:  The 2005-06 fee for this course is $550.00.

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 finan-
cial context in which cultural organizations are man-
gaged. 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; organi-
zational structures and management models; legal
and ethical issues; and multicultural and First Nations
issues.
Note:  The 2005-06 fee for this course is $550.00.

HA 488M Units: 1.5  Hours: 3-0
Topics in Cultural Management
This course will involve intensive study in some spec-
cial aspect or area of cultural management. Content
may vary each year.
Notes:  - May be taken more than once for credit
depending on circumstances.
   - The 2005-06 fee for this course is $550.00.

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. This course explores the dimen-
sions, value, and potential uses of museum informa-
tion, and focuses on strategic integration and man-
gagement approaches that utilize computer and Web-
based information systems to organize, process, and
access information for collections management, cura-
torial, research, programming, and administrative
purposes.
Notes:  - This course is offered both on-campus and in
distance education format.
   - The 2005-06 fee for this course is $550.00.

HA 488P Units: 1.5  Hours: 3-0
Human Resource Management in Cultural
Organizations
This course provides 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 inte-
grated, planned approaches to human resource de-
velopment. Topics include organizational dynamics;
leadership and decision-making; board/staff relations;
policy development; position descriptions; recruit-
ment; performance planning; communications; legal
considerations; and ethics and professionalism.
Note:  The 2005-06 fee for this course is $550.00.

HA 488Q Units: 1.5  Hours: 3-0
Financial Management in Cultural
Organizations
This course examines the complex factors which affect the financial management and stability of cul-
tural organizations, with particular emphasis on mu-
seums and heritage agencies. Topics include the
changing funding environment; characteristics of non-
profit agencies; strategic, operational and business
planning; budgeting and accounting systems; fore-
casting; fundraising; grantmanship and revenue
development; managing capital projects; and legal
and ethical considerations.
Note:  The 2005-06 fee for this course is $550.00.

HA 488R Units: 1.5  Hours: 3-0
Planning for Cultural Resource Management
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 and her-
tage sectors. Content may address specialized as-
pects of planning.
Notes:  - May be taken more than once for credit in dif-
erent topics.
   - The 2005-06 fee for this course is $550.00.

HA 488S Units: 1.5
Building Community Relationships
Strong, sustained and mutually beneficial relations-
ships with communities are critical to museums, her-
tage agencies and cultural organizations that seek
relevant, positive and socially responsible roles in
society. This course explores the complex factors that
are reshaping relationships with communities and
addresses methods of defining community character-
istics and needs; potential community roles and rela-
tionships with cultural organizations; and strategies
for creating and maintaining relationships with di-
verse groups.
Note:  The 2005-06 fee for this course is $550.00.

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 489J is offered in
either an on-campus immersion format or by dis-
tance education.
Note:  The 2005-06 fee for this course is $550.00.

HA 489A Units: 1.5  Hours: 3-0
Heritage Area Conservation
Topics in the conservation and rehabilitation of his-
toric urban and rural areas. The historical, aesthetic,
economic, social, and legal aspects of heritage area
planning will be considered. Case histories and plan-
ning 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.
   - The 2005-06 fee for this course is $550.00.

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 inven-
tory 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:  The 2005-06 fee for this course is $550.00.

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 his-
tory, pathology, preservation and repair of selected
materials (wood, masonry, brick, plasterwork, metal-
work, chromomorphy). Laboratory sessions on the
examination and analysis of materials will be con-
ducted.
Notes:  - Depending on the instructor and content
focus, and with permission of the Department, this
course may be taken more than once.
   - The 2005-06 fee for this course is $550.00.

HA 489E Units: 1.5  Hours: 3-0
Topics in Architectural Conservation
This course will involve intensive study of some spe-
cial aspect or area of architectural conservation.
Content may vary each year.
Notes:  - May be taken more than once for credit
depending on circumstances.
   - The 2005-06 fee for this course is $550.00.

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 materi-
als which give them their special character. This
course examines building styles and structural ele-
ments encountered in historic wood and masonry
buildings, and the research, investigation and record-
ing techniques used to plan, organize and document
the conservation process. Approaches to preserva-
tion and adaptation, upgrading to contemporary
building and seismic standards, and maintenance
planning are covered. Case studies and field work are featured.

**Note:** The 2005-06 fee for this course is $550.00.

**HA 489C** Units: 1.5 Hours: 3-0

**Heritage Landscapes**

Culturally modified landscapes are important heritage resources, both in their own right and as a context for heritage structures. This course explores the range and characteristics of heritage 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; public participation, cultural legislation, easements, registration, and funding. Field work is featured.

**Note:** The 2005-06 fee for this course is $550.00.

**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. This course 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:** The 2005-06 fee for this course is $550.00.

**HA 489I** 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.

**Notes:** - This course is normally offered in distance education format.
- The 2005-06 fee for this course is $550.00.

**HA 489K** Units: 1.5

**Conservation in Context**

This course 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:** The 2005-06 fee for this course is $550.00.

**HA 490** Units: 1.5 or 3

**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, honours and diploma program students only. Pro forma.

**HA 491** Units: 3 Hours: 3-0

**Internship**

Available to students in the Diploma Program in Cultural Resource Management only.

Grading: INP, COM, N or P

**HA 492** Units: 1.5 or 3 Hours: 3-0

**Advanced Studies in Visiting 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 499** Units: 1.5, formerly 3 Hours: 3-0

**Honours Seminar**

This course is intended to instruct fourth year honours students in problems and methodology of advanced research.

**HINF**

**Health Information Science**

**School of Health Information Science**

**Faculty of Human and Social Development**

**HINF 140** Units: 1.5 Hours: 3-0

Formerly: HINF 240

**The Governance and Structure of 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. This course provides an examination of the principles of health care governance at the local, provincial, national and international levels. The content 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 172** Units: 1.5 Hours: 3-3

**Introduction to Health Informatics Applications**

Health information systems are comprised of computer programs generated using a variety of data manipulation and management techniques. The course will cover 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, and health information networks will be addressed.

**Corequisites:** CSC 110

**HINF 200** Units: 1.5 Hours: 3-0

Formerly: HINF 300

**Principles of Health Database Design**

This course addresses the issues facing a database designer in the development of database applications appropriate for health data of various kinds. The content 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.

**Prerequisites:** 172 and either MATH 151 or MATH 122.

**HINF 201** Units: 1.5 Hours: 0-3

Formerly: HINF 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 Director.

**HINF 230** Units: 1.5 Hours: 3-2

**Organizational Behaviour and Change Management**

This course covers 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.

**Prerequisites:** 140

**HINF 265** Units: 1.5 Hours: 3-2

**Health Care Delivery and Organizational Models**

This course is 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, and integrated delivery system models.

**Prerequisites:** 140

**HINF 280** Units: 1.5 Formerly: 180

**Biomedical Fundamentals**

This course provides 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 including bioinformatics are discussed.

**Note:** Credit will be granted for only one of 280, 180.

**Corequisites:** 140

**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 project management and the project life cycle. Topics include: project charters, network diagramming, scope management, stakeholder identification, cost management, scheduling and schedule management.

**Prerequisites:** 230
HINF 335 Units: 1.5 Hours: 3-0
Health Information Technologies and Standards
A study of current and future technologies used in health care as well as the standards which exist and are emerging. Topics include: emerging medical technologies, bar coding and RFID, PDAs and wireless technologies, telehealth, bioinformatics, smartcards, voice and handwriting recognition technologies, and standards such as HL-7, DICOM, ICD 10, LOINC.
Prerequisites: 265

HINF 345 Units: 1.5 Hours: 3-2
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 information systems in varying sectors of the health care delivery system.
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
This course addresses human aspects of health informatics. It 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.
Prerequisites: 230

HINF 351 Units: 1.5 Hours: 3-0
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 complexities 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 infectious diseases, population health, health promotion and disease prevention issues.
Note: Credit will be granted for only one of 381, 380.
Prerequisites: 265

HINF 410 Units: 1.5 Hours: 3-0
Information Management and Technology
This course 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. In doing so, it 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: 351.

HINF 420 Units: 1.5 Hours: 3-0
Ethical and Social Impacts of Technology
Exposes students to issues regarding the societal and ethical implications of technology. Topics include: professional code of conduct standards, computerization and the quality of work life, privacy protection and its legal implications, the role of ethics in the hospital setting and how to apply Canadian health care organizations. In doing so, it 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: 351.

HINF 450 Units: 1.5 Hours: 3-3
Health Information System Design
Provides thorough coverage of the specific requirements of the development of contemporary and future information systems in health care. To this end, the course covers the technical principles underlying such systems. On this basis 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 and 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 web sites, changing the relationship between consumers and providers, and ergonomics.

HINF 490 Units: 1.5 or 3
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.

HINF 491 Units: 1.5 Hours: 3-0
Topics in Health Informatics
This course 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. In doing so, it 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: 351.

HIST History
Department of History
Faculty of Humanities

HIST 105 Units: 3 Hours: 3-0
Formerly: 242
Introduction to 20th Century World History
This is 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 130 Units: 3 Hours: 3-0
Formerly: 230
History of Canada
A survey of Canadian development from the beginning of the French regime to the present. This course is strongly recommended to students wishing to take advanced courses in Canadian history.
Note: Credit will be granted for only one of 130, 131, 132, 230, 231, 232.

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 205 Units: 1.5 or 3 Hours: 3-0
Introduction to History
An introduction to methods and approaches used by various schools of historical analysis in attempting to understand the nature of political, cultural, social and economic history. Particular subject varies at the discretion of the instructor.
Note: May not be taken more than once for credit.
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<tr>
<th>Course Code</th>
<th>Units</th>
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<tbody>
<tr>
<td>HIST 210</td>
<td>3</td>
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<tr>
<td>History of the United States</td>
<td>A general survey of the history of the United States of America from the colonial period to the present. Note: 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.</td>
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<tr>
<td>HIST 220</td>
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<tr>
<td>History of England</td>
<td>History 220 is designed as a course for those who wish some acquaintance with the broad sweep of British history since the Norman Conquest. Note: Strongly recommended for students wishing to take advanced courses in British history.</td>
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<tr>
<td>HIST 236</td>
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<tr>
<td>Medieval Europe</td>
<td>Survey of the middle ages in western Europe from about A.D. 300 to 1500, 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.</td>
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<tr>
<td>HIST 240</td>
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<tr>
<td>History of Modern Europe</td>
<td>After providing a brief background in medieval institutions, this course surveys European history from the Renaissance to the mid-20th century. The lectures will focus on political, intellectual, cultural, and social aspects of European society and the modern state as it emerges in the contemporary world.</td>
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<tr>
<td>HIST 245</td>
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<tr>
<td>The Second World War</td>
<td>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.</td>
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<tr>
<td>HIST 253</td>
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<tr>
<td>Formerly: half of 252 Introduction to Chinese Civilization Before 1840</td>
<td>An introduction to the political, intellectual and socioeconomic 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.</td>
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<tr>
<td>HIST 254</td>
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<tr>
<td>Introduction to Chinese History Since 1840</td>
<td>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.</td>
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<tr>
<td>HIST 255</td>
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<tr>
<td>Formerly: half of 252 The Origins of Modern Japan</td>
<td>Examines Japan’s transition from bureaucratic feudalism to capitalism in the 19th century. It will include a survey of ancient and medieval society as background and then delve 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.</td>
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<td>HIST 256</td>
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<tr>
<td>Japan in the 20th Century</td>
<td>Examines Japan’s political evolution in the 20th century including the emergence of liberal democratic trends, the triumph of militarism and corporatism in the 1990s, 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.</td>
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<tr>
<td>HIST 257</td>
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<tr>
<td>Introduction to the Civilization of India</td>
<td>Introductory study of India’s traditional civilization from earliest times to the present. Topics include religious, social, intellectual, and cultural history. Note: Credit will be granted for only one of 257, 205 (F01 or S01 1992-93).</td>
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<td>HIST 259</td>
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<tr>
<td>Introduction to African History</td>
<td>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).</td>
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<tr>
<td>HIST 260</td>
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<tr>
<td>History of Science</td>
<td>A general survey of some of the major developments of Western science from antiquity to the early twentieth 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.</td>
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<tr>
<td>HIST 261</td>
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<tr>
<td>History of Technology</td>
<td>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.</td>
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<tbody>
<tr>
<td>HIST 265</td>
<td>1.5</td>
<td>3-0</td>
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<tr>
<td>Special Topics in History</td>
<td>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.</td>
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<tr>
<td>HIST 265A</td>
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<tr>
<td>History of Co-operatives</td>
<td>An examination of the origins of co-operative thought and movements in eighteenth-century Europe, and their subsequent development worldwide, particularly in the twentieth century. Note: Credit will be granted for only one of 265A, 468 (if taken in the same topic).</td>
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<tr>
<td>HIST 301</td>
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<tr>
<td>The United States in the 19th Century</td>
<td>A study of the social, political, cultural, and economic development of the United States in the period from the framing of the Constitution to the Spanish-American war, with particular concentration on certain significant themes. Note: Open to students with credit in 210.</td>
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<td>HIST 304</td>
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<tr>
<td>The United States in the 20th Century</td>
<td>An intensive study of American political, economic, and social history from the late 19th century to the present. Various major themes will be examined: industrialization, the growth of corporate power, urbanization, racial and ethnic relations, cultural change, and liberal reform. Particular attention will be devoted to the economic, social, and cultural determination of American political history. Note: Open to students with credit in 210.</td>
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<tr>
<td>HIST 310</td>
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<td>3-0</td>
</tr>
<tr>
<td>The American West</td>
<td>The frontier in American history, the Trans-Mississippi West with emphasis on the Far West.</td>
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<th>Course Code</th>
<th>Units</th>
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<tbody>
<tr>
<td>HIST 315</td>
<td>1.5</td>
<td>3-0</td>
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<tr>
<td>America’s Foreign Relations</td>
<td>A study of America’s foreign policy and cultural interaction with the rest of the world, from 1607 to the present. Themes include exceptionalism, Manifest Destiny, imperialism, military and economic intervention, and isolationism. Special emphasis will be given to events between 1898 and the present.</td>
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<tr>
<td>HIST 316</td>
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<tr>
<td>The American Experience in Vietnam</td>
<td>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).</td>
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<tr>
<td>HIST 318</td>
<td>1.5</td>
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<tr>
<td>Topics in American History</td>
<td>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.</td>
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<tr>
<td>HIST 319</td>
<td>1.5</td>
<td>3-0</td>
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<tr>
<td>Seminar in American History</td>
<td>Selected topics in American history. Note: May be taken more than once for credit in different topics with permission of the Chair.</td>
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<tr>
<th>Advanced Courses: British</th>
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<tr>
<td>HIST 320</td>
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<tr>
<td>Seminar in Medieval England</td>
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| HIST 320A | 1.5 or 3 | Hours: 3-0 |
| Crime and Criminality in Medieval England | A seminar investigating criminal activity and the responses of communities and authorities. Notes: - Credit will be granted for only one of 320A, 320 (if taken in the same topic). - 236 strongly recommended. |

| HIST 320B | 1.5 or 3 | Hours: 3-0 |
| Medieval London | A seminar exploring the social, legal, religious, political and economic life of the city. Note: Credit will be granted for only one of 320B, MEDI 401 (F01 1998-99). 236 strongly recommended. |
COURSE LISTINGS

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.  
Note: 220 recommended.

HIST 324  
Units: 1.5 or 3  
Hours: 3-0  
Britain's Long Eighteenth Century (1689-1837)  
A study of the society, politics, economy and culture of Britain during the age in which it rose to global ascendancy, including the origins of British military might, the emergence of cabinet and parliamentary government, the American and Industrial Revolutions, the "Great War" with France (1793-1815), and political and social reform during the years before the accession of Queen Victoria.  
Notes: - Credit will be granted for only one of 324, 322, 323.  
- 220 recommended.

HIST 325  
Units: 3  
Hours: 3-0  
British, 1815-1914  
Great Britain, industry and empire; an intensive study of British history during the 19th century.  
Note: 220 recommended.

HIST 327  
Units: 3  
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: 220 recommended.

HIST 328  
Units: 1.5  
Hours: 3-0  
Death and the Afterlife in England  
A cultural history of death and attitudes towards the afterlife and the supernatural in England from the late Middle Ages to modern times. Subjects include beliefs about heaven, hell and purgatory; medieval ars moriendi; martyrdom and public execution; murder and providential murder; ghosts and ghost stories; suicide; the emergence of cemeteries; medicine, hospitals and the modern secularisation of death; spiritualism and recent New Age approaches.  
Note: 220 recommended.

HIST 330  
Units: 1.5 or 3  
Hours: 3-0  
Seminar in British History  
Selected topics in British history.  
Notes: - Enrollment limited. Priority in registration given to honours and major students in history, but others may be admitted with permission of the instructor.  
- 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.  
- 220 recommended.

HIST 339  
Units: 1.5 or 3  
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.  
Notes: - May be taken more than once for credit in different topics with permission of the Chair.  
- 220 recommended.

Advanced Courses: Canadian

HIST 341  
Units: 1.5 or 3  
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  
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 343  
Units: 3  
Hours: 3-0  
Canadian Labour History  
This course examines the working class experience and the development of organized labour movements in Canada, with particular emphasis on the 19th and 20th centuries. Topics include preindustrial working conditions, industrialization, labour organizations, the growth of trade unions, labour legislation, and labour politics.

HIST 344  
Units: 3  
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 347  
Units: 3  
Hours: 3-0  
Business and Society in Perspective: the Canadian Experience, 1800-1970  
This course examines the changing function of the entrepreneur within Canadian society. There will be particular emphasis on business relations with labour, consumers, and politicians; self perception within the business community; and the influence of British, American, and multinational corporations on the development of a Canadian entrepreneurial class.

HIST 351  
Units: 3  
Hours: 3-0  
French Canada  
A study of aspects of French Canada, its society, economy and politics.

HIST 353  
Units: 1.5 or 3  
Hours: 3-0  
Seminar in British Columbian History  
Selected topics in British Columbia history.  
Notes: - Enrollment limited. Priority in registration given to honours and major students in history, but others may be admitted with permission of the instructor.  
- May be taken more than once for credit in different topics with permission of the Chair. Students are advised to consult the Department about the topics to be considered.

HIST 354A  
Units: 1.5  
Hours: 3-0  
Northwestern America to 1849  
Surveys early history and literature of 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 355  
Units: 3; 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  
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 Chair.

HIST 358A  
Units: 1.5 or 3  
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 relationships 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  
Racism and Antisemitism in Canada to 1900  
An examination of the origins of racism and antisemitism in the western world and their establishment and evolution in Canada to 1900.  
Note: Credit will be granted for only one of 358D, 358, 359 (if taken in the same topic).
### 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 re formations.

#### HIST 362  
**Units: 1.5**  
**Hours: 3-0**  
**Europe Under the Ancien Regime**  
Preindustrial Europe in the 17th and 18th centuries. A social and cultural history of Western Europe. Emphasis will be placed on sex roles, household and family structure, religious beliefs, economic relations, and attitudes towards crime, madness and poverty.

#### 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.

#### 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.

#### 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.

#### 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-siecle.

#### HIST 366  
**Units: 1.5**  
**Hours: 3-0**  
**Europe Between Two World Wars**  
This course will examine 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.

#### 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.

#### HIST 370A  
**Units: 1.5**  
**Hours: 3-0**  
**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.

#### HIST 370B  
**Units: 1.5**  
**Hours: 3-0**  
**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.

#### 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.

#### HIST 371B  
**Units: 1.5**  
**Hours: 3-0**  
**Image and Reality: Scandals in France, 1870-1962**  
A seminar exploring notorious political, economic and sexual scandals and evaluating contemporary values and political accountability.

### Limited Enrollment Courses

- Enrollment limited. Priority in registration given to honours and major students in history, but others may be admitted with permission of instructor.
- May be taken more than once for credit in different topics with permission of the Chair.
### Course Listings

**HIST 380D**
- **Units:** 1.5 or 3
- **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
- **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 380F**
- **Units:** 1.5 or 3
- **Hours:** 3-0
- Murder and Mayhem in Medieval Europe
  - An investigation of the effects of three forms of disruption: crime, plague and war.
  - Note: Credit will be given for only one of 380F, 380A (if taken in the same topic), 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 given 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.

**HIST 388**
- **Units:** 1.5 or 3
- **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
- **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
- **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.
  - Prerequisites: 6 units of History.

**HIST 392**
- **Units:** 1.5 or 3
- **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.
  - Prerequisites: 9 units of History; 390 recommended.

**HIST 393**
- **Units:** 1.5 or 3
- **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; 240 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
- **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: The course may be taken more than once for credit in different topics with permission of the Chair.

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**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
- Twentieth-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 435**
- **Units:** 1.5
- **Hours:** 3-0
- Feudalism in Japan: the Way of the Warrior From the 12th to the 19th Century
  - A study of politics, economics, society and culture in medieval and Tokugawa Japan with emphasis upon the role of the samurai class.
  - Note: Credit will be granted for only one of 435, PACI 435. 255 strongly recommended.

**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 “levelling” Asia. It will examine 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, the 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 438**
- **Units:** 1.5 or 3
- **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 Chair.

**HIST 439**
- **Units:** 1.5 or 3
- **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 & Comparative**

**HIST 440**
- **Units:** 1.5 or 3
- **Hours:** 3-0
- Topics in Middle East History
  - An intensive study of selected aspects of modern Middle East history.
  - Note: 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  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.
Note: 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  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 neighboring areas.
Note: Credit will be granted for only one of 443, 468, 469 (if taken in the same topic). 105 recommended.

HIST 450  Units: 1.5 or 3  Hours: 3-0
Seminar in Indian History
Selected topics in Indian History.
Notes: - May be taken more than once for credit in different topics with permission of the Chair.
- 257 recommended.

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. Course work will also include 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 7th through the 12th centuries.
Note: Credit will be granted for only one of 455, 265, 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 462  Units: 1.5; formerly 3  Hours: 3-0
Art and Revolution
Examines the role of the artist (mainly through painting and graphics) in the major social and political revolutions of modern times. Emphasis on the French, Russian and Chinese revolutions but some consideration of political art in other revolutions and movements of social protest.
Note: Credit will be granted for only one of 462, HA 462.

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 to a maximum of 6 units with permission of the Chair.

HIST 465  Units: 1.5 or 3  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: 240 recommended.

HIST 466  Units: 1.5 or 3  Hours: 3-0
Twentieth 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 240 recommended.

HIST 467  Units: 1.5 or 3  Hours: 3-0
Western Visions of "Other" Societies
An exploration of ideas and images used in the West to characterize peoples defined as 'different'. Focus is primarily on the colonial period. Aims to analyze and compare views about peoples mainly outside Europe and North America, and to assess such perceptions in historical context.
Note: 240 recommended.

HIST 468  Units: 1.5 or 3  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 Chair.

HIST 469  Units: 1.5 or 3  Hours: 3-0
Seminar in Comparative History
Selected topics in comparative history. This course will examine various themes within different historical contexts.
Note: May be taken more than once for credit in different topics with permission of the Chair.

Advanced Specialized Courses

HIST 480  Units: 3  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 instructor.

HIST 481  Units: 1.5 or 3  Hours: 3-0
Micro History: Theory and Practice For Regional Studies
A research-oriented seminar examining the dimensions, possibilities and limitations of regional/local studies.
Note: Credit will be granted for only one of 481, 358 (if taken in the same topic), 359 (if taken in the same topic).

HIST 490  Units: 1.5 or 3  Hours: 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 495  Units: 3
Third Year Honours Tutorial
Directed 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.

HIST 496  Units: 3
Fourth Year Honours Tutorial
Directed 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. After acceptance of the paper by the supervising faculty member the student will undergo an oral examination on the field covered in the paper.

HIST 497  Units: 3
Honours Thesis
The preparation of an honours thesis from 15,000 to 25,000 words in length under the direction of a member of the Department. Normally, this thesis is an expansion of the student's research essay written for 496. After acceptance of the paper by the supervising faculty member, the student will undergo an oral examination on the field covered in the paper.

HOS 402  Units: 1.5  Hours: 3-0
Issues and Practices in Hospitality Management
This course will introduce a different management topic each year. It is designed to give the students sufficient understanding of the topic to conduct a related research project, in conjunction with several hotel and restaurant companies. A formal presentation of their findings will be made at the conclusion of the course to both the instructor and the client group.
Note: Enrollment limited to students entering the Hotel and Restaurant Management area of concentration.
Prerequisites: TRM 301 and fourth-year standing.

HSD 377  Units: 1.5
Self and Others IV - Group Process
This course focuses on the theories and concepts of group process from a multidisciplinary perspective. Students have the opportunity to experience and
COURSE LISTINGS

HSD 390 Units: 1.5 or 3
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
This course provides an opportunity to reflect critically on the experiences of women in their various connections to the human services: as recipients, providers, advocates and policymakers. It explores the social, economic and political influences which have shaped these experiences for diverse groups of women. There is attention 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.

HSD 425 Units: 1.5
Qualitative and Quantitative Analysis
This course 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.

Note: Normally, this course is available only to students registered in the School 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
This is 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 462 Units: 1.5
Perspectives on Substance Use
This is an introductory course on substance use and its impacts, particularly in relation to working with children and families. Students are expected to understand and critically reflect on a range of perspectives, and practice responses that flow from these perspectives. There is a particular emphasis on exploring the historical, social and political contexts of substance use among Aboriginal peoples, women and youth. This course also addresses the impacts of substance use on children, families and communities, and the issues of pregnancy and parenting. Students are expected to use critical reflection to articulate their own perspective on substance use.

Note: Credit will be granted for only one of 462, CYC 369, SOCW 479.

HSD 463 Units: 1.5
Approaches to Substance Use: Prevention and Treatment
This course examines 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. Students will be asked to critically reflect on the social and political context of various responses to substance use.

Note: Credit will be granted for only one of 463, CYC 368.

Prerequisites: 462, CYC 369 or SOCW 479 or another course with permission of the instructor.

HSD 464 Units: 1.5
Introduction to Disability Studies
This course is required 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. The course 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.

HSD 465 Units: 1.5
Interdisciplinary Practice with Children and Families
This course will provide opportunities for applying the skills, knowledge and beliefs essential for effective interdisciplinary practice with children and families. The course will explore 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.

HSD 469 Units: 1.5 or 3
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.

HSM Hospitality Services Management
Faculty of Business
Courses offered by the Faculty of Business are also found under the following course codes: COM (Commerce), ENE (Entrepreneurship), HOS (Hospitality), IB (International Business), MBA (Master of Business Administration).
### Humanities

**Humanities Diploma Program**

**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.

### Interdisciplinary Arts

**Department of Curriculum and Instruction**

**Faculty of Education**

Courses offered by the Faculty of Education are also found under the following course codes: AE, DE, ED-D, ED-P, EDCI, EDUC, IA, IET, ME, PE.

**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.

### International Business

**Faculty of Business**

Courses offered by the Faculty of Business are also found under the following course codes: COM (Commerce), ENT (Entrepreneurship), HOS (Hospitality), HSM (Hospitality Services Management), MBA (Master's of Business Administration).

**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 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 the permission of the Faculty of Business.

**Prerequisites:** 301 or COM 361 and fourth-year standing or permission of the Program Director.

**IB 410** Units: 1.5 Hours: 3-0

**Introduction to Asian Business Environment**

This course provides a broad overview of business in the Asia-Pacific region. Countries covered include Japan, China, Korea, Taiwan, and the ASEAN nations. Topics include economic development; the Asian financial crisis; Asian management theory and practice; plus strategic planning and basic information for conducting business in and with Asian countries.

**Prerequisites:** 301 or COM 361 and fourth-year standing or permission of the Program Director.

**IB 411** 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:** All third-year commerce core or permission of the BCom Program Director.

**IB 412** 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:** All third-year commerce core or permission of the BCom Program Director.

**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:** All third-year commerce core or permission of the BCom Program Director.

**IB 418** Units: 1.5 Hours: 3-0

**International Work Study**

This course is a project-based work study carried out for organizations located outside Canada. Students will conduct research and complete projects assigned by the host organization. Offered only in conjunction with the International Business concentration module.

**Note:** Special fees apply for this course. See the Special Fee section of the calendar for details.
IGOV 380 Units: 1.5
Written Communications in Indigenous Organizations
This course will focus on the development of written communications skills that contribute to effective performance. Written assignments will be designed to improve the student's ability to communicate clearly, organize material, and present arguments. Attention will be placed on the development of good grammar and prose style, with a concentration on the preparation of briefs, the drafting of resolutions, reports, speeches and press releases. The unique challenges of working in indigenous organizations and communities will inform the effort throughout.

IGOV 381 Units: 1.5
Indigenous Leadership and Governance
This course will explore the political, social and intellectual dynamics of leadership in contemporary indigenous communities. A focus will be placed on locating the current issues and problems within an historical framework of understanding based on colonization. From a perspective rooted in traditional values and a commitment to indigenous nationhood, this course will consider 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
This course will examine Provincial, Federal, State, Territorial and International laws affecting indigenous governments. It will examine the authorities of and legal relationships between Indigenous people and states. It will also include 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
This course will consider 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. A focus will be placed 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
This course will provide students with an opportunity to examine and discuss the most relevant 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.

IGOV 385 Units: 1.5
Economy, Society, and Aboriginal Governance
This course will focus on the economic and social contexts of aboriginal governments in Canada. Matters covered may include the role and importance of land in aboriginal society, resource management, the contemporary socio-economic conditions of aboriginal peoples and their communities, the particular challenges aboriginal peoples encounter in urban settings and the dynamics of economic development. Particular attention will be paid to the historical and cultural dimensions of the subject.

Prerequisites: 380 and 381 or permission of the Program Administrator.

IGOV 480 Units: 1.5
Personal Management in Indigenous Organizations
This course will focus on the skills and understanding that managers working in indigenous organizations need to work with people to attain effective performance. Topics will include the basic principles of human resource management, labour relations, motivation, job design, performance appraisal, group dynamics, negotiating, time management, conflict management and managerial training and development. A special emphasis will be placed on locating the development of these skills in a context of indigenous cultural traditions and values.

Prerequisites: 380 and 381.

IGOV 481 Units: 1.5
Systems Management in Indigenous Organizations
This course will provide the student with an opportunity to enhance the skills and understandings necessary to develop and effectively operate various systems and programs in indigenous organizations. Topics will include the basic principles of planning, financial management, accounting, budgeting, information systems, evaluation, and project and program development. A special emphasis will be placed on the functioning of these systems in a contemporary indigenous context.

Prerequisites: 380 and 381.

IGOV 482 Units: 1.5
Strategic Communications
This course will provide students with the understanding and skills necessary for effectively managing organizational communications. A focus will be placed on the development of oral and written communications skills in relation to the media, strategies for optimizing internal communications, and the development and maintenance of an effective communications strategy.

Note: Students may take their elective credits from approved university transfer courses, or from one of the elective courses offered as part of the program.

Prerequisites: 380 and 381.

IS 371 Units: 1.5
The History of First Nations Education in Canada
This is an introductory course in First Nations Education in Canada. Topics are divided into four categories: first, traditional forms of Aboriginal knowledge and pedagogy before European contact; second, a historical overview of colonization and government legislation and policy pertaining to education; third, First Nations resistance and educational initiatives; and fourth, a general overview of current issues facing First Nations Education today.

Note: Credit will be granted for only one of IS 371, EDCI 371.

IS 372 Units: 1.5
First Nations Epistemology
This course will introduce First Nations epistemology in the context of forms of knowledge, traditional pedagogy and origins of traditional values and worldview as pertaining to First Nations in Canada. The course will also review Western frames of knowledge and pedagogy and explore how knowledge is produced, how it is acquired, how knowledge claims are validated and how such a process has contributed to the marginalization of First Nations cultures and knowledge.

Note: Credit will be granted for only one of IS 372, EDCI 372.

IS 400 Units: 1.5
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.

Prerequisites: 200.

ITAL 100A, 100B, 149, 250A, 250B, or 255. 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
Formerly: first half of 100
Beginners' Italian I
Focuses on the acquisition of basic skills of pronunciation, reading, writing, and conversation. The content will include 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
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 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 and 100, 100A, 100B.

ITAL 250A Units: 1.5 Hours: 3-1
Formerly: 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 255 Units: 1.5 Hours: 3-0
Communicating in Italian
This optional companion course to 250B will focus on reading and speaking Italian. Short literary and journalistic texts will be used for oral practice to develop reading skills. Requirements will include brief written assignments, as well as film and media reports. Note: Credit will be granted for only one of 255, 301.
To be taken in conjunction with 250B.
Prerequisites: 250A or permission of the Department.

ITAL 303 Units: 1.5 Hours: 3-0
Medieval Italian Culture and Literature (in English)
A study of 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.
Prerequisites: Second-year standing.

ITAL 306 Units: 1.5 Hours: 3-0
Italian Culture and Civilization (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 Grammar and Translation
This course, to be offered in alternate years, complements 351 and is designed to increase vocabulary, and refine written expression by analyzing shifts in meaning, grammatical exceptions, and progressively more complex linguistic structures. Emphasis will be on translation and composition. Readings may include short contemporary works of prose, poetry, and theatre.
Note: Credit will be granted for only one of 350, 302.
Prerequisites: 250A and 250B.

ITAL 351 Units: 1.5 Hours: 3-0
Advanced Course in Modern Italian Usage
This course, to be offered in alternate years, complements 350 by providing students with oral and grammatical focused written practice centered on the study of the Italian language as used in the media, popular fiction, children’s literature, poetry, and music. The emphasis will be on conversation and composition.
Prerequisites: 250A and 250B.

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 in different topics.
Pre- or corequisites: 350 or 351 if 407 given in Italian; second-year standing if 407 given in English.

ITAL 470 Units: 1.5, formerly 3-0 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 Petrarach: His Life as Literature (in English)
The life of Petrarch seen through his literary works, the primary focus will be on Petrarach’s Canzoniere and his Letters, within the context of political turmoil 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 of Goldoni and the role of women in his comedies.
Note: Credit will be granted for only one of 474, 370D.
Pre- or corequisites: 350 or 351.

ITAL 485 Units: 1.5 Hours: 3-0
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 in different topics.
Pre- or corequisites: 350 or 351 if given in Italian; second-year standing if given in English.

ITAL 495 Units: 1.5 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 in different topics.

JAPA
Japanese
Department of Pacific and Asian Studies
Faculty of Humanities
Courses marked * are not available to native speakers of Japanese. A native speaker is defined in this context as a person who has spoken Japanese since childhood and who has received sufficient instruction
UVIC UNDERGRADUATE CALENDAR 2005-06

306 COURSE LISTINGS

to be literate in Japanese. Students who are not native speakers, but who do have some knowledge of Japanese, 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.

JAPA 149* Units: 3 Hours: 6-1
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 149 or 100A and/or 100B, or equivalent. Limited to 25 students per section.

JAPA 150* Units: 3 Hours: 6-1
Introductory Japanese: II
Continuation of 149 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 150, 200. Limited to 25 students per section.
Prerequisites: A minimum grade of B in 149, 100B, 101B, or equivalent.

JAPA 201A Units: 1.5 Hours: 3-0
Formerly: part of 201
Aspects of Japanese Culture: I
A survey of Japan's cultural past from earliest times to the mid-nineteenth century. The major trends in Japanese history will be outlined, with emphasis on the outstanding cultural developments of each epoch, especially in the areas of literature, drama, philosophy and religion, and the visual arts. Relevant social backgrounds will also be considered. No knowledge of Japanese language is required.
Note: Credit will be granted for only one of 201A, 201.

JAPA 201B Units: 1.5 Hours: 3-0
Formerly: part of 201
Aspects of Japanese Culture: II
A survey of Japanese culture from the mid-nineteenth 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 201B, 201.
Prerequisites: 201A or permission of the instructor.

JAPA 201C Units: 1.5 Hours: 10-0
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. Enrollment requires full participation in that program (including intensive language study). The course 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.
Prerequisites: Registration in the immersion Japanese language and culture program.

JAPA 249* Units: 3 Hours: 6-1
Formerly: 300
Intermediate Japanese: I
A continuation of 150, 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 249, 300, 311. Limited to 25 students per section.
Prerequisites: A minimum grade of B in 150 or 200 or equivalent, or permission of the instructor.

JAPA 260 Units: 1.5 Hours: 3-0
Also: LING 260
Introduction to the Japanese Language and Linguistics
A general introduction to 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 260, LING 260.

JAPA 302A Units: 1.5 Hours: 3-0
Formerly: part of 302
Japanese Literature in Translation: From Earliest Times to the Beginning of the Middle Ages
A survey, through materials in English translation, of Japanese literature from the aristocratic period to the early days of military rule. Emphasis will be on poetry, literary diaries, and narrative fiction, with considerable attention to The Tale of Genji.
Note: Credit will be granted for only one of 302A, 302.
Prerequisites: Second-year standing or permission of the instructor.

JAPA 302B Units: 1.5 Hours: 3-0
Formerly: part of 302
Japanese Literature in Translation: the Middle Ages and the Early Modern Period
A survey, through selected English translations, of Japanese literature from the middle ages to the eve of the Meiji Restoration. Major literary trends will be examined, including zuihitsu and popular fiction, linked verse and haiku poetry, No drama and the puppet theatre.
Note: Credit will be granted for only one of 302B, 302.
Prerequisites: Second-year standing or permission of the instructor.

JAPA 303A Units: 1.5 Hours: 3-0
Formerly: part of 303
Modern Japanese Literature in Translation: From 1688 to 1926
A survey, through selected English translations, of Japanese literature from the Meiji (1868-1912) and Taisho (1912-1926) eras. The course will focus on readings of works by Natsume Soseki, Mori Ogai, and other novelists, poets and playwrights.
Note: Credit will be granted for only one of 303A, 303.
Prerequisites: Second-year standing or permission of the instructor.

JAPA 303B Units: 1.5 Hours: 3-0
Formerly: part of 303
Modern Japanese Literature in Translation: From 1926 to the Present Day
This course covers the literature of the turbulent Showa era (1926-1989). Most of the readings will be novels and short stories, and will include works by Kawabata, Tanizaki, and Mishima.
Note: Credit will be granted for only one of 303B, 303.
Prerequisites: Second-year standing or permission of the instructor.

JAPA 311* Units: 3 Hours: 6-1
Formerly: 250
Intermediate Japanese: II
A continuation of 249, offering further balanced development of language skills. Classes will be conducted in Japanese.
Note: Credit will be granted for only one of 311, 250. Limited to 25 students per section.
Prerequisites: A minimum grade of B+ in 249 (or 300) or equivalent.

JAPA 312* Units: 1.5 Hours: 3-0-1
Formerly: part of 400
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 312, 400. Limited to 25 students per section.
Prerequisites: A minimum grade of A- in 311 (or 250) or permission of the instructor.

JAPA 313* Units: 1.5 Hours: 3-0-1
Formerly: part of 400
Advanced Readings in Japanese: II
A continuation of 312 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 313, 400. Limited to 25 students per section.
Prerequisites: A minimum grade of A- in 311 (or 250) or permission of the instructor.

JAPA 314* Units: 1.5 Hours: 3-0-1
Formerly: part of 411
Advanced Comprehension and Conversation
An advanced course designed to develop knowledge of practical Japanese through listening and speaking practice.
Note: Credit will be granted for only one of 314, 411. Limited to 25 students per section.
Prerequisites: A minimum grade of A- in 311 (or 250) or permission of the instructor.

JAPA 315* Units: 1.5 Hours: 3-0-1
Formerly: part of 411
Advanced Composition: I
An advanced course designed to develop knowledge of written Japanese through practical writing practice.
Note: Credit will be granted for only one of 315, 411. Limited to 25 students per section.
Prerequisites: A minimum grade of A- in 311 (or 250) or equivalent or permission of the instructor.

JAPA 320A Units: 1.5 Hours: 3-0
Also: THEA 312
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 premodern 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 320A, THEA 312.
Prerequisites: Second-year standing or permission of the instructor.
JAPA 320B Units: 1.5 Hours: 3-0
Also: THEA 313
Seminar in Japanese Theatre and Drama: From 1500 to the Present Day
Intensive study of No, Bunraku, Kabuki, and 20th-century Japanese theatre. Students should consult the instructor for specific information on course content, which may vary from year to year.
Note: Credit will be granted for only one of 320B, THEA 313.
Prerequisites: 320A or THEA 312.

JAPA 324A Units: 1.5 Hours: 3-0
Humanism in Japanese Cinema to 1960
This course will examine the philosophies underlying the films of representative directors such as Kurosawa Akira, Mizoguchi Kenji, and Ozu Yasujiro from the pre-war years up to 1960, covering themes which include gender relations, class/ideology, and the place of the individual in society. Classes will be divided between viewing, analysis, and discussion.
Prerequisites: Second-year standing or permission of the instructor.

JAPA 324B Units: 1.5 Hours: 3-0
Trends in Japanese Cinema, 1960 to Present
This course will examine issues in Japanese cinema from the 1960s to the present day, focusing on such topics as experimentation, social radicalism, the modern/postmodern transition, and gender relations. Directors to be considered include Teshigahara, Oshima, Itami, Miyazaki, and others.
Prerequisites: Second-year standing or permission of the instructor.

JAPA 358 Units: 1.5 or 3 Hours: 3-0
Topics in Japanese Language, Literature, and Culture
This seminar will examine selected topics related to Japanese language, literature, or cultural studies. Topic and instructor will vary from year to year.
Note: May be taken more than once for credit in different topics to a maximum of 9 units.
Prerequisites: Will vary according to the topic; prospective students should consult with the instructor or with the Program Adviser.

JAPA 359 Units: 1.5 Hours: 3-0
Love and Sex in Japanese Culture
A seminar on love and sex in Japan, from earliest times to the present day. Class readings, including fiction, drama, and poetry, will be supplemented with student presentations on a variety of topics and texts.
Note: Credit will be granted for only one of 359, 358 if taken in the same topic.
Prerequisites: Second-year standing or permission of the instructor.

JAPA 360 Units: 1.5 Hours: 3-0
Sociolinguistic Issues in Japanese
An examination of 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 360, LING 360.

JAPA 403A Units: 1.5 Hours: 3-0
Readings in Modern Japanese Literature: 1960 to the Present
A seminar intended for advanced students prepared to read literary texts in modern Japanese. Course content will include contemporary fiction, drama, and/or poetry, and may vary from year to year.
Note: May be taken more than once for credit with permission of the instructor.
Prerequisites: 313 (400) or equivalent; or a minimum grade of A- in 312 plus enrollment in 313, or permission of the instructor.

JAPA 403B Units: 1.5 Hours: 3-0
Readings in Modern Japanese Literature: 1900-1960
A seminar for advanced students in reading Japanese texts (fiction, drama and/or poetry) from 1900 to 1960. Course content may vary from year to year.
Note: May be taken more than once for credit with permission of the instructor. Prior completion of 403A is recommended.
Prerequisites: 313 (400) or equivalent; or a minimum grade of A- in 312 plus enrollment in 313, or permission of the instructor.

JAPA 480* Units: 1.5 or 3
Directed Readings in Japanese
This course is designed for advanced students prepared to read extensively in Japanese. Readings will be assigned by the instructor in consultation with the participating students.
Note: May be taken more than once for credit with permission of the instructor and the Japanese Program Adviser. Not open to native speakers.
Prerequisites: JAPA 313 (or 400) or equivalent level of language competence; minimum grade of A- in 312 plus enrollment in 313 or permission of the instructor.

JAPA 481* Units: 1.5 or 3
Special Topics
Offered either as a reading course, a tutorial or a seminar in Japanese language, literature or culture, for advanced students. Consult appropriate members of the Department about topics and requirements.
Note: May be taken more than once for credit in different topics to a maximum of 3 units with permission of the instructor and the Japanese Program Adviser. Not open to native speakers.
Pre-requisites: JAPA 313 (or 400) or equivalent level of language competence; minimum grade of A- in 312 plus enrollment in 313 or permission of the instructor.

LATI 301 Units: 1.5 Hours: 3-0
Formerly: part of 300
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.
Prerequisites: 101.

LATI 101 Units: 1.5 Hours: 3-0
Formerly: part of 100
Introductory Latin: I
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 102 Units: 1.5 Hours: 3-0
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 201, 200.
Prerequisites: 102 or permission of the Department.

LATI 201 Units: 1.5 Hours: 3-0
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 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 300A and 300B
Vergil
Selected readings in Latin from one or more of Vergil's Eclogues, Georgics, and Aeneid.
Note: Credit will be granted for only one of 301, 300A, 300B.
- 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.

LATI 480 Units: 1.5
Directed Studies in Latin
This course is designed for advanced students prepared to read extensively in Latin. Readings will be assigned by the instructor in consultation with the participating students.
Note: May be taken more than once for credit with permission of the instructor. Prior completion of 480 is recommended.
Prerequisites: LATI 301 (or 400) or equivalent level of language competence; minimum grade of A- in 312 plus enrollment in 313 or permission of the instructor.

LATI 481 Units: 1.5 or 3
Special Topics
Offered either as a reading course, a tutorial or a seminar in Latin literature, culture or history of Latin at the 300 level, for advanced students. Consult appropriate members of the Department about topics and requirements.
Note: May be taken more than once for credit in different topics to a maximum of 3 units with permission of the instructor and the Latin Program Adviser. Not open to native speakers.
Pre-requisites: LATI 301 (or 400) or equivalent level of language competence; minimum grade of A- in 312 plus enrollment in 313 or permission of the instructor.

LATI 507 Units: 1.5 Hours: 3-0
Formerly: part of 300A and 300B
Vergil
Selected readings in Latin from one or more of Vergil's Eclogues, Georgics, and Aeneid.
Note: Credit will be granted for only one of 301, 300A, 300B.
- 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 509 Units: 1.5 Hours: 3-0
Ovid
Readings from Ovid's Metamorphoses or other poems.
Prerequisites: 202 or permission of the Department.

LATI 510 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.
308 COURSE LISTINGS

Prerequisites: 202 or permission of the Department.

LATI 350 Units: 1.5 Hours: 3-0
Also: MEDI 350
Formerly: LATI 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 twelfth 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.

LAW

Law
Faculty of Law

LAW 100 Units: 3
The Constitutional Law Process
This course deals with the basic framework of the Canadian constitutional system and 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.
Grading: INP grade used only if course offered in the Nunavut Program.

LAW 102 Units: 2
The Criminal Law Process
The course is 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.
Grading: INP grade used only if course offered in the Nunavut Program.

LAW 104 Units: 1.5
Law, Legislation and Policy
This course 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.
Grading: INP grade used only if course offered in the Nunavut Program.

LAW 106 Units: 1
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. It attempts to provide first-year students with a transactional "overview" of their new discipline in its totality. It also provides a background for courses in the second and third year program. This course 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. The course will have a variety of components, namely historical, institutional, procedural and philosophical. 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, or F INP grade used only if course offered in the Nunavut Program.

LAW 108 Units: 6
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.
Grading: INP grade used only if course offered in the Nunavut Program.

LAW 110 Units: 1.5
Legal Research and Writing
The purpose of the course is to acquaint the first-year student with the variety of materials in the Law Library and to provide a knowledge 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.
Grading: INP grade used only if course offered in the Nunavut Program.

LAW 301 Units: 2
The Administrative Law Process
This course will seek to investigate 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, the course will investigate 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
Criminal Law: II
This course 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 defences of homicide, fraud, and contempt of court, will be carefully analyzed. Major defences, including double jeopardy, insanity, automatism and self defence will be scrutinized.

LAW 303 Units: 1.5
Criminal Procedure
The criminal law is highly procedural in nature; it is frequently in this realm that cases are lost or won. This course is concerned with 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: 3-7.5  Hours: 6-0

**Criminal Law Term**
This course will provide students with a comprehensive understanding of the criminal process from its inception through the trial process and the correction system. It is 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 enroll 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 enrollment in LAW 304.

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**LAW 305**
Units: 1.5  Hours: 3-0

**Law, Theory and Practices of Sentencing**
This course is designed to introduce students to the law, theory and practices of sentencing. The course will provide 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. The remainder of the course will involve a detailed examination of the various sentencing options and the basic principles and rules of sentencing, including the rules governing sentencing hearings.

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**LAW 307**
Units: 1.5 or 2  Hours: 4-0

**Civil Procedure**
This course will be founded upon 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.

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**LAW 309**
Units: 2  Hours: 4-0

**The Law of Evidence**
This course will examine 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 competency 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.

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**LAW 310**
Units: 1.5  Hours: 3-0

**Restitution**
This course will acquaint the student with the existence and utility of the body of doctrine based upon the principle of preventing "unjust enrichment" and will focus 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.

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**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.

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**LAW 312**
Units: 1.5  Hours: 3-0

**Debtor and Creditor Relations**
The course will discuss 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.

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**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.

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**LAW 314**
Units: 1 or 1.5  Hours: 2-0

**Sale of Goods**
This course involves the study of the law pertaining to the sale of goods including an examination of the Sale of Goods Act, the Trade Practices Act and the Consumer Protection Act.

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**LAW 315**
Units: 2 or 2.5  Hours: 4-0

**Business Associations**
This course will analyze and discuss various legal forms for carrying on trade. The course 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.

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**LAW 316**
Units: 2  Hours: 4-0

**Secured Transactions and Negotiable Instruments**
After a brief history of chattel security law, this course will focus 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. The course will also introduce the student to Bank Act security and to the law of negotiable instruments.

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**LAW 317**
Units: 2  Hours: 4-0

**Real Property Transactions**
This course will adopt a transactional perspective and analyze 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 interning 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.

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**LAW 318**
Units: 1.5  Hours: 3-0

**Remedies**
This course seeks to highlight 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. The course will concern itself with questions regarding damages, specific remedies, restitution, as well as analysis for alternative methods of remedial action through compensation schemes.

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**LAW 320**
Units: 1.5  Hours: 3-0

**Succession and Estate Planning**
This course will consider 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. This is a course which is 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.

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**LAW 326**
Units: 2  Hours: 4-0

**Employment Law**
This course offers an introduction to three legal regimes bearing upon the employment relationship: (1) the common law; (2) collective bargaining law; and (3) regulatory schemes in such fields as employment standards, human rights and occupational health and safety.

A major theme of the course is the relative strengths and weaknesses of these three regimes and the legal institutions charged with their administration.

**Note:** Credit will be granted for only one of 326, if 326 taken prior to 1985-86.
## COURSE LISTINGS

### LAW 327 Jurisprudence
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** A wide variety of topics may be considered in this course 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 Environmental Law
- **Units:** 1.5
- **Hours:** 2-0
- **Description:** 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 329 International Law
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** Public International Law is concerned with the legal relations of states and the individuals who compose them. The course seeks to explore the way in which sovereign powers choose to govern their interrelations 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 330 International Trade Law
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** International trade constitutes a crucial 30% of Canadian economic activity and this course 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 of this course is the attention paid to U.S. trade law, its operation and impact upon Canada.

### LAW 331 Social Welfare Law
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** This seminar is designed to help 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 way in which housing and income security and the practice of poverty law as a strategy for change.

### LAW 332 Advanced Business Associations
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** This course will consider selected topics concerning business associations. The topics may include topics not covered, or covered in less detail, in the Business Associations course. Selected topics may also include an analysis of the law, policy and practical aspects of particular transactions by business associations. The course will also assess aspects of the way in which the legal framework within which business associations operate affects, and is affected by the broader social and political context.

### LAW 333 Collective Agreements: Negotiation and Arbitration
- **Units:** 1 or 1.5
- **Hours:** 2-0
- **Description:** 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.

### LAW 334 Dispute Resolution: Theory and Practice
- **Units:** 1 or 1.5
- **Hours:** 2-0
- **Description:** This course will examine the forms and functions of major dispute 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 theoretical, critical and practical perspectives. The course will also examine and develop the skills used in various dispute resolution procedures.

### LAW 335 International Law
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** This course examines immigration and refugee law, policy and practice. Topics considered include the historical perspective, constitutional jurisdiction, the admission of immigrants, refugees and permanent residents. Students will be given an opportunity to consider immigration and refugee law from a comparative perspective, with particular focus on the Asia-Pacific region.

### LAW 336 Contemporary Issues in Law
- **Units:** 0.5-2
- **Hours:** 1-0
- **Description:** This course is concerned with legal issues which are contemporary and problematic. Each issue will be examined in the light of existing legal rules, social and related implications, the legal process, and possible reforms.

### LAW 337 International Trade Law
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** The course will examine 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 338 Advanced Taxation
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** This course builds upon the concepts studied in Taxation (345) and is concerned primarily with the Income Tax Act and will provide an introduction to certain specific provisions of that Act, concentrating primarily on personal income tax law.

### LAW 339 Legal Theory Workshop
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** This seminar explores the interdisciplinary nature of legal studies by considering the contributions of 20th century social theory to legal thought. Topics which will be canvassed include analyses of law and legal systems from sociological, economic and philosophical perspectives.

### LAW 340 Indigenous Lands, Rights and Governance
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** This course examines the major legal issues concerning Indigenous peoples (Indian, Inuit and Metis) in Canada. It will explore 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. In exploring these issues the course will also examine aspects of legal pluralism, and assess a variety of normative and political justifications for aboriginal rights.

### LAW 341 Historical Foundations of Aboriginal Title and Government
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** This seminar introduces students 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 Immigration and Refugee Law
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** This course examines immigration and refugee law, policy and practice. Topics considered include the historical perspective, constitutional jurisdiction, the admission of immigrants, refugees and permanent residents. Students will be given an opportunity to consider immigration and refugee law from a comparative perspective, with particular focus on the Asia-Pacific region.

### LAW 343 Contemporary Issues in Law
- **Units:** 0.5-2
- **Hours:** 1-0
- **Description:** This course is concerned with legal issues which are contemporary and problematic. Each issue will be examined in the light of existing legal rules, social and related implications, the legal process, and possible reforms.

### LAW 344 Insurance Law
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** The course will examine 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 Taxation
- **Units:** 2
- **Hours:** 4-0
- **Description:** The course will strive to cover the basic principles of income tax law including such issues as taxable income, residence income from employment, business or property, and capital gains. It will also deal in a general way with policy underlying certain aspects of the Income Tax Act and will provide an introduction to certain specific provisions of that Act, concentrating primarily on personal income tax law.

### LAW 346 Advanced Taxation
- **Units:** 1 or 1.5
- **Hours:** 2-0
- **Description:** This course builds upon the concepts studied in Taxation (345) and is concerned primarily with the Income Tax treatment of business organizations, particularly corporations and partnerships, and their investors.

### LAW 347 Intellectual Property
- **Units:** 1.5
- **Hours:** 3-0
- **Description:** 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. In addition, the course 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 soft-
ware in the context of patent, copyright and trade
secret law, including confidentiality and non-competi-
tion agreements in the market place. General patent
law and its application to pharmaceutical and bio-
technological commodities is included. Global busi-
ness dimensions of technology are presented, espe-
cially in a Pacific Rim context between Canada,
United States and Japan.

LAW 349
Units: 1.5-3
Hours: 3-0
Business Law Clinic
Using a clinical approach, this course allows students to
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 the Victoria Bar, students develop practical legal skills and examine
the role of the legal profession in the small busi-
ness environment.

Note: May be taken twice for credit to a maximum of 3
units with the approval of the Associate Dean and the
instructor.
Grading: COM, N or F

LAW 350
Units: 3-7.5
Hours: 6-0
Clinical Term
Clinical legal education is predicated upon the as-
sumption 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 reflec-
tion and examination of substantive legal rules, pro-
cedural and strategic positions, and introspec-
tive 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 ses-
sions. Programs envisaged would take place in a
community law office.

LAW 350A (3-7.5) Community Law-Legal Aid Clinic
Note: Only part-time students may enroll 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 arrange-
ments.
Grading: COM, N or F

LAW 351
Units: 3-7.5
Hours: 6-0
Public Law Term
This course will provide a forum for the development of a comprehensive understanding of the nature
of policy formulation and decision making in govern-
mental departments and agencies as well as the role
of the lawyer in the context of the administrative and
legislative processes. The course will focus on se-
lected areas of governmental activity and will exam-
ine the evolution of public law and the conflicting
values involved in the regulation of contemporary
society, the emerging dominance of the executive
branch of the government and the professional re-
sponsibility of the lawyer as advocate, legislator,
counselor, lobbyist, administrator and policy advisor.
A clinical placement may be arranged for each stu-
dent.

Note: Only part-time students may enroll for less than
7.5 units. Part-time students are required to consult
with the professor before registering for LAW 351 in
order to make necessary accommodation arrange-
ments.

LAW 352
Units: 3-8
Exchange Law Term
With the permission of the Dean, or his or her design-
ate, 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 enroll 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 enroll-
ment in an exchange term, the number of credits for
which the student may be enrolled, and the require-
ments for successful completion of term are governed
by the regulations adopted by the Faculty for this pro-
gram.
Grading: COM, N or F

LAW 353
Units: 1-2
Hours: 2-0
Environmental Law Centre Clinic
This course offers students an opportunity to study
the theory and engage in the practice of public inter-
est 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 de-
velop practical inter-lawyering skills including advo-
cacy 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 or F

LAW 354
Units: 1.5
Hours: 3-0
Forest Law and Policy
This course assesses the record of reform in a vari-
ety of areas (including forest tenures, practices, stumpage, cut regulation and land use planning) against
the overarching metric of sustainability. A discipli-
ary approach is used. The course also con-
siders emerging topics such as forest certification
and First Nations forestry.

LAW 355
Units: 2
Hours: 4-0
Legal Skills
The course uses materials from substantive law to
examine and develop the skills of the lawyer in inter-
viewing, counselling and negotiating.
Grading: COM, N or F

LAW 356
Units: 2
Hours: 4-0
Advocacy
This course will involve a critical analysis of the trial
process including the demonstration and evaluation
of various techniques of advocacy and their relation-
ship to the law of evidence and procedure. In particu-
lar, the objectives and techniques of pretrial motions,
examinations for discovery, examination and cross
examination of witnesses, exhibits, and the presenta-
tion of legal argument will be considered.
Grading: COM, N or F

LAW 357
Units: 1.5
Hours: 3-0
Sexual Orientation and the Law
This course explores how the law treats gay, lesbian,
bisexual, two spirited, transgendered and queer per-
sons 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 stu-
dents.

LAW 358
Units: 1.5
Hours: 3-0
Race, Ethnicity, Culture and the Law
This course will examine 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 inter-
actions of legal and social institutions. The continuing
existence of personal and institutional racism, its
effects on minority individuals and groups, and resist-
ance to it within minority ethnic and cultural commu-
nities will also be considered. Among the topics to be
addressed will be: race theory; multiculturalism and
nationalism; immigration and refugee policy; intersec-
tions of race and gender; employment equity; policing
and race; and ethnicity in the administration of
justice; and the legal profession; and, First Na-
tions justice.

LAW 359
Units: 1.5
Hours: 3-0
Civil Liberties and the Charter
This course will examine the relationship between
the government and the individual. The major emphasis
will be on the development and protection of civil
liberties and human rights in Canada. Reference may
also be made to Human Rights Legislation and Inter-
national Agreements.

LAW 360
Units: 1.5
Hours: 3-0
The Legal Profession
This course is designed to provide students with
insights and perspectives into the organization and
operation of the legal profession as a vital institu-
tion in the legal process. The class will be asked to con-
sider 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 professions 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, the course will
consider 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
This course uses a website for both teaching and
communications linking students at UVic, UBC and
Australian National University. It offers the study of
legal history as a means of understanding the relation-
ships 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 Colum-
bia, 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
This course seeks to illustrate problems arising out of
the interaction of laws and legal systems. Such im-
portant questions as choice of law, recognition of
foreign judgments, doctrines of domicile and renvoi
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? This course examines the nature and prospects of law and governance in the developing world, focussing mainly on the Commonwealth states of Asia and Africa.

LAW 365 Units: 1 or 1.5  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 mooting programs approved by the Dean. Students may not engage in more than one moot competition in the same academic session.
Grading: COM, N, or F.

LAW 366 Units: 1 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, infringement 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
This course involves a consideration of telecommunication law and policy in Canada including constitutional and regulatory issues from historical and current perspectives and the traditional division between “broadcast” and “non-broadcast” functions. There will be an analysis of the consequences of these functions together with the greater convergence with the Information Highway or Internet in a current context of promotion of competition, as opposed to regulation. Emphasis will be placed on perspectives of globalism and the new substantial application of intellectual property, particularly copyright, to the media of communication. The merging of telecommunications with entertainment and media will be addressed, and selected topics of entertainment and media law and policy including “neighbouring rights” in copyright law in Canada, will be included.

LAW 368 Units: 1.5  Hours: 3-0
Indigenous Women and the Law
This course examines the unique historical and contemporary status of Indigenous women within the structures of Canadian law and society. The course 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
This seminar explores critiques of law and legal reasoning from several feminist perspectives. Topics which will be examined 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 South East Asia
This course introduces, in comparative and sociological perspective, the laws and legal systems of SE Asia. The main emphasis is on Indonesia, Malaysia, Singapore, Thailand and Vietnam. The course also 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
This course is designed to help students develop an understanding of what constitutes a global issue, and how such issues change the nature of state borders. It 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
Public Policy, Law and Dispute Resolution
This course examines a range of issues of governance and justice. It 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, abortion, self-government, fiscal restraint, public accountability and ethics.
Note: Open to Law and eligible Dispute Resolution Program students.

LAW 373 Units: 1.5  Hours: 3-0
International Human Rights and Dispute Resolution
This course examines the extent to which international law serves as an effective vehicle for the protection of human rights. It 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
This course will introduce 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 placed on the foundational treaties, legal structure and instruments, case law, and process.

LAW 375 Units: 1.5  Hours: 3-0
Law, Constitutionalism and Cultural Difference
This course 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 constitutional 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
This course will develop a practical and theoretical understanding of the development and current state of international environmental law (IEL). It will treat IEL as a diverse form of regime-based global governance that embodies both regulations and a complex array of institutional arrangements. The course will provide a general background to the field, an understanding of diverse sectoral regimes, and a theoretical approach that can inform and crosscut these regimes.

LAW 378 Units: 1.5  Hours: 3-0
Advanced Legal Research and Writing
This course will build upon the research and writing skills learned in the first year. Students will explore a wide range of research sources, both legal and non-legal, including computer assisted legal research. Students will analyse 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 388 Units: 1-2
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 enrollment: 10.

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. In order to enrol in Law 390, a student must obtain (written) permission from 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: 1-2  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 full-time 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 enroll 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 enrollment in the course.

Note: May be taken more than once for credit to a maximum of 4 units with the permission of the Associate Dean.

LAW 399 Units: 1-4
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) if 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 28 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 See units. The course may be repeated for a total of four terms.

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.

Notes: - 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, deal communica-
tion, 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 Languages I
Provides instruction in a First Nations language at the introductory level.

Note: May be taken more than once for credit with approval of a faculty adviser. Except by permission of the Department, may be taken only by students in the DSTC program in Education. May not be counted towards a General, Major, or Honours program in Linguistics or Applied Linguistics, or towards a Diploma in Applied Linguistics.

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 the typical features that set them apart from other languages. Also considered are techniques for language study from written materials and with elders, and the revitalization of local languages.

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 will 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 given for only two of 200, 250, 251.

Prerequisites: 100A or registration in Diploma in Applied Linguistics.

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 or registration in Diploma in Applied Linguistics.

LING 259 Units: 1.5 Hours: 3-0
First Nations Languages II
Provides instruction in a First Nations language at the second-year level.

Note: May be taken more than once for credit with approval of a faculty adviser. Except by permission of the Department, may be taken only by students in the DSTC program in Education. May not be counted towards a General, Major, or Honours program in Linguistics or Applied Linguistics, or towards a Diploma in Applied Linguistics.

Prerequisites: 159.

LING 326 Units: 1.5 Hours: 3-0
Formerly: part of 226 and 426
Meaning in Language
Word (lexical) and compositional semantics. This course investigates topics in linguistic theories of meaning, including components of meaning, lexical relations (antonymy, hyponymy, synonymy), thematic relations (agent, patient, theme), tense, aspect, and model-theoretic compositional semantics.

Note: Credit will be granted for only one of 326, 226, 426.

Pre- or corequisites: 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 and 203.
LING 341  Units: 1.5  Hours: 3-0
Also: SLAV 341
Seminar in a Slavic Language
This course deals with 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.
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 approval of a faculty advisor. Except by permission of the department, may be taken only by students in the DSTC program in Education. May not be counted towards a General, Major, or Honours 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
This course examines 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, course design, and the use of classroom materials for language teaching. Active classroom observation is a required component of this course. This course contains an element of Practicum and is thus subject to the “Guidelines for Ethical Conduct” and “Regulations Concerning Practice” (page 131).
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. This course is subject to the “Guidelines for Ethical Conduct” and “Regulations Concerning Practice” (page 131).
Note: Registration is limited to Applied Linguistics students or by permission of the Department. Students with credit in 374 from before 2004-2005 must consult the instructor to arrange for second language classroom observation.
Prerequisites: 373.
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 indigenous 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: 3-0
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
This course expands on topics covered in Linguistics 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 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
Applied Language Usage: Pedagogical Considerations
Application of theory to classroom practice, including issues such as teaching the grammar of English, teaching writing/composition skills, orthographic vs. phonological representation, stylistic variation and cultural issues.
Prerequisites: 374.

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 eighteenth century. Topics will 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 include language and class, sex, 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.

Note: Credit will be granted for only one of 396, JAPA 396.

Also: JAPA 396
Sociolinguistic Issues in Japanese
An examination of 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 396, JAPA 396.

LING 396 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. Lectures, workshops and seminars help students develop appreciation of linguistic interactions, and skills necessary to eliminate the barriers created by linguistic and supra-linguistic misunderstandings.

LING 397 Units: 1.5 Hours: 3-0
Language and Gender
A study of the relationship between gender socialization and pragmatics of 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.

Prerequisites: None; 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. The course 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 instructor.

Prerequisites: Third-year standing.

LING 403 Units: 1.5 Hours: 3-0
Athabascan
An introduction to the linguistic structures of the Athabascan family of languages, one of the major language families of British Columbia. The course will offer a survey of Athabascan language structures, and will include discussion of oral and written literature and related cultural topics. Language revitalization among Athabascan language communities will be discussed.

Note: May be taken more than once for credit to a maximum of 3 units, with permission of the instructor.

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. The course 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 instructor.

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 can be granted for 409, and one of 407, 408.
- Students with credit in one of 407 or 408 require permission of the instructor.
- May be taken more than once for credit with permission of the instructor.

Prerequisites: 200 and 203; or 251 and 252.

LING 410A Units: 1.5 Hours: 3-0
Syntax
This course will emphasize syntactic analysis and argumentation in the description of the major structures of English using an extended phrase structure model.

Prerequisites: 200 and 203; or Diploma status; or 230, 251 and 252.

LING 410B Units: 1.5 Hours: 3-0
Theories of Grammar
Current issues in syntactic theory are examined from the perspective of contemporary syntactic models such as Government-Binding Theory, Head-Driven Phrase Structure Grammar, Categorial Grammar or Lexical-Functional Grammar.

Prerequisites: 410A.

LING 420 Units: 1.5 Hours: 3-0
Historical and Comparative Linguistics
An introduction to 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.

Note: Credit will be granted for only one of 482, 481.

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 440 Units: 1.5 Hours: 3-0
Generative Phonology
Description of sound systems using procedures and theoretical bases of generative phonology. It is 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, 251 or Diploma status.

LING 441 Units: 1.5 Hours: 3-0
Advanced Phonological Analysis
Surveys current issues in phonological theory with particular emphasis on non-linear phonology and lexical phonology. Topics selected from autosegmental phonology, segment structure and feature specification, syllable structure, stress assignment, cyclicity and domains of rule application, and the role of rules in a grammar.

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 6.50 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 with different topics to a maximum of 3 units, with permission of the Department.

Prerequisites: 200 and 203; or 230, 251 and 252.

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 prior approval of a faculty adviser. Except by permission of the Department, may be taken only by students in the DSTC program in Education. May not be counted towards a General, Major, or Honours program in Linguistics or Applied Linguistics, or towards a Diploma in Applied Linguistics.

Prerequisites: LING 359.

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 Native Languages.

Pre- or corequisites: 440 and 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 499**  
Units: 3  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 theHonours 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: 4-0  
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.  
**Note:** Credit will be granted for only one of 100, 102. See notes 1, 2, 3, and 4 on page 179.  
**Prerequisites:** Minimum grade of B in Principles of Mathematics 12 or equivalent, or passing score in Mathematics Placement Test, or 120.

**MATH 101**  
Units: 1.5  Hours: 3-0  
Calculus: II  
Volumes; arc length and surface area; techniques of integration with applications; polar coordinates and area; the Hospital’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 179.  
**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.  
**Note:** Credit will be granted for only one of 102, 100. See note 4 on page 179.  
**Prerequisites:** Principles of Mathematics 12 or equivalent, or 120.

**MATH 103**  
Units: 1.5  Hours: 3-0  
Formerly: part of 240  
Mathematics For Economics  
Elements of matrix algebra, partial derivatives, unconstrained and constrained optimization with economics examples, linear programming and the simplex method.  
**Note:** Not open for credit to students registered in or with credit in any of 133, 200, 202, 205, 233A, or 240.  
**Prerequisites:** 100 or 102.

**MATH 120**  
Units: 1.5  Hours: 4-0  
Formerly: MATH 012  
Prelcalculus Mathematics  
The essential topics prerequisite for Mathematics 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.  
**Note:** Not open for credit to students with credit in any of 012, 100 or 102. See note 4 on page 179. Not intended for students who are proficient with the topics covered in Principles of Mathematics 12.  
**Prerequisites:** Principles of Mathematics 11 or equivalent.

**MATH 122**  
Units: 1.5  Hours: 3-0  
Formerly: 224  
Logic and Foundations  
Basic set theory; counting; solution to recurrence relations; logic and quantifiers; properties of integers; mathematical induction; asymptotic notation; introduction to graphs and trees.  
**Note:** 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.  
**Prerequisites:** 100 or 102 or 151 or permission of the Department.

**MATH 133**  
Units: 1.5  Hours: 3-0-1  
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 133, 110, 233A.  
**Prerequisites:** Admission to BEng or BSENG program.

**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, urn problems, tree diagrams and Bayes formula, random variables and their probability distributions, Bernoulli trials and the binomial distribution, hypergeometric distribution, expectation, applications of discrete probability and Markov chains.  
**Note:** Not open for credit to students with credit in 352.  
**Prerequisites:** Principles of Mathematics 11 or equivalent.

**MATH 160 A**  
Units: 1.5  Hours: 3-0  
Formerly: half of 160  
Mathematics For the Elementary Teacher: I  
Problem solving; sets and functions; notation; whole number operations and algorithms; number theory; the integer, rational and real number systems.  
**Notes:** - Credit will be granted for only one of 160A, 160B. Not open for credit to students who have 3 or more units of credit in mathematics courses numbered 100 or higher, excluding 120.  
**Prerequisites:** Principles of Mathematics 11 or equivalent, or permission of the Department.

**MATH 160 B**  
Units: 1.5  Hours: 3-0  
Formerly: half of 160  
Mathematics For the Elementary Teacher: II  
Probability; statistics; geometry; measurement; congruence and similarity; transformations.  
**Notes:** - Credit will be granted for only one of 160B, 162. Not open for credit to students who have 3 or more units of credit in mathematics courses numbered 100 or higher, excluding 120.  
- Intended for prospective Elementary Education students.  
- Normally 160A is taken before 160B.

**MATH 199**  
Units: 1.5  Hours: 3-0  
Problem Solving Seminar  
A seminar on solving non-routine challenging mathematical problems that require insight rather than advanced knowledge. Course also aims to develop skills in writing coherent mathematical arguments. Strongly recommended to students who wish to participate in Putnam Mathematics Competition.  
**Prerequisites:** Permission of the instructor.

**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 given for only one of 200, 202, 205. If all of 202, 200, and 201 are taken, credit will be given for only 200 and 201.  
**Prerequisites:** 101.

**MATH 201**  
Units: 1.5  Hours: 3-0-1  
Introduction to Differential Equations  
First order equations; solutions for second order equations and 2-dimensional systems of linear equations with constant coefficients; elementary qualitative methods for nonlinear systems; numerical Euler and Runge-Kutta methods; computer methods; Laplace transform; applications to the physical, biological and social sciences.  
**Note:** Credit will be given for only one of 201, 202. If all of 202, 200, and 201 are taken, credit will be given for only 200 and 201.  
**Prerequisites:** 101.

**MATH 202**  
Units: 1.5  Hours: 3-0-1  
Intermediate Calculus For Computer Science  
Vectors, curves, and surfaces in space; partial differentiation; directional derivatives and the gradient vector; Taylor’s Theorem for a function of two variables; first order equations; solutions for second order equations and 2-dimensional systems of linear equations with constant coefficients; elementary qualitative methods for nonlinear systems; numerical Euler and Runge-Kutta methods; computer methods; Laplace transform; applications to the physical, biological and social sciences.  
**Note:** Credit will be given for only one of 201, 202. If all of 202, 200, and 201 are taken, credit will be given 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 of several variables, multivariable differential calculus, multiple integrals.  
**Note:** Credit will be granted for only one of 205, 200, 202.
Prerequisites: 101.

MATH 222 Units: 1.5 Hours: 3-0
Formerly: 32A
Discrete and Combinatorial Mathematics
Combinatorial arguments and proofs; deriving recurrence relations; generating functions; inclusion-exclusion; functions and relations; countable and uncountable sets; graphs.
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 233A Units: 1.5 Hours: 3-0
Matrix Algebra: 1
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 233A, 110, 133.
Prerequisites: 3 units of 100-level mathematics courses; or a minimum grade of A in Mathematics 12 or equivalent.

MATH 233C Units: 1.5 Hours: 3-0
Introduction to Algebra
The integers, induction, factorization, congruences. Definition and examples of rings, fields and integral domains. Rational numbers, real numbers, complex numbers. Polynomials and their factorization; Permutations; definition and examples of groups. Additional topics chosen from Boolean algebras and lattices; transfinite arithmetic.
Note: Intended primarily for Mathematics students.
Prerequisites: 122.

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 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 122 and 233A, or 151 and 233A, or permission of the Department.

MATH 323 Units: 1.5 Hours: 3-0
Formerly: 323A
Applied Differential Equations
Power series solutions near regular and singular points; Frobenius method; Euler, Bessel and Legendre equations; numerical methods for equations and systems; qualitative methods for linear and nonlinear systems; applications to the physical, biological and social sciences.
Note: Credit will be given for only one of 323, 323A, 325.
Prerequisites: 200 or 205; 201.

MATH 325 Units: 1.5 Hours: 3-0
Intermediate Ordinary Differential Equations
Elementary stability and bifurcation theory for ordinary differential equations and for two dimensional systems in the plane, on cylinders and tori; periodic orbits; Poincaré-Bendixson theorem; stable, unstable, and centre manifolds for equilibria; Hopf bifurcation; van der Pol and Duffing equations; power series solutions near regular and singular points; Frobenius method; Euler, Bessel, and Legendre equations.
Note: Credit will be given for only one of 325, 323, 323A.
Prerequisites: 200, 201, 233A or equivalent.
Corequisites: 330A or 334.

MATH 326 Units: 1.5 Hours: 3-0
Introduction to Partial Differential Equations
Partial differential equations in physics (wave, heat and Laplace equations), solution by separation of variables, boundary value problems, orthogonal functions, Fourier series, transform methods (Laplace and Fourier transforms), numerical methods.
Note: Credit will be granted for only one of 326, 323B.
Prerequisites: 323, 323A, or 325.

MATH 330A Units: 1.5 Hours: 3-0
Advanced Calculus
Sequences and series of real numbers; sequences and series of real valued functions; uniform convergence; Fourier series; differentiation and integration of series of real valued functions; power series; Taylor series; Taylor's formula with remainder; multivariable calculus; implicit function, Stokes and divergence theorems.
Note: Not open for credit to students registered in or with credit in 334.
Prerequisites: 200 or 205.

MATH 330B Units: 1.5 Hours: 3-0
Introduction to 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 330B, 338, 438.
Prerequisites: 330A or 334.

MATH 333A Units: 1.5 Hours: 3-0
Abstract Algebra: 1
Groups, rings and fields, including quotient structures.
Prerequisites: 233C or permission of the Department.

MATH 333C Units: 1.5 Hours: 3-0
Linear Algebra
Vector spaces and linear transformations; the canonical forms; inner product spaces and the spectral theorem.
Prerequisites: 233C, or 233A (or 133) and permission of the Department.

MATH 334 Units: 1.5 Hours: 3-0
Foundations of Analysis
Sets and functions, the real number system, set equivalence, sequences and series, introduction to point set and metric topology, limits and continuity in metric spaces.
Note: Credit will be granted for only one of 334, 430. Primarily for Honours students.
Prerequisites: 200 and 201 and the permission of the Department.

MATH 352 Units: 1.5 Hours: 3-0
Introduction to Probability
Probability spaces, combinatorial analysis, conditional probability, independence, inclusion-exclusion, random variables, expectation, discrete and continuous distributions, limit theorems.
Prerequisites: 200 or 205.

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: 3 units of 200-level courses offered by the Department of Mathematics and Statistics.

MATH 368A Units: 1.5 Hours: 3-0
Euclidean Geometry
The real affine and projective planes; Euclidean geometry; modern elementary geometry; elementary transformations; Euclidean constructions; the fundamental theorem of polygonal dissection; projectivities; proper conics.
Note: Credit will be granted for only one of 368A, 366.
Prerequisites: At least 6 units of Mathematics or permission of the Department.

MATH 368B Units: 1.5 Hours: 3-0
Non-Euclidean Geometry
The parallel postulate; hyperbolic geometry; elliptic geometry; double elliptic geometry; the Poincaré model.
Prerequisites: At least 6 units of Mathematics or permission of the Department.

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, 233A, and one of STAT 250, 254, 255, 256.

MATH 399 Units: 1.5 Hours: 3-0
Advanced Problem Solving Seminar
Continuation of 199 with more advanced problems. Strongly recommended to students who wish to participate in Putnam Mathematics Competition.
Prerequisites: 199 and permission of the instructor.

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: 333A or 362 or 368A or permission of the Department.

MATH 422 Units: 1.5 Hours: 3-0
Combinatorial Mathematics
Prerequisites: 222 and 233C and at least 1.5 units of 300-level mathematics courses, or permission of the Department.
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 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.

**Prerequisites:** 330A or 334, and permission of the instructor.

**MATH 490**

**Units:** 1.5 or 3

**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 Chair of the Department.

**MATH 491A**

**Units:** 1.5  
**Hours:** 3-0

**Introduction to Music Education**

Covers advanced topics in areas of applied mathematics. Possible topics include population modeling, neural networks, stochastic processes, discrete optimization, actuarial mathematics, calculus of variations, and fluid mechanics. Information on the topics available in any given year will be available from the Chair of the Department.

**Note:** Entry to this course will be restricted to third or fourth-year students who meet the prerequisite specified for the topic to be offered. May be taken more than once in different topics with permission of the Chair of the Department. Topics to be determined.

**MATH 491B**

**Units:** 1.5  
**Hours:** 3-0

**Topics in Pure Mathematics**

Through this course the Department offers advanced topics in various areas of applied mathematics. Possible topics include population modeling, neural networks, stochastic processes, discrete optimization, actuarial mathematics, calculus of variations, and fluid mechanics. Information on the topics available in any given year will be available from the Chair of the Department.

**Note:** Entry to this course will be restricted to third or fourth-year students who meet the prerequisite specified for the topic to be offered. May be taken more than once in different topics with permission of the Chair of the Department. Topics to be determined.

**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 B. Mus. in Secondary Music Education or a B. Ed. with a teaching area in secondary music education.

**ME 201**

**Units:** 1.5  
**Hours:** 3-0

**Music Education Seminar:**

A study of the foundations of music education for secondary schools. School experience will be required.

**Pre- or corequisites:** 101.

**ME 205**

**Units:** 1.5  
**Hours:** 3-0

**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 205 and 105, MUS 101A, MUS 101B, MUS 102A, MUS 102B. Students with exceptionally strong music backgrounds may not be required to take this course.

**ME 206**

**Units:** 1.5  
**Hours:** 3-0

**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 208**

**Units:** 1.5  
**Hours:** 1.5-1.5

**Studio Music 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.

**ME 216**

**Units:** 2  
**Hours:** 2-1

**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:** 1-2

**Choral Techniques**

Practical choral techniques and literature for elementary schools conducting and methodology. A piano component may be included.

**ME 220**

**Units:** 1  
**Hours:** 1-1

**Instrumental Jazz:**

Expanding the skills and knowledge acquired in 206. Additional instrumental jazz techniques are presented through performance, beginning improvisation, and listening.

**ME 433D**

**Units:** 1.5  
**Hours:** 3-0

**Introduction to the branch of probability theory which deals with the mathematical analysis of systems that evolve in time while undergoing chance fluctuations.
### MECH 220 - Mechanics of Solids: 1

Prerequisites: 241 or 141, and MATH 200 which may be taken concurrently.

### MECH 240 - Units: 1.5  
Hours: 3-0-1

**Thermodynamics**
Thermodynamic systems, balance laws, properties and behavior of substances, work and heat, simple steady flow devices, heat engines, refrigerators, heat pumps, Carnot cycle, the second law, entropy, and its balance, reversible and irreversible processes, some simple thermodynamic cycles.

Note: Credit will be granted for only one of 240, 340.

Prerequisites: MATH 101.

### MECH 241 - Units: 1.5

**Statics**
Review of vector algebra. Forces, moments of forces, couples, resultants of force systems; distributed loads; hydrostatics; conditions of equilibrium and application to particles and rigid bodies; analysis of statically determinate structures including beams, trusses and arches; bending moment and shear force diagrams; dry friction problems; principles of virtual work; potential energy; stable and unstable equilibrium.

Note: This course was offered for the last time in September 2001.

### MECH 242 - Units: 1.5

**Dynamics**
Cartesian, normal-tangential and polar components of velocity and acceleration, in two and three dimensions; rotating frames; force/acceleration, impulse/momentum; energy methods; conservative and non-conservative systems; systems of particles, systems of streams of particles and rigid bodies; introduction to three-dimensional problems of particle and rigid body dynamics.

Prerequisites: 241 or 141, and MATH 101.

### MECH 245 - Units: 1.5

**Engineering Fundamentals: 1**
Resultant of force systems, equilibrium of particles and rigid bodies; centroids and centre of gravity, friction, virtual work and potential energy based methods; moments of inertia; kinematics of particles and rigid bodies; force and acceleration; work and energy; impulse and momentum for particles.

Notes: - Credit will be granted for only one of 245; ENGR 245.
- This course was offered for the last time in September 2001.

Prerequisites: MATH 101.

### MECH 285 - Units: 1.5

**Properties of Engineering Materials**
Atomic structure, arrangement and movement; equilibrium microstructural development and heat treatment; physical properties of ferrous and nonferrous metals, ceramics, polymers and composites; corrosion and mechanical testing.

* Indicates a 3 hour laboratory taken by students on alternate weeks.

Prerequisites: CHEM 150, or 101 and 102, or 140 and 102.
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: 3-3*-1
Mechanics of Solids: II
Theory of stress and infinitesimal strain in three dimensions, equilibrium equations, stress-strain-temperature relations for isotropic elastic solids, statically indeterminate structures. Castigliano's theorems, thick-walled cylinders and spherical shells, torsion of prismatic bars, curved beams, introduction to plate theory, limits of elasticity, creep.
* Indicates a 3 hour laboratory taken by students on alternate weeks. Credit will not be given for both 355 and 260.
Prerequisites: 280.

MECH 330 Units: 1.5 Hours: 3-3*-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, matrix 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. Not open to students with credit in 280.
Prerequisites: 220.

MECH 335 Units: 1.5 Hours: 3-1-1
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: 3-3*-1
Mechanics of Fluids: I
* Indicates a 3 hour laboratory taken by students on alternate weeks. 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
Engineering Design: II
Design concepts; factors of safety; reliability; codes and standards. Design properties of engineering materials; strength and cold work; creep; impact properties; temperature effects; notch sensitivity; fatigue. Design of mechanical components; fasteners; welded joints; stress concentrations; mechanical springs; bearings; lubrication; clutches and brakes; shafts and axles; gearing.
Prerequisites: 220.

MECH 390 Units: 1.5 Hours: 3-3*-1
Energy Conversion
Thermal power generation, vapor and gas cycles, refrigeration and heat pumps, non reacting gas mixtures and psychrometrics, reacting mixtures, combustion, and electro-chemical energy conversion. Exergy (ability to produce work) and second law analysis.
* Indicates a 3 hour laboratory taken by students on alternate weeks.
Prerequisites: 240.

MECH 392 Units: 1.5 Hours: 3-3*-1
Mechanics of Fluids: II
* Indicates a 3 hour laboratory taken by students on alternate weeks.
Prerequisites: 240 and 345.

MECH 395 Units: 1.5 Hours: 3-3*-1
Heat and Mass Transfer
* Indicates a 3 hour laboratory taken by students on alternate weeks.
Pre- or corequisites: 392.

MECH 400 Units: 1.5 Hours: 2-0-2
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 and 360.

MECH 405 Units: 1.5 Hours: 3-3*-1
Introduction to Microprocessors
Computer structure and organization; number systems and codes; assembler language; introduction to microprocessors and their application in instrumentation, manufacturing, control and automation.
* Indicates a 3 hour laboratory taken by students on alternate weeks. Credit will not be given for both 355 and 405.
Prerequisites: CSC 160 or 115.

MECH 410 Units: 1.5 Hours: 3-3*-1
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 surfaces. Graphical programming languages, and development of interactive 3-D 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, and 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.
Pre- or corequisites: CSC 349A.

MECH 420 Units: 1.5 Hours: 3-1
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 and 395.

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: 286.

MECH 425 Units: 1.5 Hours: 3-1
Engineering Optimization and Applications
One-dimensional optimization techniques based on region elimination, polynomial approximation, and deviations. Multiple variable optimization techniques, including direct search methods and gradient-based methods. Constrained optimization based on the penalty, feasible direction, reduced gradient, and gradient projection. Introduction to linear programming, integer programming, and quadratic programming. Applications of numerical optimization to solve typical mechanical design, manufacturing, planning and control problems.
Prerequisites: CSC 349A.
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 435 Units: 1.5 Hours: 3-3*-1
Formerly: MECH 380
Automatic Control Engineering
Modeling 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).
* Indicates a 3 hour laboratory taken by students on alternate weeks. Credit will not be given for both 380 and 435.
Prerequisites: 330.

MECH 440 Units: 1.5 Hours: 3-0
Introduction to Water Wave Phenomena
Basic equations and approximation; equations of motion and energy balance. Solution for “small” waves, including linear theory. Applications: waves on currents, ship waves, refraction problems. Other topics include: waves in shallow water, infinitely deep water, waves on beaches, hydraulic jumps.
Prerequisites: 392.

MECH 443 Units: 1.5 Hours: 3-0
Advanced Thermodynamics
Prerequisites: 390.

MECH 445 Units: 1.5 Hours: 3-0
Cryogenic Engineering
Prerequisites: 390.

MECH 447 Units: 1.5 Hours: 3-0
Energy Systems
Review of thermodynamic fundamentals. Energy analysis, energy system evolution and the barrier/attacker analysis method for identifying techno-economic opportunities/dangers. Specific technologies and analyses, for example, of fuel cell systems and the risks of anthropogenic climate disruption, are discussed. A major class project is assigned.
Prerequisites: 390.

MECH 449 Units: 1.5 Hours: 3-0
Fuel Cell Technology
Prerequisites: 240 and 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 Chair of the Department.
Prerequisites: Set by Department depending upon topic.

MECH 455 Units: 1.5 Hours: 3-3*-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.
* Indicates a 3 hour laboratory taken by students on alternate weeks.
Prerequisites: ELEC 365.

MECH 460 Units: 1.5 Hours: 3-3*-1
Computer Aided Manufacture
Introduction to manufacturing operations, features of numerically controlled machine tools and types of CNC programming. Manual part programming with G-codes; canned cycles, subprograms, custom macros, simulation program. 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; reverse engineering of curved surface models.
* 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 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.

MECH 466 Units: 1.5 Hours: 3-1
Microelectromechanical Systems
Introduction to microelectromechanical systems (MEMS), principles of MEMS design and fabrication, MEMS materials, fundamental MEMS microstructures, microtransducers and microactuators, MEMS-based sensors, packaging, assembly and testing. The course introduces basic concepts of microactuation and microtransduction principles, scaling factors and material issues. Microfabrication, mechanical, electrical, fluidic, thermal and optical characteristics of the fundamental microsystems are covered. Various groups of MEMS devices and their fabrication and packaging are discussed, including case studies based on real products.
Prerequisites: 486.

MECH 471 Units: 1.5 Hours: 3-0
Fracture, Fatigue and Mechanical Reliability
Prerequisites: 320.

MECH 473 Units: 1.5 Hours: 3-0
Ferrous and Non-ferrous Metals
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 specialty steels; welding; tool and stainless steels; cast irons; superalloys; copper, aluminium, magnesium and titanium alloys; metal matrix composites.
Prerequisites: 268.

MECH 475 Units: 1.5 Hours: 3-1
Mechanics of Flight
Prerequisites: 242 and 392.

MECH 485 Units: 1.5 Hours: 3-0
Mechanism and Manipulator Synthesis
Prerequisites: 335.

MECH 486 Units: 1.5 Hours: 3-1
Sensors and Actuators for Mechatronic Systems
Fundamental principles, modeling and design of electromechanical sensors and actuators based on pneumatics, electromagnetics and multifunctional materials. Examples of commercially available electromechanical sensors and actuators used in a wide range of mechatronic systems.
Prerequisites: PHYS 216 or ELEC 216.
MECH 492 Units: 1.5 Hours: 3-0
Introduction to Transport Phenomena
Prerequisites: 392 and 395.

MECH 493 Units: 1.5 Hours: 3-0-0
Design of Thermo-Fluid Systems
This is an advanced design course in thermofluid systems. Groups of three or four students select project topics that involve the design of thermofluid 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 and 395.

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: 392 and 395.

MECH 499 Units: 1.5 Hours: 0-6
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: This course may be taken only once.
Prerequisites: Approval of the Department.

MEDICI Medieval Studies

MEDICI 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. In this course a selection of medieval texts will be studied in English translation.
Note: May be taken more than once for credit in different topics to a maximum of 3 units.

MEDICI 301 Units: 1.5 Hours: 3-0
The Middle Ages: An interdisciplinary introduction to the Middle Ages. The origins of medieval civilization and the development of its characteristic institutions until about A.D. 1200 will be examined through a study of the art, society, and history of Europe in this period. Comparable developments in the East will also be considered.

MEDICI 302 Units: 1.5 Hours: 3-0
The Middle Ages II: An interdisciplinary introduction to the later Middle Ages. The flowering and dissolution of medieval culture between about A.D. 1200 and 1500 will be explored in the art, thought, and history of Europe during these centuries.
Note: HIST 236 suggested.
Prerequisites: Second-year standing or permission of the Director of Medieval Studies.

MEDICI 350 Units: 1.5 Also: LATI 350
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 twelfth 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.

MEDICI 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: Knights and Ladies in the Middle Ages
Note: May be taken more than once in different topics for a maximum of 6 units.
Prerequisites: Second-year standing or permission of the Director of Medieval Studies.

MEDICI 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.
S01: Death and Dying in the Middle Ages
S02: French Medieval Women
Note: May be taken more than once for credit in different topics to a maximum of 6 units. 301 and 302 suggested.
Prerequisites: Second-year standing or permission of the Director of Medieval Studies.

MEDICI 441 Units: 1.5 Hours: 3-0
Medieval Arthurian Romance (in English)
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. Students enrolled in MEDICI 441 must submit all written assignments in English; students enrolled in FREN 441 must submit all written assignments in French.
Note: Credit will be granted for only one of 441, FREN 441.

MEDICI 451 Units: 1.5 Hours: 3-0
The Medievals and the Written Word
A survey of the historical development of medieval manuscripts and the methods medievalists use in studying them. An introduction to paleography (the history of scripts), codicology (the archaeological study of manuscript codices), and diplomatics (the study of medieval documents), and questions relating to the transmission of texts through manuscripts.

Note: HIST 236 suggested.
Prerequisites: Second-year standing or permission of the Director of Medieval Studies.

Other topics include: the processes of manuscript production, monastic scriptoria, medieval chanceries, the medieval book trade, literacy, and medieval libraries.
Notes: - Credit will be granted for only one of 451, 450.
- May be accepted in the Department of History as a European History course, subject to the limitations set forth in the History Department degree regulations and when taught by a member of that Department.
Prerequisites: Third-year standing or permission of the instructor.

MEDICI 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.
Topic: Making the Medieval Manuscript
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 instructor.

MEDICI 490 Units: 1.5 or 3
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 Director of Medieval Studies.

MEST Mediterranean Studies
Department of Hispanic and Italian Studies
Faculty of Humanities

MEST 300 Units: .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.”
Topic: TBA
Note: Consists of 3 modules of 4 weeks each and each worth 0.5 units. 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 Department permission before enrolling.
Prerequisites: Second-year standing.

MEST 308 Units: .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 and each worth 0.5 units. 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 Department permission before enrolling.

Prerequisites: Second-year standing.

MEST 310 Units: .5 per module Hours: 3-0
The Portrait 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 Father/families," "Portrayals of Childhood," "The Church Family," "The Family and Beyond." 

Note: Consists of 3 modules of 4 weeks each and each worth 0.5 units. 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 Department permission before enrolling.

Prerequisites: Second-year standing.

MICR

Microbiology
Department of Biochemistry and Microbiology
Faculty of Science

MICR 200 Units: 3 Hours: 2-2
Introductory Microbiology
A broad introduction to the field of microbiology. Basic principles of prokaryotic cell structure and function; physiology and growth of microorganisms with an emphasis on diversity; virology; microbial genetics; immunology; medical microbiology; applied microbiology; microbial ecology.

Prerequisites: Second-year standing or permission of the Department.

MICR 301 Units: 1.5 Hours: 2-3
Microbial Pathogenesis
Bacterial pathogens; emphasis on molecular mechanisms of pathogenesis including antigenic variation, host cell parasitism, evasion of host immune defenses, and mimics of eukaryotic structures.

Prerequisites: 302.

Pre- or co-requisites: BIOC 300A and 300B, or 300; or permission of the Department.

MICR 302 Units: 1.5 Hours: 2-3-1
Molecular Microbial Physiology
Experimental approaches to solving basic cell biological problems using microbial models. Regulation of cell growth, macromolecular synthesis, and the cell cycle; global regulatory systems; cellular differentiation; bacteria as multicellular organizations.

Prerequisites: 200.

Pre- or co-requisites: BIOC 300A and 300B, or 300; 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: 200; BIOC 300A and 300B, or 300; or permission of the Department.

MICR 403 Units: 1.5 Hours: 3-0
Immunology
The generation of antibody diversity; immune effector mechanisms and their regulation; immunological principles as applied to research and medicine. The course consists of lectures with oral and written presentations by the students on selected topics. Attendance at seminars given by visiting speakers will be required.

Prerequisites: 200; BIOC 300A and 300B, or 300.

MICR 405 Units: 1.5 Hours: 3-0
Molecular Biotechnology
Recent advances in the molecular basis for biotechnology. Principles of genetic engineering; development of animal health products such as pharmaceuticals, vaccines, and diagnostic reagents; applications in agriculture, forestry and bioremediation processes.

Note: Credit will be granted for only one of MICR 405, BIOC 405.

Prerequisites: 200; BIOC 300A and 300B, or 300.

MICR 406 Units: 3 Hours: 0-5
Advanced Microbiology Laboratory
An advanced laboratory in microbial and molecular biological techniques.

Notes: - Credit will be granted for only one of MICR 406 and BIOC 406.
- Enrollment is limited by available equipment and facilities; admittance will be based on relative academic standing in 301, 302, and BIOC 300A and 300B, or 300.

Prerequisites: 301, 302; BIOC 300A and 300B, or 300, 301.

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 5.00 and 4th year standing in the BIOC/Micr program.

MICR 480 Units: 1.5 Hours: 2-0
Seminar
Seminars are presented weekly by invited speakers, Department members and all students in the fourth year of the Major and Honours programs. Students are required to submit two literature research papers of up to 3,000 words each as well as condensed abstracts and to deliver oral presentations. Attendance and participation in either BIOC 480 or MICR 480 is required of all students.

Note: Credit will be granted for only one of 480 and BIOC 480.

Prerequisites: 301, 302; BIOC 300A and 300B, or 300.

MICR 499 Units: 3
Undergraduate Thesis
Research under the direction of a faculty member. Open to Honours students only.

Note: Credit will be granted for only one of 499, BIOC 499.

MRNE

Marine Science
Department of Biology
Faculty of Science

MRNE 400 Units: 1.5 or 3
Directed Studies
A course of directed studies under the supervision of a member of faculty. The study will involve a research project approved by the supervisor in the field of

2005-06 UVIC CALENDAR

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
Special Topics in Marine Biology
This course will be 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 offered in Summer 2005.

Note: May be taken more than once for credit with permission of the Department.

MRNE 402 Units: 1.5
Special Topics in Marine Biology
This course will be 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 offered in Summer 2005.

Note: May be taken more than once for credit with permission of the Department.

MRNE 410 Units: 3
Marine Invertebrate Zoology
A survey of marine invertebrate phyla, with emphasis on the benthic fauna in the vicinity of the Bamfield Marine Station. The course 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
Biology of Fishes
Classification, physiology, ecology, behaviour and zoogeography of fishes with particular emphasis on those in the marine environment of the British Columbia coast. This course will involve some field projects.

Note: Credit will be granted for only one of 412, BIOL 335, BIOL 431A, BIOL 431.

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: Completion of core.

MRNE 420 Units: 3
Marine Phyology
A survey of the marine algae, with emphasis on the benthic forms in the vicinity of the Bamfield Marine Station. The course 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 man-altered environments.

Prerequisites: Completion of core.

MRNE 430 Units: 3
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 pro-
Seminars and Papers in Marine Science

Special Topics in Aquaculture

Principles of Aquaculture

Biology of Marine Mammals

Biology of Marine Birds

Marine Population Ecology and Dynamics

Introduction to Biological Oceanography

A weekly seminar covering current topics of interest to scientists and students.

MRNE 435: 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 offshore waters. The course will involve both field and laboratory studies of plankton organisms.

MRNE 437: Marine Population Ecology and Dynamics
An analytical approach to the study of marine ecology and marine populations and subtidal communities will be examined, with emphasis on the biota of the Barkley Sound region.

MRNE 440: 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.

MRNE 445: 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; the course includes lectures, laboratory periods and numerous field trips in the Barkley Sound region. The course will involve an independent field study.

MRNE 450: Principles of Aquaculture
An interdisciplinary introduction to the principles underlying the commercial cultivation of aquatic plants and animals emphasizing marine systems. The course will include working site-visits to a range of commercial farms and research and development facilities.

MUS 101A: Language of Music
The rudiments of music, musical notation and an introduction to strict counterpoint.

MUS 101B: Language of Music
An introduction to 101A, introducing harmonic concepts and practices.

MUS 105: Introduction to Composition
This course is 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.

MUS 111: 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.

MUS 115: 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.

MUS 120A: 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.

MUS 120B: History of Music: II
The development of Western music from circa 1580 to circa 1770.

MUS 141: Individual Tuition
Lessons in instrument or voice.

MUS 142: Lyric Diction
A study of the basic phonetics and accepted principles of lyric dictation of the most commonly used languages in concert and operatic repertoire: Italian, French, German, English. Emphasis on performance.

MUS 170: Chamber Music
Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera Ensemble, Big Band, Brass Choir, and Philomela Women’s Choir.

MUS 180: Ensembles
Large Ensembles including University Orchestra, University Wind Symphony, University Chorus and Chamber Singers.

MUS 181: Chamber Music
Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera Ensemble, Big Band, Brass Choir, and Philomela Women’s Choir.

MUS 188: Philomela Women’s Choir
Note: May be taken more than once for credit to a maximum of 4 units.

MUS 201A: Language of Music
The structural principles, harmonic and contrapuntal practices of tonal music of the late 18th century explored through analysis and composition.

MUS 201B: 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.

MUS 204: Music Composition For Nonmajors: I
Composition class for non-Majors.

Note: Attendance at the Master Class Seminar required.
MUS 205 Units: 3 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: Admission 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. The course will focus 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, this course is 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: 3-1
History of Music: III
The development of Western music from circa 1770 to circa 1880.
Note: Credit will not be granted for 220A and 110, 110B, 313A, 313B.

MUS 220B Units: 1.5 Hours: 3-1
History of Music: IV
The development of Western music from circa 1880 to present.
Note: Credit will be granted for only one of 220B, 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 Hours: 0-1
Individual Tuition
Lessons in instrument or voice.

MUS 245 Units: 4 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 270 Units: 1 Hours: 0-3
Basic Musicianship: II
A continuation of 170.
Note: All components must be completed in order to pass the course.
Corequisites: 201A and 201B.

MUS 280 Units: 1 Hours: 0-4
Ensembles
Large Ensembles including University Orchestra, University Wind Symphony, University Chorus and Chamber Singers.

MUS 281 Units: 1 Hours: 0-3
Chamber Music
Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera Ensemble, Big Band, Brass Choir, and Accompanying.

MUS 301A Units: 1.5 Hours: 3-0
Language of Music
Prerequisites: 101B and 220B, or permission of the School.

MUS 301B Units: 1.5 Hours: 3-0
Language of Music
Prerequisites: 301A or permission of the School.

MUS 304 Units: 2 Hours: 1-1
Music Composition For Nonmajors: II
Composition class for non-Majors.
Note: Attendance at the Master Class Seminar required.

MUS 305 Units: 3 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 205 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: Permission of the School.

MUS 307 Units: 1.5 Hours: 2-4
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: 306 and permission of the School.

MUS 308 Units: 1.5 Hours: 3-0
Popular Music and Society II
Continuation of 208. The topic of the course will vary in different years, and may include intensive study 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 to a maximum of 3 units. Not for credit in the BMus program.
Prerequisites: 208 or permission of the School.

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. Some topics may be eligible for credit in the BMus program. Students should consult the School.

MUS 310 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 to a maximum of 3 units.
Prerequisites: 120A or permission of the School.

MUS 315 Units: 1.5 Hours: 3-0
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 to a maximum of 3 units.
Prerequisites: 120A 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 to a maximum of 3 units.
Prerequisites: 120A or permission of the School.

MUS 322 Units: 1.5 or 3 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.
Prerequisites: 101B and 120A or permission of the School.

MUS 323 Units: 1.5 or 3 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.
Prerequisites: 101B and 120A or permission of the School.

MUS 324 Units: 1.5 or 3 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 325A 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.
Prerequisites: 101B and 120A or permission of the School.

MUS 325B Units: 1.5 Hours: 3-0
The History of Jazz
A continuation of 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
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: 2-2  Brasses
Group instruction in playing orchestral brass instruments.

MUS 332  Units: 1.5  Hours: 2-2  Woodwinds
Group instruction in playing orchestral woodwind instruments.

MUS 333  Units: 1.5  Hours: 2-2  Percussion
Group instruction in playing orchestral percussion instruments.

MUS 334  Units: 1.5  Hours: 2-2  Voice
Group instruction in vocal production.

MUS 335  Units: 1.5  Hours: 2-0  Singing For the Stage
Technical vocal instruction with application to theatre solos and ensembles. Course will include preparation for auditions using fully-staged material.

MUS 336  Units: 1.5  Hours: 1-2  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  Hours: 0-1  Individual Tuition
Lessons in instrument or voice.
Prerequisites: 240.

MUS 345  Units: 6  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 347  Units: 1.5  Hours: 0-3  Introduction to Improvisation
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.

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 356A  Units: 1.5  Hours: 2-1  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: 2-1  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.
Prerequisites: 240 or 245, or 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 and 120A or permission of the School.

MUS 380  Units: 1  Hours: 0-4  Ensembles
Large Ensembles including University Orchestra, University Wind Symphony, University Chorus and Chamber Singers.

MUS 381  Units: 1  Hours: 0-3  Chamber Music
Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera Ensemble, Big Band, Brass Choir, and Accompanying.

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.

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 music.
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  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  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.
Prerequisites: 305 or permission of the School.

MUS 407  Units: 3  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: 3-0
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 218B.

MUS 440 Units: 2 Hours: 0-1
Individual Tuition
Lessons in instrument or voice.
Note: This course may be taken a second time by students in a fifth year of study who have the permission of the Dean of Fine Arts. Such students may be required to participate in ensembles.
Prerequisites: 340.

MUS 445 Units: 6 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 448 Units: 1
Graduating Recital
Note: For Performance Majors only.
Prerequisites: 345.
Grading: INC, COM, N OR F

MUS 456A Units: 1.5 Hours: 2-1
Choral Conducting
Prerequisites: 356B or permission of the instructor.

MUS 456B Units: 1.5 Hours: 2-1
Instrumental Conducting
Prerequisites: 356B or permission of the instructor.

MUS 480 Ensembles
Large Ensembles including University Orchestra, University Wind Symphony, University Chorus and Chamber Singers.
Note: May be taken a second time by students in a fifth year of study who have the consent of the Dean of Fine Arts.

MUS 490 Units: 1.5 Hours: 0-3
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 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 401 Units: 1.5
Professional Growth III: Nursing Inquiry
In this course various modes of nursing inquiry are addressed. Relationships between practice, theory, and research are explored. Past and present contributions to nursing knowledge are discussed.
Prerequisites: 345.

NURS 410 Units: 1.5
Family Nursing
Building on existing knowledge of registered nurses, in this course students have the opportunity to develop an understanding of health-promoting family nursing. Four major domains are explored theoretically and experientially. These domains include: health, family, relational nursing practice and ethics.
Note: Credit will be granted for only one of 345, 350, 331.

NURS 430 Units: 3.0
Health IV: Health Promotion and Community Empowerment
This course focuses on community as client from a health-promotion perspective. The underlying principles of health promotion, including the social determinants of health participation, capacity, and empowerment, are emphasized. Community development as a pattern of community health-promotion practice is explored.
Prerequisites: Continuing Students: Health III. Post-diploma students: 345.
Corequisites: Post-diploma and Continuing Students: 350.

NURS 430 Units: 1.5
Health IV: Health Promotion and Community Empowerment
This course focuses on community as client from a health-promotion perspective. The underlying principles of health promotion, including the social determinants of health participation, capacity, and empowerment, are emphasized. Community development as a pattern of community health-promotion practice is explored.
Prerequisites: Continuing Students: Health III. Post-diploma students: 345.
Corequisites: Post-diploma and Continuing Students: 350.

NURS 430 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: Nursing Practice IV. Post-diploma students: 345.
Corequisites: Post-diploma and Continuing Students: 350.
Grading: COMF

NURS 430 Units: 1.5
Nursing Practice VII
This nursing practice experience provides opportunities for participants to engage in influencing change for the promotion of societal health within the Canadian health care system. The nursing practice experience focuses on the participant’s growth in their practice as a professional nurse. They have opportunities to collaborate with interdisciplinary and multi-sectoral groups.
Prerequisites: Continuing Students: 350, 351. Post-diploma students: 345, 350 and 351.
Corequisites: Post-diploma and Continuing Students: 430.
Grading: COMF

NURS 450 Units: 1.5
Nursing Management
This course is designed to provide an opportunity to explore concepts and issues in nursing management.
COURSE LISTINGS

The diverse and often conflicting roles of the nurse manager within the Canadian health care context will be examined. Knowledge and skills acquired through experience and/or other courses will serve as a basis for exploring the roles of today's nurse manager.

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 preceptorship. Attendance at course workshops is required.
Prerequisites: Students must normally complete all course work in Term 6 and NURS 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. A ten hour practicum is a required component of this course. Students must normally complete all course work in Term 7 and NURS 370 and 470.
Grading: COM/F

NURS 481A  Units: 1.5  Gender Issues in Mental Health
The purpose of this course is to facilitate indepth examination, understandings and meanings of the influences and effects of lived experiences of gender on individual health, healthcare professionals, health-care practices and healthcare organizations and systems.

NURS 481C  Units: 1.5  Nursing Practice in Hospice Palliative Care
The purpose of this course is to explore nursing practice in hospice palliative care. Historical, theoretical, personal, and cultural 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, you will be guided to practise with persons living their dying in ways that uphold human dignity and honour human uniqueness.

NURS 483  Units: 1.5  Teaching and Learning in Nursing Practice
The purpose of this course is to consider 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. The course focuses on pedagogical considerations involved in health promotion nursing practice. A ten hour practicum is a required component of this course.

NURS 484  Units: 1.5  Nursing with Aboriginal Peoples in Canada
This course is 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
This course is 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. The course 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
This course is designed to allow students to develop an understanding of the sources and sources of the law as it applies to the Canadian health care system. It 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. The course is also 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 Legal Issues in Health Informatics, HINF 491 Health Care Law.

NURS 488  Units: 1.5  Women's Health
The focus of this course is current women's health issues. Students have opportunities to critically explore 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. The course is taught in an interactive format through group discussion, presentations and the participation of guest speakers. The course 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  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: 1.5-4.5  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: Option A (CNP) students are required to take 4.5 units of 491. Option B (Post-diploma Program) students may take 491 more than once for credit to a maximum of 4.5 units.
Prerequisites: For Option A (CNP) students only: Completion of Term 7, NURS 370, 470 and 475 or permission of the Director or designate.
Grading: COM/F

NURS 493A  Units: 1.5  Community Health Nursing
The focus of this course is on 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 healthcare settings. The course 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 Director or designate.

NURS 493C  Units: 1.5  Lived Experience of Health in Aging
The emphasis of this course is on 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 Director or designate.

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 NURS 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 and 351.
Grading: COM/F
The Pacific Region, 1900 to the Present

This introductory course examines the political, economic, cultural, social, and demographic transformations of the Pacific Region from the beginning of the twentieth century to the present. Case studies from China, Japan, Southeast Asia, and Pacific Islands will be used to show the impact of these transformations on the livelihoods, roles, world views and statuses of men and women.

Note: Credit will be granted for only one of 210, 200, 200B.

PACI 210 Units: 1.5 Hours: 3-0

The Pacific Region, 1900 to the Present

This introductory course examines the political, economic, cultural, social, and demographic transformations of the Pacific Region from the beginning of the twentieth century to the present. Case studies from China, Japan, Southeast Asia, and Pacific Islands will be used to show the impact of these transformations on the livelihoods, roles, world views and statuses of men and women.

Note: Credit will be granted for only one of 210, 200, 200B.

PACI 210 Units: 1.5 Hours: 3-0

Popular Culture in Asia and the Pacific

An introduction to popular culture theory and to 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: May be taken more than once in different topics to a maximum of 3 units.

PACI 290 Units: 1.5 Hours: 3-0

 Formerly: 311

Introduction to Theory and Analysis in Pacific Studies

An introduction to a variety of theoretical perspectives applicable to the field of Pacific and Asian studies. Students are required to engage in critical analysis of selected problems in classroom presentations and papers. This course is required of all majors and should be taken in the first or second year.

Note: Credit will be granted for only one of 290, 311.

Prerequisites: PACI 210 (or 200A and 200B or 200).

PACI 319A Units: 1.5 Hours: 3-0

 Formerly: 319

Social Structure and Social Change in China

This course attempts to provide interpretations for the “development of underdevelopment” of China: the various structural, cultural as well as external barriers obstructing China’s various attempts to modernize and industrialize in the 19th and early 20th centuries. It also examines the counterculture of China in the form of secret societies and peasant movements which paved the way for the triumph of Mao in 1949.

Note: Credit will be granted for only one of 319A, 319.

Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311).

PACI 319B Units: 1.5 Hours: 3-0

 Formerly: 419

Modern Chinese Society

This course traces the various attempts by China at economic development and socialist transformation since 1949. Particular emphasis will be placed on the impact of these policies on village life and the response of rural inhabitants in China.

Note: Credit will be granted for only one of 319B, 419.

Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 319A.

PACI 321A Units: 1.5 Hours: 3-0

 Formerly: 321

Social Structure and Social Change in Japan

This course will concentrate upon the transformation of Japanese society from the early 19th century to the end of World War II, paying particular attention to the interlocking themes of economic development and political and social change.

Note: Credit will be granted for only one of 321A, 321.

Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311).

PACI 321B Units: 1.5 Hours: 3-0

 Formerly: 421

Modern Japanese Society

A consideration of Japan’s re-emergence as an industrialized nation in the post-war period and prospects for further development in view of the world energy crisis, environmental degradation, and other domestic and foreign problems. Emphasis will be upon the socio-political effects of Japan’s post-war economic transformation.

Note: Credit will be granted for only one of 321B, 421.

Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 321A.

PACI 323A Units: 1.5 Hours: 3-0

 Formerly: 323

Southeast Asia From 1800 to 1945

This course will focus on the transformation of Southeast Asia under the impact of Western imperialism from a multiplicity of political centers and circles of influence into nations with new structures and boundaries. It will focus on such themes as the nature of colonial rule, the introduction of capitalism, the rise of independence movements, and changes in rural society.

Note: Credit will be granted for only one of 323A, 323.

Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311).

PACI 323B Units: 1.5 Hours: 3-0

 Formerly: 423

Post-War Southeast Asia

This course will examine the post-war experiences of four Southeast Asian countries - Indonesia, Malaysia, the Philippines, and Vietnam. Major themes will be decolonization and the rise of independent states, the composition of elites, problems of liberal democracy, revolutionary movements, class and ethnic divisions, economic development, and the role of the military.

Note: Credit will be granted for only one of 323B, 423.

Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 323A.

PACI 325 Units: 1.5 Hours: 3-0

 Social and Economic Change in the Pacific Region

A study of theories of social and economic change, gender issues, sustainable development and the international division of labour. Case material will be drawn from Southeast Asia, Oceania and East Asia.

Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 323A.

PACI 326A Units: 1.5 Hours: 3-0

 Social Structure and Social Change in Oceania

A study of the 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 provide a basis to examine classical and current issues. The course develops and applies the methods of local-centred analysis and interactive models of social change, and the use of fieldwork and archival data.

Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), or permission of the instructor.

PACI 326B Units: 1.5 Hours: 3-0

Contemporary Oceania: Society and Politics

A study of political systems and social change in the Pacific Islands countries of Tonga, Fiji, Samoa, Cook Islands, French Polynesia, Vanuatu, Solomons and
**COURSE LISTINGS**

**Prerequisites:** PACI 210 (or 200A and 200B or 200), 290 (or 311), 328A or 328B, or permission of the instructor.

**PACI 414**  
Units: 1.5  
Hours: 3-0  
Seminar on Oceania  
A detailed analysis of theoretical questions on Oceania. A research paper with seminar presentation of results is required. Students may consult the instructor on specific topics.  
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 328A or 328B, or permission of the instructor.

**PACI 416**  
Units: 1.5  
Hours: 3-0  
Seminar on Culture in Asia and the Pacific  
A close examination of a contemporary cultural issue in the Asia Pacific such as globalization and culture, gender and sexuality, indigenous peoples, or culture and tradition. Consult the instructor for specific topic.  
Note: May be taken more than once for credit in different topics to a maximum of 3 units.  
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311).

**PACI 417**  
Units: 1.5  
Hours: 3-0  
Seminar in Taiwanese Studies  
An extensive study of selected major issues in 20th century Taiwan. Major themes will be problems of liberal democracy and revolutionary movements, evaluation of the "economic miracle," emergence of nationalism, and prospects for Sino-Taiwanese relations.  
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 319A, 319B.

**PACI 420**  
Units: 1.5  
Hours: 3-0  
Seminar on Social Continuity and Social Change in China  
This seminar will explore selected aspects of modern and pre-modern China, focusing on the theme of social continuity and change as China moves from a Confucian state, through the Nationalist period, to a socialist state. Oral presentations, written papers and participation in class discussion are required throughout the course.  
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 319A and 319B.

**PACI 422**  
Units: 1.5  
Hours: 3-0  
Seminar on Post-War Japan  
A close examination of a major issue on post-war Japan such as the Allied Occupation, the evolution of the labour movement, the post-war political economy, or Japan in the international division of labour. Consult instructor for specific topic.  
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 319A and 319B.

**PACI 440**  
Units: 1.5  
Hours: 3-0  
Women in Post-War Japan  
This seminar will deal with changes in women's rights and roles in Japan since 1945 with respect to the work force, constitutional and legal rights, education, political involvement, and the women's movement.  
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), 321A and 321B.

**PACI 442**  
Units: 1.5  
Hours: 3-0  
Also: GEOG 442  
Geography of Chinatowns and Chinese Migration  
The study of urban overseas Chinese communities in Pacific Rim countries. Includes migration theory, concepts of culture contact, assimilation and acculturation, urban ethnicity, home environment of Chinese emigrants, attitudes and policies of host society towards Chinese immigrants and imprints of Chinese culture on the urban landscape of the receiving country. Emphasis will be placed on the Chinese migration to Canada and the urban problems of Chinatowns.  
Note: Credit will be granted for only one of 442, GEOG 442.  
Prerequisites: Three-year standing in Pacific and Asian Studies, or one of GEOG 340, 340A, 340B, 343 or 363.

**PACI 443**  
Units: 1.5  
Hours: 3-0  
Asian Canadians and Their Homelands  
This seminar course will concentrate 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. It will also examine the process of chain migration, associated problems of brain drain and labour shortage, and the impact of Asian Canadians' remittances, investment, donations and returned visits on the development of their home communities.  
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), and fourth-year standing.

**PACI 481**  
Units: 1.5 or 3  
Formerly: 480  
Special Topics  
Offered either as a reading course, a tutorial or a seminar on Japan, China, Taiwan, Southeast Asia, or Oceania, for advanced students. Consult appropriate members of the Department about topics and requirements.  
Note: Students may obtain a maximum of 3 units for 480 and 481 in different topics on the same geographical area with the permission of the instructor and the Pacific Studies Program Adviser.  
Prerequisites: PACI 210 (or 200A and 200B or 200), 290 (or 311), and 3 units of 300- or 400-level courses in the geographical area on which the proposed project will focus.

**PACI 483**  
Units: 1.5  
Hours: 3-0  
Also: GEOG 483  
Formerly: GEOG 365 or 464B  
Political and Economic Geography of China  
This course consists of two parts. Part One examines the impacts of Western colonization on the economy of China, the search for new political and economic forms, and the structure of the Communist government. Part Two focuses on the economic policies and development of China after 1949, and a geographical study of selected administrative or economic regions.  
Note: Credit will be granted for only one of 483, GEOG 365, GEOG 464B, GEOG 483.  
Prerequisites: PACI 319A or PACI 319B, or GEOG 383.

**PACI 490A**  
Units: 1.5  
Hours: 3-0  
Formerly: half of 490  
Seminar on Research Problems and Theory  
Research problems and ongoing issues in theory. Topics may vary from year to year. Requirements: regular attendance, class participation, and writing a 5,000-word research paper under supervision of course convenor. Research proposals and final papers must be approved by a member of the Department acting as research adviser.  
Note: Credit will be granted for only one of 490A, 490.  
Prerequisites: 325, 390, or equivalent.

**PACI 490B**  
Units: 1.5  
Hours: 3-0  
Formerly: half of 490  
Seminar on Research Problems and Theory  
Continuation of 490A for Honours students. Writing and presentation of an Honours research essay of at least 10,000 words under supervision of course convenor. The Honours essay is normally an expansion of the 490A paper. Research proposal and final pa-

**PE 104**  
Units: 0.5  
Special Activity  
Intended for students pursuing degrees in Physical Education (BEd, BA and BSc). This course is designed to develop each participant’s level of performance, ability to analyze skills, and understanding of strategies or concepts.  
Notes: - With special permission, may be taken more than once for credit in a degree program. Maximum credit for activities in degree programs offered by the Faculty of Education is specified on page 58.  
- This course is scheduled for 24 hours of instruction. Students in Physical Education programs are expected to complete most of the required activity courses in the first two years.

**PE 105**  
Units: 0.5  
Swimming  
Intended for students pursuing degrees in Physical Education (BEd, BA and BSc). This course is designed to develop each participant’s level of performance, ability to analyze skills, and understanding of strategies or concepts.  
Notes: - Maximum credit for activities in degree programs offered by the Faculty of Education is specified on page 58.  
- This course is scheduled for 24 hours of instruction. Students in Physical Education programs are expected to complete most of the required activity courses in the first two years.

**PE 106**  
Units: 0.5  
Track and Field  
Intended for students pursuing degrees in Physical Education (BEd, BA and BSc). This course is designed to develop each participant’s level of performance, ability to analyze skills, and understanding of strategies or concepts.  
Notes: - Maximum credit for activities in degree programs offered by the Faculty of Education is specified on page 58.  
- This course is scheduled for 24 hours of instruction. Students in Physical Education programs are expected to complete most of the required activity courses in the first two years.

**PE 107**  
Units: 0.5  
Gymnastics: I  
Intended for students pursuing degrees in Physical Education (BEd, BA and BSc). This course is designed to develop each participant’s level of performance, ability to analyze skills, and understanding of strategies or concepts.  
Notes: - Maximum credit for activities in degree programs offered by the Faculty of Education is specified on page 58.  
- This course is scheduled for 24 hours of instruction. Students in Physical Education programs are expected to complete most of the required activity courses in the first two years.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>PE 109</td>
<td>0.5</td>
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<tr>
<td>Recreational Dance</td>
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<td>Intended for students pursuing degrees in Physical Education (BEd, BA and BSc). This course is designed to develop each participant’s level of performance, ability to analyze skills, and understanding of strategies or concepts. Notes: - Maximum credit for activities in degree programs offered by the Faculty of Education is specified on page 58. - This course is scheduled for 24 hours of instruction. Students in Physical Education programs are expected to complete most of the required activity courses in the first two years.</td>
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<tr>
<td>PE 113</td>
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<tr>
<td>Golf</td>
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<td>PE 114</td>
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<tr>
<td>Creative Dance</td>
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<tr>
<td>Badminton</td>
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<td>PE 117</td>
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<tr>
<td>Tennis</td>
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<tr>
<td>PE 119</td>
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<tr>
<td>Contemporary Dance</td>
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<td>PE 120</td>
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<tr>
<td>Basketball</td>
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<tr>
<td>Soccer</td>
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<td>PE 122</td>
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<tr>
<td>Volleyball</td>
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<td>PE 123</td>
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<tr>
<td>Rugby</td>
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<tr>
<td>PE 124</td>
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<tr>
<td>Field Hockey</td>
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<tr>
<td>PE 125</td>
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<tr>
<td>Softball</td>
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<tr>
<td>PE 126</td>
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<tr>
<td>Orienteering</td>
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<td>PE 127</td>
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<td>Canoeing</td>
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<td>PE 133</td>
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<tr>
<td>Strength Training</td>
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<td>Intended for students pursuing degrees in Physical Education (BEd, BA and BSc). This course is designed to develop each participant’s level of performance, ability to analyze skills, and understanding of strategies or concepts. Notes: - Credit will be granted for only one of 133, 104 Special Activity: Strength Training. Maximum credit for activities in degree programs offered by the Faculty of Education is specified on page 58. - This course is scheduled for 24 hours of instruction. Students in Physical Education programs are expected to complete most of the required activity courses in the first two years.</td>
</tr>
</tbody>
</table>
**PE 134 Yoga**  
Units: 0.5  
Hours: 2-0  
Intended for students pursuing degrees in Physical Education (BEd, BA and BSc). This course is designed to develop each participant’s level of performance, ability to analyze skills, and understanding of strategies or concepts.  
**Notes:** Credit will be granted for only one of 134, 104 Special Activity: Yoga. Maximum credit for activities in degree programs offered by the Faculty of Education is specified on page 58.  
- This course is scheduled for 24 hours of instruction. Students in Physical Education programs are expected to complete most of the required activity courses in the first two years.

**PE 135 Karate**  
Units: 0.5  
Intended for students pursuing degrees in Physical Education (BEd, BA and BSc). This course is designed to develop each participant’s level of performance, ability to analyze skills, and understanding of strategies or concepts.  
**Notes:** With special permission, may be taken more than once for credit in a degree program. Maximum credit for activities in degree programs offered by the Faculty of Education is specified on page 58.  
- This course is scheduled for 24 hours of instruction. Students in Physical Education programs are expected to complete most of the required activity courses in the first two years.

**PE 141 Introductory Human Anatomy**  
Units: 1.5  
Hours: 3-2  
A lecture and laboratory format is used to introduce the student of human structure. This includes 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.

**PE 142 Human Wellness and Potential**  
Units: 1.5  
Hours: 3-0  
This course examines 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.

**PE 143 Scientific, Philosophic, Historical and Psychosociological Bases of Physical Activity**  
Units: 1.5  
Hours: 3-0  
This course discusses the relationship of physical activity to education, kinesiology, athletics, health, recreation, and leisure. The contributions made by the sciences of physiology, motor learning and bio-mechanics are discussed. Students gain an understanding of the historical, philosophical and psychosociological foundations of physical education and discuss a wide range of contemporary issues as they affect physical activity and active living.

**PE 144 Active Health**  
Units: 1.5  
Hours: 3-0  
This course will review health topics outlined in the BC Ministry of Education’s IRPs for Physical Education and Career and Personal Planning. The course will also focus on how physical education teachers can use student-centred learning approaches to encourage students to become active advocates for their own health. Topics will include Quality Daily Physical Education, Active Living, eating disorders, stress management, nutrition, and personal health planning.

**PE 155 Introduction to Human Cellular Physiology**  
Units: 1.5  
Hours: 3-0  
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.

**PE 241A Introduction to Human Systemic Physiology**  
Units: 1.5  
Hours: 3-2  
The study of the integrated functions of physiological systems with emphasis on the nervous, endocrine, muscular, cardiovascular and respiratory systems.

**PE 243 Foundations of Recreation and Leisure**  
Units: 1.5  
Hours: 3-0  
An introduction to the nature and scope of recreation; a consideration of past influences and future trends; the role of the recreational professional.

**PE 244 Canadian Recreation Delivery Systems**  
Units: 1.5  
Hours: 3-0  
An overview of the development and delivery of recreational programs in Canada. Canadian federal, provincial, municipal, private and volunteer agencies are described and analyzed.

**PE 245 Motor Learning**  
Units: 1.5  
Hours: 3-2  
An examination of phases of skill acquisition, transfer of training, training principles, retention of motor skills, and the influence of motivation on the acquisition and rehabilitation of movement.

**PE 252 Leadership Methods for Recreation**  
Units: 1.5  
Hours: 3-0  
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.

**PE 270 Foundations of Outdoor Recreation**  
Units: 1.5  
Hours: 3-0  
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.

**PE 304 Physical Education for General Classroom Teachers**  
Units: 2  
Hours: 2-1  
Formerly: EDUC 304  
This course is designed to assist prospective classroom teachers in developing the knowledge and instructional techniques necessary to plan and implement physical education programs for the elementary grades.  
**Note:** Credit will be granted for only one of 304, 247, EDUC 304.  
**Prerequisites:** Acceptance in the Bachelor of Education Elementary program.

**PE 341 Biomechanics**  
Units: 1.5  
Hours: 3-2  
The course reviews the fundamental physical and mechanical laws that control human movement and relates these laws to the techniques used in a variety of motor skills. This course teaches how optimal performances in motor skills are based on the best use of these laws.

**PE 342 History of Physical Education**  
Units: 1.5  
Hours: 3-0  
Interpretative study and analysis of physical education and sport through their historical development; current trends, social and cultural implications; relationship to education.

**PE 344 Care and Prevention of Athletic Injuries**  
Units: 1.5  
Hours: 2-1  
This course is designed as 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. This course also includes a 40-hour practical experience with a local sport team.

**PE 346 Motor Development and Physical Maturation**  
Units: 1.5  
Hours: 3-0  
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.

**PE 347 Sport in Society**  
Units: 1.5  
Hours: 3-0  
This course studies the historical use of sport as an expression of culture, ideology, and political philosophy. The course compares the way in which sport is used as a means of developing national pride and international prestige. It also considers how the commercialization of sport has made it a money-making vehicle for countries, cities, multi-national corporations, and television networks.

**PE 348 Psychology of Sport**  
Units: 1.5  
Hours: 3-2  
An examination of the current findings in psychological research into sport and physical activity with special attention to personality characteristics of the performer, motivation for performance, cohesiveness, and spectator behaviour.  
**Prerequisites:** PSYC 100A/B.
Exercise Prescription

Functional Anatomy

Services: II

Administration in Leisure and Health Related

Secondary

children, adults and special populations including

programs to enhance health and/or performance of

Principles of fitness and the development of exercise

and design, measurement issues, analysis and inter-

vating and maintaining of such facilities.

as they apply to leisure service, recreation, fitness

Study of the concepts and processes of management

PE 356

Principles of Facultative 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, reno-

vating and maintaining of such facilities.

Introduction to Research

An introduction of quantitative and qualitative

research approaches to disciplinary areas in the

School of Physical Education. Topics include methods

and design, measurement issues, analysis and inter-

pretation of literature and analytical procedures used

in research.

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 pro-

grams in a variety of settings; methods of evaluating

physiological adaptation to exercise using laboratory

and field experiences.

Prerequisites: PE 141 and PE 241B or equivalents.

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. The course will require a practical

coaching experience in a sport of the student's

choice.

Note: Credit will be granted for only one of 361, 463.

Grading: IP, letter grade

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, 442.

Prerequisites: 241B and 245.

PE 441

Exercise Physiology

The physiological adaptation of the human body to

acute and chronic exercise; nutrition for exercise and

recovery.

Prerequisites: 241A and B.

PE 443

Organization and Administration of Physical Education

Nature and function of administration; management

of equipment and facilities; organization and manage-

ment of programs of physical education and athletics;

survey of the organization in Canadian schools.

PE 444

Measurement and Evaluation in Physical Education

Use of laboratory and field tests in the assessment of

physical performance and physique. Test administra-

tion and interpretation of results.

Note: A background in physiology recommended.

PE 445

Developmental and Adaptive Physical Activity

This course examines physical education and recrea-

tion activities for atypical individuals. Methods of

assessing physical performance, adapting equipment

and facilities and applying programming techniques

will be explored. Field experience is required as part

of this course.

PE 447

Kinesiology Seminar and Practicum

A seminar addressing topics pertinent to the Kinesio-

logy field. The practicum will involve aspects of pro-

gram planning and, where possible, direct leadership

responsibilities.

Prerequisites: 253.

PE 449

Physical Parameters of Aging

An overview of the anatomical and physiological

changes associated with human aging. Relationships

between hypokinetic (inactivity induced) disease,

stress, and nutritional habits to aging and the merits

of various intervention strategies.

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 will 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 manage-

ment models in the not-for-profit, public and private

enterprise systems.

PE 452

Teaching Strategies for Games in Physical Education

Methods of teaching game activities to students in

secondary schools and related groups. Field experi-

ence is required as part of this course.

Note: Reserved for B.Ed. Secondary students in the

Physical Education teaching area.

PE 455

Nutrition for Exercise and Health

The study of nutrition in a Canadian context with

special emphasis on the application of nutritional

theory and practice for enhancing health, supporting

a physically active lifestyle and improving physical

performance.

Prerequisites: 241A and 241B.

PE 456

Occupational Ergonomics

The application of ergonomic principles to industrial

settings, work site job analysis, assessing biome-

chanical risk factors and the development of riskpre-

vention programs. Specific emphasis will be placed

on understanding the relevant Canadian occupational

health and safety legislation and ergonomic stan-

dards.

Prerequisites: 241B, 341 and 380.

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 B.Ed.

(Secondary Curriculum) program with Physical Edu-

cation 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.
### 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 instructor.

**PHIL 100**

**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 201**

**Units:** 1.5  
**Hours:** 3-0

**Applied Logic I**

The course is primarily concerned with the analysis of simple argument forms in natural language. Close attention is paid to the different uses of language in an argumentative context. There is a treatment of elementary principles of inductive logic, decision making, syllogistic reasoning, and informal fallacies.

**Note:** The course is designed as a first course in logic for students with little or no symbolic orientation; it may be taken before or after 203. 304 is recommended for science students.

#### Prerequisites:

- Credit in the related 100-level course.

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<tr>
<th>Course Code</th>
<th>Units</th>
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<td>PE 470</td>
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<td>PE 494</td>
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<td>PHIL 205</td>
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<td>PHIL 250</td>
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**Prerequisites:**

- Credit will not be granted for 220 and 222A, 222B.
- Credit will be granted for only one of 204, 287.
- Credit will be granted for only one of 205, 287.
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- Credit will be granted for only one of 205, 287.
- Credit will be granted for only one of 205, 287.
- Credit will be granted for only one of 205, 287.
- Consult annual Departmental Handbook for details in any given year.

#### Philosophy of the Social Sciences

**PHIL 223**

**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**

**Moral Problems of Contemporary Society**

An investigation of certain moral problems which might be called social problems as well. One or more of such topics as the following will be discussed: sexual relations, censorship, suicide, capital punishment, poverty, international hostilities. Differing moral positions concerning the issue(s) chosen will be identified, and their justifications sought out and examined. Students should consult the annual Departmental Handbook for a more specific description of the course for a given year.

**PHIL 236**

**Political Philosophy**

An introduction to problems in contemporary political philosophy. The course will examine such topics as justice, rights, equality, liberty, community, culture and political legitimacy from a variety of perspectives.

**PHIL 238**

**Philosophy in Literature**

The purpose of this course is to explore various philosophical theories and themes as these find expression in literature. In some years, the course 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**

**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.

**PHIL 240**

**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 knowledge? What moral issues arise in connection with the arts?

**PHIL 250**

**Knowledge and Reality**

An introductory investigation of issues in epistemology and metaphysics. Topics to be addressed will be drawn from the following list: the nature and definition of knowledge, skepticism, causality, possibility and necessity, universals, realism, space and time.
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 neurological 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 301 Units: 1.5 Hours: 3-0
Formerly: 421
Plato
A philosophical examination of one or more Platonic dialogues.

Note: Credit will be granted for only one of 301, 421. The content of the course 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. PHIL/GRS 379 and GRS 380 are both recommended as background for the course.

Prerequisites: 6 units of Philosophy, including 100, or permission of the instructor.

PHIL 303 Units: 1.5 Hours: 3-0
Formerly: 422
Aristotle
A study of one or more of the philosophical writings of Aristotle.

Note: Credit will be granted for only one of 303, 422. The content of the course 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. PHIL/GRS 379 and GRS 380 are both recommended as background for the course.

Prerequisites: 6 units of Philosophy, including 100, or permission of the instructor.

PHIL 304A Units: 1.5 Hours: 3-0
Theoretical Logic: I
Concerned with a treatment and justification of propositional 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 propositional logic, relating the syntactic theories and the semantic theories, developed. Topics include consistency, compactness, soundness, and completeness.

Note: Designed as a first course in logic for students with a symbolic orientation; it may also be taken following 201 and/or 203. Recommended for science students.

PHIL 304B Units: 1.5 Hours: 3-0
Theoretical Logic: II
A continuation of Philosophy 304A, concerned with quantification logic. Ideal formal languages developed, and their relationship to natural languages discussed. Syntactic and semantic theories will be formalized for the analysis of complex deductive arguments. The metatheory of quantification logic, relating the syntactic theories and the semantic theories, developed. Topics include consistency, compactness, soundness, completeness, and interolation.

Prerequisites: Philosophy 304A or permission of the instructor.

PHIL 305 Units: 3 Hours: 3-0
Formerly: 245
Medieval Philosophy
The purpose of this course is to give the student some insight into the depth and richness of the philosophical, religious and political thought of the middle ages, and to convey an appreciation of the complexity and sophistication of medieval intellectual endeavor. Since Western thought was heavily influenced by Islamic philosophies and by mystical speculations, a special section of the course will be devoted to the philosophy of Islam and its impact on the West, and another to an examination of medieval mysticism.

Note: Credit will be granted for only one of 305, 245.

Prerequisites: 100 or permission of the instructor.

PHIL 306 Units: 3 Hours: 3-0
The Rationalists
The main purpose of this course is to afford the student an in-depth study of the so-called "continental rationalists". To this purpose, the positions of representative figures will be examined in some detail and an attempt made to relate them to each other. Full emphasis will be placed on tracing the results to the rationalists' preoccupation with a priori necessary truths and the principle of sufficient reason vis-a-vis their theories of perception and knowledge.

Prerequisites: 6 units of Philosophy, including 100, or permission of the instructor.

PHIL 310 Units: 3 Hours: 3-0
The Empiricists and Kant
In the first term, a study of the major writings of Locke, Berkeley and Hume, with emphasis on metaphysics and epistemology. During the second term, an intensive study of Kant's epistemology and metaphysics, principally as presented in The Critique of Pure Reason.

Prerequisites: 6 units of Philosophy, including 100, or permission of the instructor.

PHIL 311 Units: 1.5 Hours: 3-0
Existential Thinkers
This course will focus 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 instructor.

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.

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.

Prerequisites: Second-year standing or professional qualification in Health Care e.g. RN, MD.

PHIL 332 Units: 1.5 Hours: 3-0
Also: ESS 334
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.

Prerequisites: Third or fourth-year standing, or permission of the instructor.

PHIL 335 Units: 3 Hours: 3-0
Formerly: 302
Moral Philosophy
An inquiry into the foundation of moral reasoning and moral judgement, to be conducted by intensive study of selected seminal writings in moral philosophy.

Note: Credit will be granted for only one of 335, 302.

Prerequisites: 6 units of Philosophy or permission of the instructor.

PHIL 336 Units: 1.5 Hours: 3-0
Formerly: 328
Philosophy of Law
A study of relationships among law, politics, and morality. The course 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 instructor.

PHIL 337 Units: 1.5 Hours: 3-0
Ethics: Theory and Practice
A survey of the foundations of moral reasoning and judgement that examines basic normative and meta-ethical theories. The course is intended primarily for students pursuing the Minor in Applied Ethics but is open to other students.

Prerequisites: 232 or permission of the instructor.

PHIL 342A Units: 1.5 Hours: 3-0
Minds and Machines: I
The course is concerned with 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.

Prerequisites: 3 units selected from Biology, Computer Science, Philosophy or Psychology; or permission of the instructor.

PHIL 342B Units: 1.5 Hours: 3-0
Minds and Machines: II
The course is a continuation of 342A. Topics may include: the top-down approach to artificial intelligence as advocated in the Turing Test; the analogical argument for the existence of other minds and its relation to the bottom-up approach to artificial intelligence; mechanical parallels of the mind-body problem; the relationship of Godel's incompleteness results to the possibility of mechanical minds.

Prerequisites: 342A or permission of the instructor.

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...
Aeschyli, 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.

**PHIL 342**  Units: 1.5  Hours: 3-0  
Formerly: 341

**Philosophy of Language: I**
A study of one or more of the major developments in recent European philosophy, such as phenomenology, hermeneutics, critical theory, poststructuralism, and l’écriture feminine. Works of authors such as the following may be selected: Husserl, Heidegger, Merleau-Ponty, Ricoeur, Habermas, Foucault, Derrida, Cixous, and Irigaray.

**PHIL 430**  Units: 1.5  Hours: 3-0  
**Contemporary Ethics**
An investigation of contemporary debates in ethical theory, including issues in normative ethics and meta-ethics.

**PHIL 431**  Units: 1.5  Hours: 3-0  
**Seminar in Biomedical Ethics**
A seminar offering an in-depth study of selected topics in biomedical ethics. Course 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.

**PHIL 433**  Units: 1.5  Hours: 3-0  
**Social and Political Philosophy**
This course 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, and interrelationships among economic, class, racial and gender oppression.

**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, Ellul, Ursula Franklin, George Grant, Heidegger, and Naess.

**PHIL 435**  Units: 3  Hours: 3-0  
**Contemporary European Philosophy**
A study of a number of the major developments in recent European philosophy, such as phenomenology, hermeneutics, critical theory, post-structuralism, and l’écriture feminine. Works of authors such as the following may be selected: Husserl, Heidegger, Merleau-Ponty, Ricoeur, Habermas, Foucault, Derrida, Cixous, and Irigaray.

**PHIL 450**  Units: 1.5  Hours: 3-0  
**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 quantity.

**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.

**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 to the theory of knowledge. The respective merits of realism, representationalist and phenomenalist theories of perception will come under examination.

**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.

**PHIL 461**  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.

**PHIL 462**  Units: 1.5, formerly 3  Hours: 3-0  
**Formerly: part of 334**

** Philosophy of Language: III**
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.

**PHIL 470**  Units: 1.5  Hours: 3-0  
**Advanced Topics in Philosophy**
Advanced investigations of a selected philosophical topic.

**PHIL 490**  Units: 1.5 or 3  Hours: 3-0  
**Advanced Topics in Philosophy**
Advanced investigations of a selected philosophical topic.

**PHIL 491**  Units: 1.5 or 3  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.
PHIL 499 Units: 1.5 Hours: 3-0
Philosophy Honours Seminar
A full year seminar mandatory for honours students during their final year. Attendance mandatory. Will be graded pass/fail. Students will read current work in philosophy and make an oral presentation. Students should solicit help and advice from faculty members whose expertise is relevant to the subject of their oral presentation. A passing grade will require both active participation in the life of the seminar and written work related to the oral presentation.

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 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 Hours: 3-3
Basic Physics
Mechanics, optics, light, heat, electricity, magnetism, wave motion, fluids, and quantum physics. This is a basic course in physics for students planning a program in study of the physical sciences such as Physics, Astronomy, Chemistry, and Earth and Ocean Sciences.
Notes: - No more than 4.5 units of credit may be obtained from 100-level physics courses.
- Students with a minimum grade of B in both Physics 12 and Mathematics 12, and who are planning a career in Physics or Astronomy, should consider enrolling in PHYS 120 and 220 in the first year instead of PHYS 112.
Prerequisites: BC Secondary School Physics 12 and Mathematics 12.
Pre-or corequisites: MATH 100 and 101.

PHYS 120 Units: 1.5 Hours: 3-3
Mechanics I
Kinematics, particle dynamics, curvilinear motion, momentum, angular momentum, energy. This course is primarily for students who are planning a career in Physics or Astronomy.
Note: Credit will be granted for only one of 120, 122. No more than 4.5 units of credit may be obtained from 100-level physics courses.
Prerequisites: A minimum grade of B in BC Secondary School Physics 12 and Mathematics 12, or PHYS 102.
Pre-or corequisites: MATH 100.

PHYS 122 Units: 1.5 Hours: 3-3
Mechanics For Engineers
Kinematics, particle dynamics, curvilinear motion, momentum, angular momentum, energy.
Notes: - Credit will be granted for only one of 122, 120.
- No more than 4.5 units of credit may be obtained from 100-level physics courses. Open to Engineering students only.
Prerequisites: A minimum grade of B in BC Secondary School Physics 12 and Algebra 12 or Mathematics 12.
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.
Note: No more than 4.5 units of credit may be obtained from 100-level physics courses. Normally open to Engineering students only.
Prerequisites: 122 or 120; MATH 100; and MATH 133 or MATH 233A.
Corequisites: MATH 101.

PHYS 210 Units: 1.5 Hours: 3-0
Also: EOS 210
Introductory Geophysics
Structure of the earth, plate tectonics and seafloor spreading, Principles of geomagnetism, geoelectricity, rock magnetism, gravity, seismology; geochronology; heat flow, and solar terrestrial relations.
Note: Credit will be granted for only one of PHYS 210 and 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
Introducing 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, or 122; MATH 100 or 102.

PHYS 215 Units: 1.5 Hours: 3-3
Introductory Quantum Physics
Introduction to quantum physics.
Pre-or corequisites: 220; MATH 200 and 201.

PHYS 216 Units: 1.5 Hours: 3-3
Introductory Electricity and Magnetism
Electric and magnetic fields, Faraday’s Law of Induction, dielectric and magnetic materials, capacitors, inductors, transformers, D.C. Circuits, AC circuits using complex numbers, LRC circuits.
Note: Credit will be granted for only one of PHYS 216, ELEC 216.
Prerequisites: Any one of 112, 120, or 122.
Pre-or corequisites: MATH 200.

PHYS 220 Units: 1.5 Hours: 3-3
Mechanics and Special Relativity
Relativistic kinematics and dynamics. Noninertial systems, central force motion, harmonic oscillator, elementary rigid body dynamics, mechanical waves.
Prerequisites: Any one of 112, 120, or 122.

2005-06 UVIC CALENDAR

PHYS 290 Units: 1-3
Directed Studies
This course is 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
Note: Credit will not be granted for 313 and 413A, 413B. Offered in the Fall term of even-numbered years.
Prerequisites: 215 and 216.
Pre-or corequisites: MATH 330A, and 323 or 325.

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 and 216.
Pre-or corequisites: MATH 330A, and 323 or 325.

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
Topics covered include oscillatory motion, motion under a central force, dynamics of a system of particles, gravitational potential theory, special relativity.
Prerequisites: 220.
Pre-or corequisites: MATH 330A, and 323 or 325.

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: MATH 330B and 326.
**PHYS 325** 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.

**PHYS 326** Units: 1.5 Hours: 3-1
Electromagnetic Theory
Properties of electromagnetic fields using vector calculus, displacement current, Maxwell’s equations, plane electromagnetic waves with applications, transmission lines, and transients in LCRC circuits.

**PHYS 401** Units: 1.5 Hours: 3-1
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.

**PHYS 402** Units: 1.5 Hours: 3-0
Topics in Mathematical Physics: II
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.

**PHYS 410** Units: 1.5 Hours: 3-0
Topics in Mathematical Physics: I
Mathematical methods applied to solving physical problems. Topics include: Maxwell’s equations, plane electromagnetic waves, applications, transmission lines, and transients in LRC circuits.

**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.

**PHYS 420** Units: 1.5 Hours: 3-0
Topics in Mathematical Physics: II
Topics include a selection from advanced topics in complex variable theory and special functions.

**PHYS 421** Units: 1.5 Hours: 3-0
Statistical Mechanics
Boltzmann, Bose-Einstein and Fermi-Dirac statistics.

**PHYS 422** Units: 1.5 Hours: 3-1
Electromagnetic Theory
Potential theory, Maxwell’s equations, electromagnetic waves.

**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.

**PHYS 424** Units: 1.5 Hours: 3-0
Particle Physics
Topics in particle physics. Note: Offered in Spring of even-numbered years, e.g. January 2002.

**PHYS 425** Units: 1.5 Hours: 2-3
Topics in Electronics Instrumentation
Applications of electronics in physics instrumentation.

**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.

**PHYS 427** Units: 1.5 Hours: 3-1
Also: EOS 427
Geophysics
Structure and composition of the earth, geochronology, gravity, geomagnetism, space physics including plasma dynamics, the ionosphere and the magnetosphere. Note: Credit will be granted for only one of PHYS 427 and EOS 427, Offered in Spring of odd-numbered years, e.g. January 2005.

**PHYS 428** Units: 1.5 Hours: 3-1
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.

**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.

**PHYS 429B** Units: 1.5 Hours: 0-3
Honours Project
A research project conducted under the direction of faculty.

**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. The course concludes with a brief introduction to the basic equations of fluid mechanics.

**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.

**PHYS 490** Units: 1.5 Hours: 2-0
Directed Studies
Note: Students must obtain the consent of the Department before registering.

**POLI 101** Units: 1.5 Hours: 3-1
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, Quebec nationalism, and economic inequality; political parties, voting, interest groups, and the mass media; the policy process.

**POLI 102** Units: 1.5 Hours: 3-1
Formerly: half of 100
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.
Introduction to Marxism

Diversity, Pluralism, Difference in Politics

Formerly: half of 300

International Politics

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. This course 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. This course 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, Korea, South Korea, and Taiwan, with special attention to the effects of globalization. The course examines the political system of the People’s Republic of China and the political parties of the People’s Republic of China.

Note: Credit will be granted for only one of 318, 318.

Prerequisites: 318.

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 fields.

POLI 320 Units: 1.5 Hours: 3-0

Formerly: 320A and 320B

The Canadian Constitution


Note: Credit will be granted for only one of 320A, 320B.

POLI 322 Units: 1.5 Hours: 3-0

Formerly: 322B

Urban Politics

An analysis of urban social movements, the politics of planning and development, and the economic and social issues associated with urbanization.

Note: Credit will be granted for only one of 322, 322B, 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. It will explore 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 challenges 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. The course 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 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 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.
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| **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-centered 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 Chair. |
| **POLI 350** Units: 1.5 Hours: 3-0  
Also: ADMN 311 and HSD 404  
**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. The course will focus 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 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 362** 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  
**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 Chair. |
| **POLI 370** 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 371** Units: 1.5 Hours: 3-0  
**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 and gender.  
**Note:** Credit will be granted for only one of 376, 419, 433 if 433 taken under the topic “Politics in India.” |
| **POLI 376** Units: 1.5 Hours: 3-0  
Formerly: POLI 419  
**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 Chair. |
| **POLI 377** Units: 1.5 Hours: 3-0  
**Topics in Contemporary European Politics**  
An 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 Chair. |
| **POLI 401** Units: 1.5 Hours: 3-0  
**Advanced Topics in Political Theory**  
An advanced seminar on contemporary issues and problems in political theory.  
**Prerequisites:** Two courses from 300A, 300B, or 300C, or permission of the instructor. |
| **POLI 402** Units: 1.5 Hours: 3-0  
**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 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 416** Units: 1.5 Hours: 3-0  
**State, Revolution and Reform in East Asia (Seminar Course)**  
Politics, political economy, modernization reforms, ideology, and state institutions in various societies in East Asia.  
**Note:** A previous course in Asian politics is strongly advised. |
| **POLI 420** Units: 1.5 Hours: 3-0  
Constitutional Law and Politics in Canada (Seminar Course)  
This course explores how the courts and the Constitution play a role in social change. It 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 433 taken under the topic “Issues in Politics: Politics and the Charter.”  
**Prerequisites:** 320 or permission of the instructor. |
| **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. Focusing on clashing perspectives on the digital future, the course 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, party systems, political economy, modernization and welfare states, politics 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, this course 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 and 433, 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 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 Chair. |
PSYC 300B Units: 1.5 Hours: 3-0
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- 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 205 and "Credit Limit - Statistical Methods in Psychology," page 31.

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 and 313B
Cognitive Psychology
The basic approach to studying cognitive processes will be explained. Topics include pattern recognition, attention, memory, language, categorization, problem solving, reasoning and decision making.

Note: Credit will not be granted for 313 and 313A, 313B.

Prerequisites: 100A and 100B, and 201 or third-year standing.

PSYC 315 Units: 1.5, formerly 3 Hours: 3-0
Introduction to Human Neuropsychology
An introduction to neuroanatomy and neuropsychology 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 and 215A.

PSYC 317A Units: 1.5 Hours: 3-0
Formerly: half of 317
Sensation and Psychophysics
This course covers 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.

Prerequisites: 100A, 100B and 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 and 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, and 215A.

PSYC 323 Units: 1.5 Hours: 3-0
Advanced Biopsychology
This is an advanced course on the physiological basis of behaviour. The initial portion will cover the fundamentals of neurophysiology and neuroanatomy from a functional perspective, with an emphasis on the anatomy of the human nervous system. The latter portion will examine the physiological basis of behaviour through review of contemporary research in areas such as sleep, reproduction, aggression, ingestion, learning and memory, motivation, and mental disorders.

Prerequisites: 100A, 100B, and 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; basal 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 sleep and wakefulness.

Note: Credit will be granted for only one of 324, 424.

Prerequisites: 100A, 100B and 215A, or permission of the instructor; Recommended: some background in human physiology.

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 and 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-physician interaction, pain, psychological issues in chronic and terminal illness, death and bereavement, the role of psychological factors in disease and treatment.

Prerequisites: 100A and 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 334 taken from 1970-72.

Prerequisites: 100A and 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 and 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
An in-depth consideration of behavioural procedures for assessing and changing problem behaviours, and the use of single-subject designs to evaluate their effects. Examples from both child (primarily) and adult behaviours will be examined. The objective of the course is to provide 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 and 100B; and either 311B or permission of the instructor.

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 cogni-
tive 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.

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**PSYC 340**

**Units:** 1.5

**Hours:** 3-0

**Interpersonal Communication**

The course examines human communication, with particular emphasis on face-to-face interaction. The topics covered are 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 and 201 or third or fourth-year standing.

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**PSYC 341**

**Units:** 1.5

**Hours:** 3-0

**Formerly:** 441C

**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 and 100B, and either 201 or third-year standing.

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**PSYC 342**

**Units:** 1.5

**Hours:** 3-0

**Formerly:** 235

**Theories and Methods in Life-Span 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 organicistic, 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 and 210.

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**PSYC 345A**

**Units:** 1.5

**Hours:** 3-0

**Formerly:** half of 345

**Drugs and Behaviour: Basic Principles**

This is 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 and 215A.

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**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.

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**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 and 215A.

**Pre- or corequisites:** Recommended: 361 or volunteer experience with a community agency.

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**PSYC 361**

**Units:** 1.5

**Hours:** 0.5-2.5

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, or F

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**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 and 100B.

**Pre- or corequisites:** 330, 360 or 430.

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**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.

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**PSYC 370A**

**Units:** 1.5

**Hours:** 3-0

**Formerly:** 370A

**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.

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**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 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, LING 369, LING 370B.

**Prerequisites:** 100A, 100B; or permission of the instructor.

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**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, and 201

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**PSYC 390**

**Units:** 1.5 or 3

**Independent Study in Psychology**

Directed independent study intended primarily to allow students and a faculty supervisor to pursue a topic of personal 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 6.0 units unless permission of the Chair of the Department is obtained.

**Prerequisites:** 100A, 100B, 201, third-year standing and a minimum GPA of 5.50 in the last 15 units attempted.

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**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. May be taken twice on different topics.

F01: Psychology of Criminal Justice Processes

**Prerequisites:** 100A, 100B, 201 and third-year standing.

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**PSYC 400A**

**Units:** 1.5

**Hours:** 2-2

**Advanced Statistical Methods: The General Linear Model**

This course is 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. The course will examine 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: 2-2
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 412 Units: 1.5 Hours: 3-0
Advanced Topics in Behaviour Analysis
Examination of selected topics in the experimental and applied analysis of behaviour. Any number of these courses may be taken for credit, but no individual course may be taken more than once for credit.

412A - Complex Behaviour
Possible topics include attending, thinking, remembering, and verbal behaviour.
Note: Credit will be granted for only one of 412A, 312.

412B - Applied Behaviour Analysis
Possible topics include community intervention, education, behavioural medicine, behaviour therapy, sports, business, and gerontology.

412C - New Developments in Basic Research
Possible topics include stimulus equivalence, establishing operations, animal language, and behavioural momentum.
Prerequisites: 100A and 100B and either 311B or permission of instructor.

PSYC 413 Units: 1.5 Hours: 3-0
Advanced Topics in Cognitive Psychology
Detailed analyses of fundamental areas in cognition. Any number of the courses 413A-413E may be taken, but no individual option may be taken more than once.

413A - Memory

413B - Consciousness and Cognition

413C - Thinking, Problem Solving and Decision Making

413D - Language and Cognitive Processes

413E - Attention and Pattern Recognition
Prerequisites: 100A, 100B and 313.

PSYC 415 Units: 1.5 Hours: 3-0
Advanced Topics in Biological Bases of Behaviour
Detailed analyses of fundamental areas in biopsychology. Both 415A and 415B may be taken for credit, but neither course can be taken more than once for credit.

415A - Human Neuropsychology
Formerly: 415
This course 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 and 315

415B - Biological Psychology
Formerly: 423
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 and one of 323, BIOL 345, BIOL 365

PSYC 431 Units: 1.5 Hours: 3-0
Advanced Topics in Social Psychology
Intensive examination of selected social aspects of human behaviour.

431A - Attitudes
Prerequisites: 100A, 100B and 331

431B - Social Cognition
Prerequisites: 100A, 100B and 331

431D - Face-to-Face Interaction
Prerequisites: 100A, 100B, 201, 340 and permission of instructor

431E - Environmental Psychology
Prerequisites: 100A, 100B and 350

431F - Special Topics in Social Psychology
F01: Judgment and Decision Making
Prerequisites: 100A, 100B and permission of the instructor
Note: Any number of the courses 431A-431F may be taken, but no individual option may be taken more than once.

PSYC 435 Units: 1.5 Hours: 3-0
Advanced Topics in Life-Span Developmental Psychology
Intensive examination of specific processes in particular phases of the life span.

435A - Infant Development

435B - Child and Adolescent Social and Personality Development

435C - Child and Adolescent Cognitive Development

435D - Adult Social and Personality Development

435E - Adult Cognitive Development

435F - Special Topics in Life-Span Development
F01: Family Violence Across the Lifespan
Note: No individual course (435A through 435E) may be taken more than once. 435F may be taken more than once on different topics.
Prerequisites: 100A, 100B, 201 and one of 300-level developmental courses 333A, 333B, 335, 336, 339 or 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
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 6.0 units unless permission of the Chair of the Department is obtained.
Prerequisites: 100A, 100B, 201, 390, fourth-year standing and a minimum GPA of 5.50 in the last 15 units attempted.

PSYC 491 Units: 1.5 Hours: 3-0
Advanced 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. The seminar format of this course requires students to participate orally in class and to submit a term paper. May be taken twice on different topics.
S01: Evolutionary Psychology
Prerequisites: 100A, 100B and either 201 or third-year standing.

PSYC 499 Units: 3 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.

RELIGIOUS STUDIES

Interdisciplinary Programs

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
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.

RS 301 Units: 1.5 Hours: 3.0
Contemporary Religious Issues
Wisdom of the major religious traditions is critically related to contemporary social, cultural, political and economic issues such as gender, death, ecology, work and the market economy.

RS 302 Units: 1.5 Hours: 3-0
Ways of Understanding Religion
An examination of how the methods and understandings of disciplines such as Anthropology, History, Philosophy, Psychology, and Sociology contribute to the study of religion.
RUSS

Russian
Department of Germanic and Russian Studies
Faculty of Humanities

Courses offered by the Department of Germanic and Russian 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
Beginner's 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, 100B. No prior knowledge of Russian is required.

RUSS 100B Units: 1.5 Hours: 3-0
Formerly: second half of 100
Beginner's 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, 100A.

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; Zamiatin, 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, 200B. No knowledge of Russian required.

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, 200A.

Prerequisites: 200A or permission of the Department.

RUSS 203 Units: 1.5, formerly 3 Hours: 3-0
Oral and Written Practice
Oral and written practice in Russian, based on contemporary topics and selected popular texts.

Prerequisites: 100, or 100A and 100B, or permission of the Department.

RUSS 300A Units: 1.5 Hours: 3-0
Formerly: first half of 302
Advanced Russian I
This course is 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: 3-0
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. The course is conducted mainly in Russian.

Note: Credit will be granted for only one of 303, 303B, 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, 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 1990s 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 in Translation: I
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 in Translation II
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.

RUSS 311 Units: 1.5 Hours: 3-0
Formerly: part of 412, 413, and 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.
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 under 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. This course 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 tragi-comedy, satire, farce 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. The course will stress written
COURSE LISTINGS

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. This course will stress 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 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; Cherry shevsky, What is to be Done?, Bulgakov, The Master and Margarita; Nabokov, Lolita; and Eisenstein, Ivan the Terrible.

Note: No knowledge of Russian required.

SCIENCE
Faculty of Science

SCIE 190
Units: 1.5  Hours: 3-0
Individual Study
Granted only by special permission of the Dean, on recommendation of the department. Used only when one term of a 3-unit course has been completed, and only in cases of illness, accident or family affliction.

SCIE 290
Units: 1.5  Hours: 3-0
Individual Study
Granted only by special permission of the Dean, on recommendation of the department. Used only when one term of a 3-unit course has been completed, and only in cases of illness, accident or family affliction.

SCIE 390
Units: 1.5  Hours: 3-0
Individual Study
Granted only by special permission of the Dean, on recommendation of the department. Used only when one term of a 3-unit course has been completed, and only in cases of illness, accident or family affliction.

SEA
Southeast Asia
Department of Pacific and Asian Studies
Faculty of Humanities

SEA 100A
Units: 1.5  Hours: 3-1
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: Limited to 25 students per section.

SEA 100B
Units: 1.5  Hours: 3-1
Introduction to Indonesian-Malay: II
Basic conversations and grammar in Indonesian-Malay and readings of a variety of elementary textual materials.

Note: Limited to 25 students per section.
Prerequisites: A minimum grade of B in 100A or permission of the instructor.

SEA 200
Units: 3  Hours: 3-1
Intermediate Indonesian-Malay
A continuation of 100B for students who wish to improve their comprehension, speaking, reading and writing abilities in Indonesian-Malay.

Note: Limited to 25 students.
Prerequisites: A minimum grade of B in 100B or permission of the instructor.

SEA 201A
Units: 1.5  Hours: 3-0
Formerly: half of 201
Southeast Asian Cultures and Societies: I
A survey of cultural developments in Southeast Asia from earliest times to the 19th century. Students will read a number of key religious, literary and dramatic texts.

Note: Credit will be granted for only one of 201A, 201.

SEA 201B
Units: 1.5  Hours: 3-0
Formerly: 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. Explores the historical development of these cultures, their linkages to social trends and economic structures, and the political constraints within which they must operate.

Note: Credit will be granted for only one of 201B, 201.
Prerequisites: 201A or permission of the instructor.

SEA 300
Units: 3  Hours: 6-2
Formerly: 249
Advanced-Intermediate Indonesian-Malay
An advanced intermediate level course designed to increase proficiency in colloquial, literary, and journalistic Indonesian-Malay. Audiovisual materials, short stories, plays, advertisements, interviews, and magazine and newspaper articles will be read, discussed, and written about. Equal emphasis on speaking, reading, writing, and listening comprehension.

Note: Credit will be granted for only one of 300, 249. Limited to 25 students.
Prerequisites: A minimum grade of B in 200 or permission of the instructor.

SEA 302A
Units: 1.5  Hours: 3-0
Formerly: part of 302, 202
Southeast Asian Literature in Translation
A survey of the major periods, movements, and writers of modern Thai, Malaysian, Vietnamese, and Philippine literatures. Examines the roots and growth of these literatures, as well as the changing relationship of each to its respective society. Issues to be covered include pre-war nationalist and didactic literature, ethnic identity, gender roles, modernization, rural-urban divisions, and non-realist literature.

Note: Credit will be granted for only one of 302A, 202, 302.
Prerequisites: Third-year standing or permission of the instructor.

SEA 302B
Units: 1.5  Hours: 3-0
Formerly: part of 302, 202
Modern Indonesian and Pacific Literature
A survey of modern Indonesian and Pacific literatures in translation. Follows the development of these literatures from the romantic realism of the colonial era to the modernist, surrealist, magic realist, and populist writing of the post-independence period. Explores issues such as literature and national/international identities, changing notions of love and familial roles, representations of revolution, tradition and modernization, development and ethnic conflict. Taught in English. All texts in English or English translation.

Note: Credit will be granted for only one of 302B, 202, 302.
Prerequisites: Third-year standing or permission of the instructor.

SEA 320
Units: 1.5  Hours: 3-0
Also: THEA 328
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 320, THEA 328.
Prerequisites: Second-year standing or permission of the instructor.

SEA 324
Units: 1.5  Hours: 3-0
Southeast Asian Cinema
A survey of the cinemas of Indonesia, Thailand, the Philippines, and Malaysia/Singapore. Will examine issues such as colonial experience, post-colonial identity, gender representations, modes of social criticism, as well as problems of cinematic form, production, and distribution.

Prerequisites: Second-year standing or permission of the instructor.

SEA 481
Units: 1.5 or 3.0  Hours: 6-2
Formerly: 480
Software 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, hypertext and Web integration.
Prerequisites: CSC 110.

SENG 265 Units: 1.5 Hours: 3-1
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 their subsequent synthesis within component frameworks. Topics include architecture design languages, modeling techniques and tools, model driven code engineering, scalable software architectures, component-based software development, interfaces, libraries, event-driven programming, middleware and integration testing.
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 Architecture and Systems
An introduction to analysis and design of software architectures with UML (Unified Modeling Language) and their subsequent synthesis within component frameworks. Topics include architecture description languages, modeling techniques and tools, model driven code engineering, scalable software architectures, component-based software development, interfaces, libraries, event-driven programming, middleware and integration testing.
Note: Credit will be granted for only one of 271, 221.
Prerequisites: 265.

SENG 310 Units: 1.5 Hours: 3-0
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 third-year standing in the Computer Engineering degree program.

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 system, and data communication.
Prerequisites: 265 or third-year standing in the Computer Engineering degree program.

SENG 321 Units: 1.5 Hours: 3-1
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, CSC 225 and MATH 222 or CSC 225, CENG 245, and third-year standing in the Computer Engineering degree program.

SENG 330 Units: 1.5 Hours: 3-0
Object-Oriented Software Development
Prerequisites: 265 or CSC 265 or third-year standing in Computer Engineering degree program.

SENG 360 Units: 1.5 Hours: 3-1
Security Engineering
The fundamentals of contemporary computer security and cryptography. Topics include an overview of computer security, protocols and security, and recovery. Risk analysis and security plans. Basics of cryptography. Public key cryptography and protocols. Security models, kernel design and systems testing. Database, network and Web security. The course discusses applications which need various combinations of confidentiality, availability, integrity and covertness properties; mechanisms to incorporate these properties in systems. Policy and legal issues are also covered.
Prerequisites: 321 and CSC 360.

SENG 365 Units: 1.5 Hours: 3-2
Software Development
Techniques for the development and maintenance of software systems are described. The life-cycle approach to software and the characteristics of life-cycle products are included. The course covers material in requirements definition, specification, design, program testing and verification and validation. Contemporary and future software development environments are studied.
Note: Credit will be granted for only one of 365, CSC 365.
Prerequisites: CSC 225, 265 or CSC 265 or third-year standing in Computer Engineering degree program and CSC 360 which may be taken concurrently.

SENG 371 Units: 1.5 Hours: 3-1
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, animation, and server-client computing. This course culminates in a team project.
Note: Credit will be granted for only one of 371, 420 or equivalent.
Prerequisites: 321.

SENG 380 Units: 1.5 Hours: 3-0
Applied Cost Engineering
Project estimating processes to determine who is going to do what, for how much, when and with what associated risks: labour, material and accounting analyses, forecasting, estimating (operation, product, system, project, environmental restoration and system) costs, life cycle costing. Concepts of design to cost and value engineering, evaluating risks and return, controlling engineering costs, financial analysis and reporting, data collection and management. Computer-aided cost analysis and software cost estimating.
Prerequisites: ENGR 280 and third-year standing in the Faculty or permission of the Chair.

SENG 401 Units: 1.5 Hours: 3-0
Social and Professional Issues
Introduces students to the social and professional issues that arise in the context of Software Engineering.
Note: Credit will be granted for only one of 401, 400, ENGR 297.
Prerequisites: Fourth-year standing.

SENG 411 Units: 1.5 Hours: 3-0
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 architecture, 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: Either 271 or 330, and either 321 or 365.

SENG 424 Units: 1.5 Hours: 3-0
System Reliability
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.
Note: Credit will be granted for only one of 424, CSC 454.
Prerequisites: Fourth-year standing in the Faculty.

SENG 426 Units: 1.5 Hours: 3-1
Software Quality Engineering
This course emphasizes software quality engineering as an integral facet of development, from requirements through delivery and maintenance. The stu-
dents 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: 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. The course focuses primarily on the first two 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: 3-0  
Embedded Systems  

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: 330 and 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. The course offers advanced topics on software components and component-based software engineering from research and practice.

Prerequisites: 371 and 435.

SENG 462  Units: 1.5  Hours: 3-0-1  
Distributed Systems and the Internet  

Prerequisites: 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 mechatronics systems. Topics include requirements of software that drives mechatronics systems, specifications of mechatronics, real-time and reactive systems, validation, verification, simulation and testing of mechatronics software. Building product-line software architectures of mechatronics systems is also addressed.

Prerequisites: One of 271, 321 or 365

SENG 470  Units: 1.5  Hours: 3-0  
Management of Software Development  

Prerequisites: 265 or 365 or CSC 265.

SENG 472  Units: 1.5  Hours: 3-1  
Software Process  
Software process design, modeling, implementation, management, assessment and improvement as well as other non-process factors that affect software quality. ISO 9001, SETs 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, decision trees and neural networks will be discussed and applied to case studies. Data-mining software tools will be reviewed and compared.

Prerequisites: 315.

SENG 480  Units: 1.5  Hours: 3-0  
Topics in Software Engineering  
The topics in this course depend primarily on the interests of the instructor. Entrance to the course 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 the permission of the Chair of the student's Program Department.

SENG 490  Units: 1.5 or 3  
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 Chair of the student’s Program Department.

SENG 499  Units: 1.5  Hours: 0-6  
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 the results of the work. Projects will normally focus on large software systems, and collaboration with an industrial sponsor is encouraged.

Prerequisites: Four-year standing in the Faculty.

SLAV Russian Studies  
Department of Germanic and Russian Studies  
Faculty of Humanities  
SLAV 334  Units: 1.5 or 3  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  
This course deals with 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) for 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. The course traces Russia’s response to the challenge of the West, with special attention to political reforms, social transformation, and cultural change. This lecture course 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. This lecture course 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  

Note: Credit will be granted for only one of 377, HIST 377.
SLAV 390  Units: 1.5 or 3
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.

SOCI 305B  Units: 1.5  Hours: 3-0
Formerly: part of 305
Families and Social Change
Compares 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 305A, 305B, 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 308  Units: 1.5  Hours: 3-0
Formerly: 210
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 308, 209, 210, 300.
Prerequisites: 100 or permission of the instructor.

SOCI 309  Units: 1.5  Hours: 3-0
Modern Social Theory
Survey of substantive theoretical perspectives in sociology since mid-twentieth 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.

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 post-modernism. 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 conse-
SOC 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.

SOC 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.

SOC 322  Units: 1.5  Hours: 3-0
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.

SOC 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.

SOC 328  Units: 1.5  Hours: 3-0
Issues in the Sociology of Equity and Diversity
Studies of theories, research, and policy issues in equity and diversity.

SOC 331  Units: 1.5  Hours: 3-0
Political Sociology
Study of the social bases (e.g. region, class, religion, ethnicity, language, culture) of political behaviour.

SOC 332  Units: 1.5  Hours: 3-0
Elites and Society
Study of institutional elites (e.g. business, labour, state, media, church, educational, military) and their roles in society.

SOC 335  Units: 1.5  Hours: 3-0
Racialization and Ethnicity
Using mainly Canadian examples, this course examines theories and research on racialization, racism, and ethnic identities with special emphasis on their relationship to social inequalities.

SOC 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.

SOC 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.

SOC 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 study of selected leisure activities.

SOC 371A  Units: 1.5  Hours: 3-1
Formerly: 371

Statistical Analysis in Sociology: I
Descriptive statistics, probability distributions, statistical inference, including estimation and significance tests, and an introduction to bivariate statistical analysis. Computer assisted analysis of sociological data.

SOC 371B  Units: 1.5  Hours: 3-1
Formerly: 471, 372

Statistical Analysis in Sociology: II
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.

SOC 372  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.

SOC 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.

SOC 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.

SOC 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.

SOC 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 transsexual sexuality. Theories to be explored may include aetiologies of sexual behaviours and interplay of genders with sexualities.

SOC 385  Units: 1.5  Hours: 3-0
Sociology of Aging
A survey of sociological approaches to aging, including topics such as: cultural definitions of age, demographic trends and consequences; methodological problems in the study of aging; age stratification; retirement; death and dying.

SOC 390  Units: 1.5  Hours: 3-0
Selected Problems in Sociology
Presentation of current interests of various faculty members.

SOC 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.

SOC 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.

SOC 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.

SOC 412 Units: 1.5 Hours: 3-0
Formerly: part of 300, 362
Sociological Explanations
Nature of explanations in sociological theory, combining an evaluation of different conceptions of the nature of science with an understanding of important sociological theorists and frameworks.

Note: Credit will be granted for only one of 412, 312, 362.

Pre- or corequisites: 210 or 308

SOC 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. Topics may vary but can include: globalization, modernity and postmodernity, the rise of post-industrial society and the dynamics of reform and revolution.

SOC 419 Units: 1.5 Hours: 3-0
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.

SOC 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. In the absence of previous coursework in demography, students are strongly advised to take 343 prior to taking 443.

SOC 445 Units: 1.5 Hours: 3-0
Sociology of Health and Illness
Seminar review of the field of sociology of health and illness, with a focus on the complex relationship between social factors (e.g., gender, race, ethnicity, aging, etc.) and the level of health found among different social groups. Begins with the origins of scientific medicine, and then analyzes illness and disease in present-day Canadian and other societies. Examines the role of physicians and other health care providers, and discusses issues shaping health care systems.

SOC 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.

SOC 472 Units: 1.5 Hours: 3-1
Advanced Statistical Methods in Sociology
An introduction to linear statistical models and related methods with applications to sociological research.

Prerequisites: 371B or 471

SOC 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

SOC 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.

SOC 490 Units: 1.5-3
Directed Studies
This course may be submitted for an elective course in Sociology in the Fourth Year of the Honours Program with the permission of the Department.

SOC 499 Units: 3
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

SOCW 200A Units: 1.5 Hours: 3-0
An Introduction to Social Work Practice
This course will introduce students 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. The relationship between private troubles and public issues as well as the conceptualization of power, oppression, privilege, identity and social justice will be explored.

This course emphasizes self reflection which will assist students in examining their identities and their interest, motivation and capacity for social work practice.

Note: Distance Education only.

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 First Nations and other oppressed marginalized groups.

Note: Distance Education only.

SOCW 300 Units: 6
Integrated Practice Course
This course presents an integrated approach to social work ideologies, values, theories and skills. Structural, feminist and First Nations perspectives are used to explore themes of power and oppression. Emphasis is given to community and social change in response to public issues, as well as to practice with individuals and groups facing private troubles. The course will assist students to develop a personal and professional commitment to social work, and build knowledge and skills for generalist practice.

Note: - Credit will be granted for only one of 300, 323.
- Distance Education only.

SOCW 301 Units: 1.5 Hours: 3-0
Research For Social Change
Grounded in critical theory, this course is premised on an understanding of knowledge as being socially constructed. Students will see themselves as active producers of knowledge and critical consumers of research. Students will develop competencies to design, implement, support and act upon research for social change, through a variety of methods.

Pre- or corequisites: 300 or 323.

SOCW 304 Units: 3
Social Work Practicum I
In the first BSW practicum (315 hours) students: practice social work under supervision in an agency setting; apply, interpret and translate theories into practice; and experience the economic, political and policy constraints on practice.

Pre- or corequisites: 300 or 323. Students registered in a concurrent section of 323 may register in a S 304 section only. (The F, Y and K sections are only available to those students who have completed 323.)

Grading: INP, COM, N, or F

SOCW 304A Units: 3
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 SOCW 304.

Note: Credit will be granted for only one of 304A, 304.

Pre- or corequisites: 300 or 323. Students registered in a concurrent section of 323 may register in a S 304A section only. (The F, K and Y sections are only available to those students who have completed 323.)

Grading: COM, N, or F

SOCW 304 B Units: 3
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 SOCW 304.

Note: Credit will be granted for only one of 304A, 304.

Pre- or corequisites: 300 or 323. Students registered in a concurrent section of 323 may register in a S 304B section only. (The F, Y and K sections are only available to those students who have completed 323.)

Grading: COM, N, or F

SOCW 323 Units: 6.0
Anti-Oppressive Social Work Knowledge and Practice
This course will provide students with an opportunity to develop frameworks that enable them to understand and engage in social work practice (the relationship between ideology, knowledge and skills). This course will address marginalization, structural inequalities and social justice. Critical Social Theory and self-reflection form the basis by which students’ ability to practice in an anti-oppressive way will be strengthened.

Note: Credit will be granted for only one of 323, 300.

2005-06 UVIC CALENDAR

COURSE LISTINGS

351
**SOCW 350A** Units: 1.5 Hours: 1.5-1.5
Law and Social Services
This course 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 inequities and law. Specific areas of law examined in this course may include child welfare, mental health, young offenders and income assistance.

**Note:** Credit will be granted for only one of 350A, 350, CYC 350A.

**SOCW 350B** Units: 1.5 Hours: 3-0
Legal Skills for Social Service Professionals
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 instructor’s permission. Enrollment may be limited.

**Prerequisites:** SOCW 350A or CYC 350A.

**SOCW 354** Units: 1.5 Hours: 3-0
An Introduction to First Nations Issues and Human Services
The course will critically examine 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 First Nations 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/corequisites: 300 or 323.

**SOCW 390** Units: 1.5 or 3
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: 3.0 Hours: 3-0
First Nations Approaches to Healing and Helping
Through direct interaction with First Nations elders, political leaders and human service workers, students will explore traditional and contemporary approaches used by First Nations peoples to help and heal in their communities. Students will be challenged to integrate these approaches into their own lives and social work practice.

**Note:** Limited to First Nations, Inuit and Métis students or with permission of the Director.

**Pre/corequisites:** SOCW 323

**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:** - 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:** SOCW 300 or 323, 301, 304, or 304A, 354 and 350A, 1.5 units of which can be taken as a corequisite.

**Grading:** INP, COM, N or F

**SOCW 404** Units: 4.5
Child Welfare Specialization: Child Protection Practicum
In this second BSW practicum (420 hours), students will have a 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; First Nations 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, 402, 404A. 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 First Nations 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.


**Pre/corequisites:** 301, 451 and 476. For First Nations Child Welfare placements: 301, 451, HSD 464

**Grading:** INP, COM, N or 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, 402, 404.
- There is a required concurrent Online Integrative Practice Seminar included in this practicum.

**Prerequisites:** SOCW 300 or 323, 304 or 304A, 350A, 350B, 354, 391, 475, HSD 462 (formerly SOCW 479), 464 and an approved human development course. For First Nations Child Welfare placements: SOCW 300 or 323, 304 or 304A, 350A, 350B, 354, 391, 475, 491, 492, HSD 462 (formerly SOCW 479) and an approved human development course.

**Pre/corequisites:** 301, 451, and 476.

**Grading:** INP, COM, N or F

**SOCW 404B** 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 404B, 402, 404.
- There is a required concurrent Online Integrative Practice Seminar included in this practicum.

**Prerequisites:** SOCW 300 or 323, 304 or 304A, 350A, 350B, 354, 391, 475, HSD 462 (formerly SOCW 479), 464 and an approved human development course. For First Nations Child Welfare placements: SOCW 300 or 323, 304 or 304A, 350A, 350B, 354, 391, 475, 491, 492, HSD 462 (formerly SOCW 479) and an approved human development course.

**Pre/corequisites:** 301, 451, and 476.

**Grading:** INP, COM, N or F

**SOCW 443** Units: 1.5 Hours: 3-0
Collaborative Practices for Mental Health Care
This course will look at mental health and illness from an anti-oppressive perspective. It will emphasize the collaborative nature of social work practice, and consider multi-disciplinary approaches to the development and practice of mental health services which enable involvement of service users. The effect on individuals across the lifespan, family and community will be stressed. In particular, attention is given to socio-cultural, political, economic and environmental (i.e. non-biomedical) impacts on mental health and illness.

**Prerequisites:** SOCW 323

**SOCW 451** Units: 1.5 Hours: 3-0
First Nations Policy Issues in Social Work
This course builds on the structural theories and perspectives of social work practice introduced in SOCW 354. The focus will be on in-depth exploration and critical analysis of past and present policies of Canadian governments that affect the lives of First Nations peoples. Contemporary responses and initiatives of First Nations peoples through their own policies and practices will also be discussed.

**Prerequisites:** 354.

**Pre/corequisites:** 300 or 323.

**SOCW 452** Units: 1.5 Hours: 3-0
Teaching For Social Change
Drawing upon adult learning principles and feminist and First Nations ways of knowing, students will explore teaching and learning for individual and social change. Students will apply these ideas in planning and delivering a learning event and will reflect on their own experience as learners.

**Pre/corequisites:** 300 or 323.

**SOCW 457** Units: 1.5
Critical Perspectives on Human Behaviour
Within the context of feminist, structural and First Nations analyses, this course will encourage students to develop critical perspectives of human behaviour. Students are expected to develop a working knowledge of the effects of oppression on human behaviour.

**Note:** Distance Education only.

**SOCW 460** Units: 1.5 or 3 Hours: 3-0
Special Topics in Social Work and Social Welfare
This is a variable content course that will deal with special issues in social welfare and approaches to social work practice. Restricted to students in the third or fourth year of study. May be taken more than once for credit to a maximum of three units.

**Note:** Offered as resources permit.

**Pre/corequisites:** 300 or 323.

**SOCW 474** Units: 1.5 Hours: 3-0
Introduction to Community Practice
This course will introduce students to a community perspective in social work practice. Students will integrate their own experiences of community with theoretical and critical analysis. Various approaches to community work will be introduced and practice skills will be developed. The relationship between community work and social change movements will be discussed.

**Prerequisites:** 300 or 323 or by permission of the instructor.

**SOCW 475** Units: 1.5 Hours: 3-0
Child Welfare Practice
This course will provide students with 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:** 300 or 323.

**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 First Nations perspec-
tives are challenging the social work profession. This course 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:** 300 or 323.

**SOCW 477** Units: 1.5 Hours: 3-0

**Family Practice**

The primary objective of this course is to explore 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 experimental exercises.

**Prerequisites:** 300 or 323.

**SOCW 490** Units: 1.5 or 3

**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 First Nations 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. First Nations 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.

**Notes:** - Limited to First Nations, Mètis and Inuit students or with permission of the Director.

- Available by distance education through special arrangement.

**Prerequisites:** 391 or permission of the Director.

**Pre- or corequisites:** 300 or 323.

**SOCW 492** Units: 1.5

**Protecting First Nations Children**

This course will provide students with an opportunity to explore the unique policy and practice considerations to providing child and family services in First Nations communities in British Columbia. Students will be challenged to synthesize the demands of provincial child welfare legislation with emerging First Nations practices and policies in a way that protects the identity, culture, and social structure of First Nations children and families.

**Notes:** - Limited to First Nations, Mètis and Inuit students or with permission of the Director.

- Available by distance education through special arrangement.

**Prerequisites:** 354.

**Pre- or corequisites:** 300 or 323.

**SPAN**

**Spanish Department of Hispanic and Italian Studies**

**Faculty of Humanities**

Native speakers of Spanish may not obtain credit for Spanish 100A, 100B, 149, 250A, 250B, 255, or 260. 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 students in first or second year.

**SPAN 100B** Units: 1.5 Hours: 3-0

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 Hours: 6-2

**Beginners’ Spanish**

Intensive Spanish language instruction for beginning language students. Equivalent to 100A/B.

**Note:** Credit will not be granted for 149 and 100A, 100B, 149A. Not open to students with credit in Spanish 12.

**SPAN 249** Units: 3 Hours: 6-2

**Review of Grammar and Conversation I**

Intensive Spanish language instruction for intermediate language students. Equivalent to 250A/B.

**Note:** Credit will not be granted for 249 and 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, 250B. 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 Spanish or English.

**SPAN 250B** Units: 1.5 Hours: 3-0

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, 250B. 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

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**2005-06 UVIC CALENDAR**

- Courses in bold are new or revised.
- Pre- or corequisites and prerequisites have been removed from the course listings.
- Prerequisite changes, if any, will be noted in the course listings.
- Departmental requirements for each course have been included.

**SPAN 280** Units: 6 Hours: 9-0

**Spanish Immersion**

This course, to be taken in conjunction with 250A/B and 350A/B, is part of the Year Abroad Program and combines conversation with an introduction to the culture and literature of Spain and Latin America.

**Prerequisites:** 100A and 100B, or permission of the Department.

**SPAN 306** Units: 1.5 Hours: 3-0

**Spanish Culture**

An introduction to the artistic, intellectual, social and political trends in Spain from pre-Roman times to Spain today; with particular attention to Muslim Spain, the Habsburg monarchy, the Civil War, and Spain since 1939. May be given in Spanish or English.

**Pre- or corequisites:** 350A if 306 given in Spanish; second-year standing if 306 given in English.

**SPAN 307** Units: 1.5 Hours: 3-0

**Latin American Culture**

An overview of the cultures of Spanish America and Brazil. Consideration of the artistic, intellectual, social, and political trends in Latin America from pre-Columbian times to the present. May be given in Spanish or English.

**Pre- or corequisites:** 350A if 307 given in Spanish; second-year standing if 307 given in English.

**SPAN 340** Units: 3.0 Hours: 6-0

**Spanish Immersion Literature**

This course, to be taken in conjunction with 250A/B and 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**

Advancement of the student’s communication skills. 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:** 250A and 250B, with a minimum average of B-, 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.
COURSE LISTINGS

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
A chronological survey of 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 350A
Prerequisites: 260, or 280, or permission of the Department.

SPAN 375 Units: 1.5 Hours: 3-0
Survey of Spanish Literature Since 1700
A chronological survey of 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: 260, or 280, or permission of the Department.

SPAN 380 Units: 1.5 Hours: 3-0
Survey of Spanish American Literature from 1492 to 1900
A chronological survey of 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: 260, or 280, or permission of the Department.

SPAN 385 Units: 1.5 Hours: 3-0
Survey of Spanish American Literature Since 1900
A chronological survey of 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 350B
Prerequisites: 260, or 280, or permission of the Department.

SPAN 407 Units: 1.5 Hours: 3-0
Topics in Hispanic Detective Fiction
A selection of detective fiction works by modern writers from Spain and/or Spanish America focused on a particular topic such as genre, religion, and ethnicity.
Note: May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, or 385 if 407 given in Spanish, second-year standing if 407 given in English.

SPAN 450A Units: 1.5 Hours: 3-0
Formerly: half of 450
Advanced Composition, Translation and Stylistics: III
Development of the student's mastery of Spanish by enhancing reading, writing, and communication skills. Intensive practice in composition and translation; introduction to style analysis through discussion of selected texts.
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, or 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 if 468 given in Spanish, second-year standing if 468 given in English.

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, or 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 not be granted for 470 and 470A, 470B.
- May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, or 385

SPAN 471 Units: 1.5 Hours: 3-0
Topics in Medieval Literature
471A - 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.
Pre- or corequisites: One of 370, 375, 380, or 385

471B - 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.
Pre- or corequisites: One of 370, 380, or 385

471C - Special Topics in Medieval Literature (in English)
Formerly: 471
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.
Pre-requisites: Second-year standing.
Note: Credit will be granted for 471, 470, 470A, 470B if taken in different topics. May be taken twice in different topics.

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 473 Units: 1.5 Hours: 3-0
Special Studies in the Golden Age of Literature
473A - Prose of the Golden Age
Study of representative authors, themes, and genres. Authors may include Montemayor, Vélez de Guevara, Delicado, and Gracián.

473B - 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.

473C - 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.

Note: - 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, or 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, or 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, or 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, or 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, or 385

SPAN 478B Units: 1.5 Hours: 3-0
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, or 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 prima-
rily 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, or 385.

SPAN 479 Units: 1.5 Hours: 3-0
Also: ITAL 479
Topics in Hispanic and Italian Literature
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 only one of SPAN 479A, ITAL 479A. May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, or 385 if 479A readings in Spanish, second-year standing if 479A readings in English.

SPAN 479B Units: 1.5 Hours: 3-0
Also: ITAL 479B
The Early Modern Period in Italy and Spain (in English)
Selected Early Modern literature in Italy and Spain. The first half of the course will study the literature and culture of Italy in the period 1350 to 1550. The second half of the course will examine how and when Early Modern Italian literary, aesthetic and cultural ideals reached Spain and consider their impact in the inception and development of Spanish literature in the Golden Age, especially between 1526 and 1626. Emphasis will be on the works of such figures as Petrarch, Sannazzaro, Bembo, Castiglione, Garcilaso, Hendrickson de Lizardi, and others.
Note: Credit will be granted for only one of SPAN 479B, ITAL 479B. May be taken twice in different topics.
Pre-requisites: Second-year standing.

SPAN 481 Units: 1.5 Hours: 3-0
Formerly: 480, 480A
Spanish American Literature from Columbus to Independence
481A - 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. We begin by studying the racial and cultural diversity of early Italian and Spanish America. This will draw from the works of such figures as Petrarke, Sannazzaro, Bembo, Castiglione, Garcilaso, Hendrickson de Lizardi, and others.
Note: Credit will be granted for only one of 483A, 483B, 483C.

SPAN 483 Units: 1.5 Hours: 3-0
Formerly: 480C
Fiction of Spanish America From Independence to the Present
483A - Spanish American Literature of the Nineteenth Century
Representative novels and short stories from the nineteenth century. Discussion of each work within its national and/or regional context.
Note: Credit will be granted for only one of 483A, 483B, 483C.

483B - Fiction from the "Boom" to the Present
Formerly: 480D
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, 483C.

483C - 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-requisites: One of 370, 375, 380, or 385

SPAN 484 Units: 1.5 Hours: 3-0
Topics in Latin American Literature
484A - Latin American Women’s Writing
A selection of women’s writing in Spanish America and Brazil from the sixteenth century up to the present. Discussion of the relevance of each writer within her national and/or regional context. Given in Spanish or English.
Pre-requisites: One of 370, 375, 380, or 385 if 484A given in Spanish; Second Year standing if 484A given in English.

484B - Contemporary Latin American Literature (in English)
A selection of works by twentieth-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.

484C - Colonial Spanish America 1492-1767 (in English)
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.

484D - From Colony to Republic: Spanish America, 1767-1867 (in English)
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.

Pre-requisites: Second-year standing.

SPAN 485A Units: 1.5 Hours: 3-0
Spanish Film
A selection of major accomplishments in Spanish-language film, from the experimental cinema of Buñuel to post-Franco director Almodovar. May be given in Spanish or English.
Note: May be taken twice for credit in different topics.
Pre-requisites: 350A if given in Spanish; second-year standing if given in English.

SPAN 485B Units: 1.5 Hours: 3-0
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-requisites: 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-requisites: One of 370, 375, 380, or 385.

SPAN 490 Units: 1.5 Hours: 3-0
Specialized Language Studies
Generally not more than one of the following will be offered in any given year.

490A - History of the Spanish Language
Formerly: 425
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.

490B - Translation Theory and Practice
Formerly: 426
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.

490C - Advanced Written Spanish
Practise 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
Formerly: 430
Direct Read 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. An oral examination in Spanish, covering the topic of the essay will be given.

STAT

Statistics
Department of Mathematics and Statistics
Faculty of Science

STAT 252 Units: 1.5 Hours: 3-0
Statistics For Business
Descriptive statistics; graphics; modelling and statistical inference for comparing samples from two populations, simple and multiple regression, time series models and contingency tables; introduction to designed experiments. Examples will be taken from business applications. Students will be expected to analyze data using computing facilities.

Notes:
- Credit will be granted for only one of 252, 250, 254, 255, 260. See Credit Limit, page 31.
- Intended for Business students.

Prerequisites: MATH 151 or equivalent.

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, 254, 255, 260. See Credit Limit, page 31.

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, 256. See Credit Limit, page 31.

- Intended primarily for Biochemistry/ Microbiology, Biology, Environmental Studies combined with a Science discipline, Health Information Science and Kinesiology students.

Prerequisites: 1.5 units of mathematics numbered 100 or higher; registration in the Faculty of Science, Faculty of Human and Social Development, Faculty of Education; or permission of the Department.

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, 256.
- Intended primarily for Biochemistry/Microbiology, Biology, Environmental Studies, and Health Information Science students.

Prerequisites: 255 or equivalent.

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 31.

Prerequisites: MATH 101 or 103.

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: 260 or equivalent.

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: MATH 200 or 205 and one of 251, 256, 261.

Prerequisites: 260 or equivalent.

STAT 353 Units: 1.5 Hours: 3-0
Applied Regression Analysis
An outline of linear regression theory with applications.

Prerequisites: One of 261 or 256, and one of MATH 233A or MATH 133, or permission of the instructor.

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: Permission of the Department.
Corequisites: 111, 112 and 120.

Prerequisites: 256 or 261, or permission of the instructor.

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, replication, 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.

THEA

Theatre
Department of Theatre
Faculty of Fine Arts

*Subject to Senate Approval

THEA 101 Units: 3 Hours: 3-0; 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, 110, 111, 112.

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, 110, 111, 112.

THEA 105 Units: 3 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 sound, and theatre organization and practice. Practical assignments will include the preparation and crewing of Department productions. Due to changing production assignments labes may not always meet as timetabled.

Prerequisites:
- Permission of the Department.
Corequisites: 111, 112 and 120.
Thea 110 Units: 1.5  Hours: 3-0
Formerly:  half of 110
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
Formerly:  half of 110
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  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: Credit will be granted for only one of 122, 120, 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: 1-3
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  Hours: 1-4
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 tabs may not always meet as timetabled.
Prerequisites: 105 and permission of the Department.

Thea 210  Units: 1.5  Hours: 3-0
Formerly:  half of 200
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
Formerly:  half of 200
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. Enrollment limited.
Prerequisites: 105, 112, 120; audition and/or interview; permission of the Department.
Corequisites: 205 and 210.

Thea 219  Units: 1.5  Hours: 0-4.5-0
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. Enrollment limited.
Prerequisites: 218; audition and/or interview; permission of the Department.
Corequisites: 205 and 211.

Thea 221  Units: 1.5  Hours: 0-4.5
Formerly:  half of 220
Acting: I
Work in characterization and scene study.

Note: Credit will be granted for only one of 221, 220. Enrollment 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
Formerly:  half of 220
Acting: II
A continuation of Theatre 221. Work in characterization and scene study.

Note: Credit will be granted for only one of 222, 220. Enrollment 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: Enrollment limited.
Prerequisites: 105, 112, 120; audition and/or interview; permission of the Department.
Corequisites: 205, 210 or 211, 221 or 222.

2005-06 UVIC CALENDAR 357

Thea 225  Units: 1.5  Hours: 0-4.5-0
Formerly:  260
Introduction to Stage Movement
Development of a basic movement vocabulary for the stage.

Note: Credit will be granted for only one of 225, 260. Enrollment 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 6 units of any combination of 229, 329, 429. Of those 6 units, only 1.5 units of 229 will normally be given.
Prerequisites: Permission of the Department.
Corequisites: 205, 210 and 211.

Thea 235  Units: 3  Hours: 0-4.5
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 and 211.

Thea 251  Units: 1.5  Hours: 1-3
Formerly: half of 240
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.
Corequisites: 205, 210 and 211.

Thea 252  Units: 1.5  Hours: 1-3
Formerly: half of 240
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.
Corequisites: 205, 210 and 211.

Thea 261  Units: 1.5  Hours: 2-2
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
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.

Thea 305  Units: 1.5 or 3  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, front of house, publicity.

Note: Enrollment limited. May be taken more than once for credit in different topics.
Prerequisites: 205 and permission of the Department.
### COURSE LISTINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 309A</td>
<td>1.5</td>
<td>4-0</td>
<td>211 or MUS 110</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THEA 309B</td>
<td>1.5</td>
<td>4-0</td>
<td>309 or permission of the Department</td>
<td></td>
<td>Modern Opera</td>
</tr>
<tr>
<td>THEA 310</td>
<td>1.5</td>
<td>3-0</td>
<td>311 or permission of the Department</td>
<td></td>
<td>Seminar in Theatre History: I</td>
</tr>
<tr>
<td>THEA 311</td>
<td>1.5</td>
<td>3-0</td>
<td>211 or permission of the Department</td>
<td></td>
<td>Seminar in Theatre History: II</td>
</tr>
<tr>
<td>THEA 312</td>
<td>1.5</td>
<td>3-0</td>
<td>312 or JAPA 320A</td>
<td></td>
<td>Introduction to the History of Japanese Theatre</td>
</tr>
<tr>
<td>THEA 313</td>
<td>1.5</td>
<td>3-0</td>
<td>313 or JAPA 320B</td>
<td></td>
<td>Seminar in Japanese Theatre and Drama: From 1500 to the Present Day</td>
</tr>
<tr>
<td>THEA 314</td>
<td>1.5</td>
<td>3-0</td>
<td>314 or JAPA 320A</td>
<td></td>
<td>Studies in Theatre of the Ancient World</td>
</tr>
<tr>
<td>THEA 315</td>
<td>1.5</td>
<td>3-0</td>
<td>307</td>
<td></td>
<td>Studies in Medieval Theatre</td>
</tr>
<tr>
<td>THEA 316</td>
<td>1.5</td>
<td>3-0</td>
<td>316</td>
<td></td>
<td>Studies in Baroque, Rococo and Neoclassical Theatre</td>
</tr>
<tr>
<td>THEA 317</td>
<td>1.5</td>
<td>3-0</td>
<td>317</td>
<td></td>
<td>Studies in 19th Century Theatre</td>
</tr>
<tr>
<td>THEA 318</td>
<td>1.5</td>
<td>3-0</td>
<td>318</td>
<td></td>
<td>Studies in 20th Century Theatre</td>
</tr>
<tr>
<td>THEA 319</td>
<td>1.5</td>
<td>3-0</td>
<td>319</td>
<td></td>
<td>Studies in Renaissance Theatre</td>
</tr>
<tr>
<td>THEA 320</td>
<td>1.5</td>
<td>4-0</td>
<td>320</td>
<td></td>
<td>Theatre Performance</td>
</tr>
<tr>
<td>THEA 321</td>
<td>1.5</td>
<td>4-0</td>
<td>321 or half of 320</td>
<td></td>
<td>Acting: III</td>
</tr>
<tr>
<td>THEA 322</td>
<td>1.5</td>
<td>4-0</td>
<td>322 or half of 320</td>
<td></td>
<td>Acting: IV</td>
</tr>
<tr>
<td>THEA 323</td>
<td>1.5</td>
<td>4-0</td>
<td>323</td>
<td></td>
<td>Speech in the Theatre: I</td>
</tr>
<tr>
<td>THEA 324</td>
<td>1.5</td>
<td>4-0</td>
<td>324</td>
<td></td>
<td>Speech in the Theatre: II</td>
</tr>
<tr>
<td>THEA 325</td>
<td>1.5</td>
<td>4-0</td>
<td>325</td>
<td></td>
<td>Stage Movement: I</td>
</tr>
<tr>
<td>THEA 326</td>
<td>1.5</td>
<td>4-0</td>
<td>326</td>
<td></td>
<td>Stage Movement: II</td>
</tr>
<tr>
<td>THEA 327</td>
<td>1.5</td>
<td>3-0</td>
<td>327</td>
<td></td>
<td>The Art of Movement</td>
</tr>
<tr>
<td>THEA 328</td>
<td>1.5</td>
<td>3-0</td>
<td>328</td>
<td></td>
<td>The Theatre of Indonesia</td>
</tr>
<tr>
<td>THEA 329</td>
<td>1.5</td>
<td>3-0</td>
<td>329</td>
<td></td>
<td>Theatre Performance</td>
</tr>
</tbody>
</table>

**Notes:**
- Credit will be granted for only one of 309A, 309.
- Students in Humanities and Social Sciences may take this course once only.
- Students should consult the Department for the topic to be considered. May be taken more than once for credit in different topics with permission of the Department.
- Credit will be granted for only one of 309B, 309.
- Credit will be granted for only one of 313, 314.
- Credit will be granted for only one of 319, 308.
- Credit will be granted for only one of 321, 320.
- Credit will be granted for only one of 323, 320.
- Credit will be granted for only one of 324, 320.
- Credit will be granted for only one of 325, 320.
- Credit will be granted for only one of 326, 320.
- Credit will be granted for only one of 328, 320.
- Credit will be granted for only one of 329, 320.
THEA 330 Units: 3 Hours: 1-2
Introduction to Directing
Fundamental textual analysis; stage composition, movement and rhythm; methods of rehearsal procedure and basic techniques of working with the actor.
Prerequisites: 205, 210, 211 and permission of the Department.

THEA 335 Units: 3 Hours: 0-4.5
Applied Theatre: I
Advanced study of the theory and practice of Applied Theatre.
Prerequisites: 205, 210, 211 and 235, or permission of the Department.
Corequisites: 330 and 335 or 336.

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: 105, 111, 112, 205, 210, 211, 251, 252 and permission of the Department.

THEA 352 Units: 1.5 Hours: 0-4
Formerly: half of 340
Scenic Design
Paper projects in the design of stage settings.
Note: Credit will be granted for only one of 352, 340.
Prerequisites: 111, 112, 210, 211, 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 instructor.

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 instructor.

THEA 355 Units: 1.5 Hours: 1-2
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: This course is not intended for students choosing a special option in Design or in Production and Management.
Prerequisites: Permission of the Department.

THEA 356 Units: 1.5 Hours: 1-2
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: 2-2
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 instructor.

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.
Prerequisites: Permission of the Department.

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.
Prerequisites: Permission of the Department.

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 instructor.

THEA 369 Units: 1.5 or 3
Directed Studies in Theatre History
Note: Students in Humanities, Social Sciences and Science may take for elective credit only one of THEA 390, 391, 392, 393, 394.
Prerequisites: 210, 211, 330, and/or permission of the Department.

THEA 370 Units: 1.5 or 3
Directed Studies in Theories of Directing
Note: This course is not intended for students choosing a special option in Design or in Production and Management.
Prerequisites: Permission of the Department.

THEA 371 Units: 1.5 or 3
Directed Studies in the History of Drama
Note: Students in Humanities, Social Sciences and Science may take for elective credit only one of THEA 390, 391, 392, 393, 394.
Prerequisites: 210, 211, and/or permission of the Department.

THEA 372 Units: 1.5 or 3
Directed Studies in Theories of Acting
Note: Students in Humanities, Social Sciences and Science may take for elective credit only one of THEA 390, 391, 392, 393, 394.


**Theatre Performance**

Units: 1.5  
Formerly: half of 420  
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 and 425.  

**THEA 422**  
Units: 1.5  
Formerly: half of 420  
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 and 426.  

**THEA 423**  
Units: 1.5  
Formerly: half of 450  
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 and 425.  

**THEA 424**  
Units: 1.5  
Formerly: half of 450  
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 and 426.  

**THEA 425**  
Units: 1.5  
Formerly: half of 460  
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 and 423.  

**THEA 426**  
Units: 1.5  
Formerly: half of 460  
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 and 424.  

**THEA 429**  
Units: 1.5  
**Theatre Performance**  
Supervised performance in Department productions.  
**Note:** Credit will only be granted for no more than 6 units of any combination of 429, 229, 329. May be taken more than once for credit with permission of the Department.  
**Prerequisites:** Permission of the Department.  
**Grading:** COM, N, or F  

**THEA 431**  
Units: 1.5  
Formerly: half of 430  
Directing: I  
Advanced work in stage direction.  
**Note:** Credit will be granted for only one of 431, 430.  
**Prerequisites:** 330 and permission of the Department.  

**THEA 432**  
Units: 1.5  
Formerly: half of 430  
Directing: II  
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  
Directing for Production  
Directing for department productions.  
**Note:** May be taken more than once for credit to a maximum of 6 units.  
**Prerequisites:** 330 and permission of the instructor.  
**Corequisites:** 431 or 432.  

**THEA 435**  
Units: 3  
Applied Theatre: II  
Advanced study of the theory and practice of Applied Theatre.  
**Prerequisites:** 330, 355 and 335, or permission of the Department.  

**THEA 453**  
Units: 1.5 or 3.0  
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 instructor.  

**THEA 454**  
Units: 1.5 or 3.0  
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 instructor.  

**THEA 464**  
Units: 1.5  
Formerly: 441  
**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  
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 unto the stage.  
**Note:** May be taken more than once for credit to a maximum of 6 units.  
**Pre- or corequisites:** 361, 362, 363 and permission of the instructor.  

**THEA 490**  
Units: 1.5 or 3  
**Graduating Project**  
Students in their final year may take a special project under this number according to their areas of interest and with the permission of the Department.  

**THEA 499**  
Units: 1.5-6  
**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.  

**TL**  
**Teacher-Librarianship**  
Department of Curriculum and Instruction  
Faculty of Education  
Courses offered by the Faculty of Education are also found under the following course codes: AE, DE, ED-D, ED-P, EDI, EDUC, IA, ME, PE, SNSC, TL.  

**TL 432**  
Units: 1.5  
Formerly: LE 432  
The School Library Resource Centre and the Teacher  
The school library resource centre as a vital part of the teacher's program, its philosophy and services. For all teachers elementary and secondary.  
**Note:** Credit will be granted for only one of TL 432, LE 432.  

**TL 433**  
Units: 1.5  
Formerly: LE 433  
The Teacher-Librarian  
The role of the teacher-librarian, administration of the school library resource centre, staffing supervision.  
**Note:** Credit will be granted for only one of TL 433, LE 433.  
**Prerequisites:** Professional Year.  

**TL 438**  
Units: 1.5  
Formerly: LE 438  
Problems and Issues in Teacher-Librarianship  
Addresses current problems and issues facing teacher-librarianship.  
**Note:** Credit will be granted for only one of TL 438, LE 438. May be taken more than once for credit.  
**Prerequisites:** Professional Year.  

**WRIT**  
**Writing**  
Department of Writing  
Faculty of Fine Arts  

**WRIT 100**  
Units: 3  
Formerly: CW 100  
Introduction to Writing  
This course will present a nonhistorical survey of some of the basic structures in poetry, drama, creative non-fiction, and fiction and will involve the students in 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  
Formerly: WRIT 105, WRIT 104  
Introduction to Professional Non-Fiction  
This introductory course prepares students to enter the Department's non-fiction genre courses and the Professional Writing Minor. The course will introduce 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 non-fiction.  
**Notes:** - Credit will be granted for only one of 102, 101, 103, CW 101. - Students are reminded that this is a prerequisite course for the Professional Writing Minor in Journalism and Publishing OR may be applied to the study of writ-
ing in the non-fiction genre for those Writing majors not pursuing the PW Minor.

WRIT 200  Units: 3  Hours: 3-0
Formerly: CW 200
The Theory and Practice of Literary Creation
This is a lecture course surveying the nature of the creative process and considering the many theories about it.
Note: Credit will be granted for only one of 200, CW 200.

WRIT 201  Units: 3  Hours: 0-3
Formerly: CW 201
Poetry Workshop
A workshop seminar in which the students are instructed and guided in the writing of poetry.
Note: Credit will be granted for only one of 201, CW 201. Class limit 15 students.
Prerequisites: A minimum of B in 100.

WRIT 202  Units: 3  Hours: 0-3
Formerly: CW 202
Fiction Workshop
A workshop seminar in which the students are instructed and guided in the writing of fiction.
Note: Credit will be granted for only one of 202, CW 202. Class limit 15 students.
Prerequisites: A minimum of B in 100.

WRIT 203  Units: 3  Hours: 0-3
Formerly: CW 203
Drama Workshop
A workshop seminar focusing on writing for stage in one semester and for screen in the other semester.
Note: Credit will be granted for only one of 203, CW 203. Class limit 15 students. It is highly recommended that students take this course if they are interested in pursuing film writing and production in WRIT 320.
Prerequisites: A minimum of B in 100

WRIT 204  Units: 3.0  Hours: 0-3
Non-Fiction Workshop
A workshop seminar in which the students are instructed and guided in the writing of creative non-fiction.
Note: Class limit 15 students.
Prerequisites: A minimum of B in 100 or a minimum of B+ in 102.

WRIT 215  Units: 1.5  Hours: 3-0
Intermediate Journalism
Continues study of the theory and practice of journalism in Canada. Students review basics of newspaper writing and editing, including development reporting and interviewing skills. The course includes the history of journalism in Canada and discussion of the economics and politics of Canadian journalism, including such issues as ethics, sexism, racism, objectivity, and advocacy.
Note: Credit will be granted for only one of 215, 205. Preference will be given to Professional Writing students.
Prerequisites: WRIT 102 (formerly WRIT 103 and WRIT 104) with a minimum of B+.

WRIT 216  Units: 1.5  Hours: 3-0
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 306 taken in 1995-96 or earlier.
Prerequisites: WRIT 102 (formerly WRIT 103 and WRIT 104) with a minimum of B+.

WRIT 217  Units: 1.5  Hours: 2-1
Formerly: WRIT 317
Design and Production For Publishing
An experience-based guide to working as a professional writer and editor in print and on-line media. Course includes an overview of heritage, basic process and key principles in book publishing, newspapers and Web-content development.
Note: Credit will be granted for only one of 217, 317.
Prerequisites: Second-year standing and WRIT 102 (formerly WRIT 103 and WRIT 104) with a minimum of B+ or permission of the instructor.

WRIT 230  Units: 1.5  Hours: 3-0
Writing a Sense of Place
A lecture course offering an introduction to writers who have made BC a strong element in one or more works. Will include poetry, fiction, drama and prose by writers such as Fred Wah, Audrey Thomas, Patrick Lane, Dorothy Livesay, Earle Birney, Emily Carr.

WRIT 231  Units: 1.5  Hours: 3-0
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 non-fiction.
Prerequisites: Second-year standing.

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 303  Units: 1.5  Hours: 0-3
Poetry Workshop
Note: May be repeated once. Class limit 15 students.
Prerequisites: 201 or equivalent.

WRIT 304  Units: 1.5  Hours: 0-3
Formerly: CW 304A/B
Fiction Workshop
Note: May be repeated once. Class limit 15 students.
Prerequisites: 202 or equivalent.

WRIT 305  Units: 1.5  Hours: 0-3
Formerly: CW 305A/B
Drama Workshop
A workshop seminar in which the students are instructed and guided in the writing of drama for stage, radio, film and television.
Note: May be repeated once. Class limit 15 students.
Prerequisites: 203 or equivalent.

WRIT 306  Units: 1.5  Hours: 3-0
Formerly: CW 306B, WRIT 306B
Electronic Publishing
This course will deal with the practice and theory of electronic publishing and editing in the new millennium, including: HTML, WWW, databases, font design, networks and on-line training.
Note: Credit will be granted for only one of 306, 306B, CW 306B.
Prerequisites: WRIT 217 (formerly 317).

WRIT 307  Units: 1.5  Hours: 3-0
Formerly: CW 307
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.

WRIT 308  Units: 1.5  Hours: 3-0
Formerly: CW 308
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 twentieth-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
Formerly: CW 309
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, scene 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
Formerly: CW 310
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
Formerly: CW 311
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
Formerly: CW 312
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
Formerly: CW 313
Recurrent Themes in Literature
A lecture course surveying recurrent themes in English Literature and in other literatures in translation.
Note: Credit will be granted for only one of 313, CW 313. May be taken more than once in different content with permission of the Department.
Prerequisites: Second-year standing.
WRIT 314  Units: 1.5  Hours: 3-0  
Formerly: CW 314
Changing Perspectives in Literature
A lecture course surveying the different ways in which writers have tackled similar subject matter, taking its material from English literature and other literature in translation.

Note: Credit will be granted for only one of 314, CW 314.

Prerequisites: Second-year standing.

WRIT 315  Units: 1.5  Hours: 0-3  
Formerly: CW 315A & B
Advanced Journalism Workshop
A lecture and workshop course in the techniques of investigative news-gathering and feature writing.

Note: Credit will not be granted for 315 and CW 315A, 315B. This Professional Writing course may not count toward a Major in Writing.

Prerequisites: 3 units from WRIT 215, WRIT 216, WRIT 217 (formerly 317) with a B+ average.

WRIT 316  Units: 1.5  Hours: 0-3  
Formerly: CW 316A & B
Non-Fiction Workshop
A workshop seminar in which the students are instructed and guided in the writing of major non-fiction forms, such as biography, travel, history, and social analysis.

Note: Credit will not be granted for 316 and CW 316A, 316B. May be repeated once. This course may count either toward a Major in Writing or toward a Professional Writing Minor, not both. Class limit 15 students.

Prerequisites: 204; or with permission of the Department.

WRIT 320  Units: 1.5  Hours: 3-0  
Formerly: CW 320
Film Writing and Production Workshop
An intermediate workshop in narrative filmmaking and the basic techniques of film production. There will be a focus 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 with permission of the Department.

Prerequisites: Any of the second-year workshops: 201, 202, 203 or 204, although 203 is strongly recommended.

WRIT 321  Units: 1.5  Hours: 2-1  
Formerly: 317
Applied Issues in Journalism
Students will explore contemporary aspects and issues in journalism, including investigative reporting techniques, on-line editing strategies and ethical reporting.

Note: Credit will be granted for only one of 321, 317 if 317 taken in 1998 or 1999 Winter only. Open only to Professional Writing and Harvey Southam Diploma students.

Prerequisites: 3 units of 200-level Professional Writing courses.

WRIT 329  Units: 1.5  
Twentieth-Century Film Writing
A lecture course that studies writing for film in the twentieth century. The focus may shift from Canadian film to American to European.

Prerequisites: Second-year standing

WRIT 330  Units: 1.5  Hours: 3-0  
Reading in Canadian Media and Culture
A lecture course offering an introduction to major figures in Canadian Journalism and Publishing and Canadian theoreticians of communications, such as Innis, McLuhan, Crean and Nelson.

Note: May be repeated once in different content with permission of the Department.

Prerequisites: Third-year standing.

WRIT 335  Units: 1.5  Hours: 3-0
Basic Forms and Techniques in Creative Non-Fiction
A lecture course surveying the functions of specific techniques in a representative selection of creative non-fiction.

Prerequisites: Second-year standing.

WRIT 336  Units: 1.5  Hours: 3-0
Advanced Forms and Techniques in Creative Non-Fiction
A lecture course surveying formal structures in creative non-fiction.

Prerequisites: Second-year standing.

WRIT 390  Units: 3  
Formerly: CW 390
Directed Studies in Writing
Directed studies for credit, third or fourth-year standing, an A average in the area of specialization, and permission of the Department.

WRIT 391  Units: 1.5  
Formerly: CW 391
Directed Studies in Writing
Directed studies for 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: 3-0
Special Genres Workshop/Workshop Seminars
A workshop seminar that will focus exclusively on a particular sub-genre, such as the prose poem, documentary fiction, lyrical novel, or radio play.

Note: May be repeated once in different content with permission of the Department. Class limit 15 students.

Prerequisites: 3 units of 303, 304, 305, 316 and permission of the instructor.

WRIT 401  Units: 1.5  Hours: 0-3
Formerly: CW 401A/B
Advanced Poetry Workshop
Note: May be repeated once. Class limit 15 students.

Prerequisites: 3 units of 303 or equivalent.

WRIT 402  Units: 1.5  Hours: 0-3
Formerly: CW 402A/B
Advanced Fiction Workshop
Note: May be repeated once. Class limit 15 students.

Prerequisites: 3 units of 304 or equivalent.

WRIT 403  Units: 1.5  Hours: 0-3
Formerly: CW 403A/B
Advanced Drama Workshop
Note: May be repeated once. Class limit 15 students.

Prerequisites: 3 units of 305 or equivalent.

WRIT 404  Units: 1.5  Hours: 0-3
Formerly: CW 404A
Introduction to Photojournalism
This course introduces basic photography for newspaper publication. Black-and-white photography will be emphasized. Camera handling, exposure, lighting, darkroom techniques and digital photography will be covered.

Notes: - Credit will be granted for only one of 404, CW 404A.
- Open only to Professional Writing Co-op and Harvey Southam Diploma students. Class limit 16 students.
- Students will require a 35mm camera with light meter and approximately $45-$60 for materials. Darkroom facilities and digital cameras will be provided by the department.

Prerequisites: WRIT 102 (formerly WRIT 103 and WRIT 104).

WRIT 405  Units: 1.5  Hours: 0-3
Introduction to the Prose Poem
A seminar and workshop concentrating on the prose poem. Aspects of the form that will be discussed will include rhythm, narrative, voice, figurative language, imagery, and point of view.

Prerequisites: 3 units from any 300-level workshop.

WRIT 406  Units: 1.5  Hours: 0-3
Writing Fiction for Children
This workshop/seminar will focus on writing for children. The course is designed to familiarize writers with different types of children’s books and the requirements for writing books for children in any particular form or subject area. Those elements necessary for writing successful children's literature will be examined. Students will be expected to write stories for children in selected forms such as the picture book, the chapter book, the Young Adult novel.

Prerequisites: 3 units from any 300-level workshop.

WRIT 407  Units: 1.5  Hours: 0-3
Advanced Photojournalism
The course is intended as a continuation of WRIT 404. Emphasis will be on photographing news, feature and sports events, with the goal of completing a photojournalism portfolio. Advanced techniques and the history of photojournalism will be covered.

Note: Students will require a 35mm camera, at least two lenses and approximately $75-100 for supplies. Darkroom facilities supplied by the Department.

Prerequisites: WRIT 404 with a minimum of B+ or equivalent. Students must have a good knowledge of camera handling and basic digital techniques.

WRIT 410  Units: 1.5  Hours: 3-0
Special Craft Workshop/Seminar
A seminar and workshop that examines elements of craft in a particular genre or a series of genres. There may also be a thematic focus; for example, a concentration on nature, spiritual or travel writing.

Note: May be repeated once in different content with permission of the Department.

Prerequisites: any of the third-year workshops: 303, 304, 305 or 316; or with permission of the Department.

WRIT 412  Units: 1.5  Hours: 0-3
Recurrent Themes in Film
A lecture/seminar allowing students to develop the craft of writing about film through study of selected directors, film trends, and national cinemas.
Note: May be repeated once in different content with permission of the Department.

Prerequisites: Second-year standing or permission of the Department.

WRIT 416 Units: 1.5 Hours: 0-3
Formerly: CW 416
Advanced Non-Fiction Workshop
A workshop seminar in which the students are instructed and guided in the writing of major non-fiction forms, such as biography, travel, history, social analysis.

Note: May be repeated once. Class limit 15 students.

Prerequisites: 3 units from 315 or 316.

WRIT 417 Units: 1.5
Print Publishing: Principles, Editing and Production
A workshop course introducing senior students to the principles and practice of print design and production, and to the basics of editing and selection of manuscript materials. This course is geared to students interested in entering the publishing world.

Prerequisites: 217 and 306 or permission of the Department.

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. There will be a focus on script analysis, screen-directing technique and film production.

Prerequisites: WRIT 320

WRIT 490 Units: 3
Formerly: CW 490
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 cannot 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
Formerly: CW 491
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 cannot 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.

WRIT 495 Units: 3
Senior Thesis Project
The thesis project will be done under the guidance of an individual tutor.

Note: For Diploma students only.

Grading: INP, COM, N, F

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.

Prerequisites: One of 102, 103, 104, 110; or permission of the instructor.

WS 203 Units: 1.5 Hours: 3-0
Reading Popular Culture
Examines the construction of gender, sex and class and race in popular culture with a consideration of how social, political and historical forces influence both the production and consumption of media practices. The primary methodologies will be those of interdisciplinary feminist cultural and media studies. Although an introduction to reading popular culture, this course will work with feminist, anti-racist, anti-homophobia premises as well as with counter-ideological assumptions.

Prerequisites: One of 102, 103, 104, 110; or permission of the instructor.

WS 204 Units: 1.5 Hours: 3-0
Fast Feminisms: Toward a New Politics of Sexuality
Introduction to the themes, topics and debates in twentieth-century studies of gay, lesbian, bisexual, transgender and transsexual sexualities, Queer Theory and social constructionist methodologies.

Prerequisites: One of 102, 103, 104, 110; or permission of the instructor.

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; food and disordered eating; the place of commensality in community-building.

Prerequisites: One of 102, 103, 104, 110; or permission of the instructor.

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 restructuring, 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 instructor.

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.
COURSE LISTINGS

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; or permission of the instructor.

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; or permission of the instructor.

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 warlordship.
Prerequisites: Second-year standing or permission of the instructor.

WS 327  Units: 1.5  Hours: 3-0
Discerning Masculinities
Introduces students to the new field(s) of masculinities studies through popular culture, film, fiction and theoretical writing.
Prerequisites: Second-year standing or permission of the instructor.

WS 328  Units: 1.5  Hours: 3-0
Thinking Whiteness
Social construction of whiteness is an important problem in several disciplines, including American historiography, anti-racism theory, cultural criticism, feminist theory, queer theory and masculinity studies. Interrogates meanings of whiteness not only as a theoretical problem but also as it is articulated through popular culture as nation, ethnicity, gender, sexuality and class.
Prerequisites: One of 202, 203, 204, 205, 206, 207, 210; or permission of the instructor.

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 instructor.

WS 330A  Units: 1.5  Hours: 3-0
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.
Prerequisites: One of 202, 203, 204, 205, 206, 207, 210; or permission of the instructor.

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 psychoanalytic theories.
Note: Recommended preparation for 336, Anti-Racist Feminisms and Democratic Futures.
Prerequisites: Second-year standing or permission of the instructor.

WS 336  Units: 1.5  Hours: 3-0
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, 334 (recommended); or permission of the instructor.

WS 337  Units: 1.5  Hours: 3-0
Theorizing the Contemporary Body
Explores the way various contemporary schools of thought have conceptualized the body and embodied representations. Will interrogate a diverse range of 20th century “bodies,” from the psychoanalytical body to fragmented bodies in postmodernism; the sexualized body in Queer Theory; post-colonial bodies in nations; performative bodies; virtual bodies in new media as well as the transgendered and transsexual body.
Prerequisites: Second-year standing or permission of the instructor.

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 transnationalism. Uses an interdisciplinary approach to explore: global/local interactions, migration and territorialization, women’s activism and organizing, nationalism 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 instructor.

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 instructor.

WS 340  Units: 1.5  Hours: 3-0
Indigenous Cinema: De-Colonizing the Screen
Intensive analysis of the work of Indigenous filmmakers with emphasis on Canada and the U.S. Topics include: de-colonizing the screen; issues of identity and representation; 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 instructor.

WS 341  Units: 1.5  Hours: 3-0
Narrating Lives: Indigenous Women's Auto/Biographies
Explores Indigenous women's auto/biographies 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 to change the boundaries of conventional autobiography.
Prerequisites: One of 202, 203, 204, 205, 206, 207, 210; or permission of the instructor.

WS 342  Units: 1.5  Hours: 3-0
Body, Language and Spirit
Based on literature and film from a variety of cultural contexts, examines women's creativity as a means of shaping consciousness, recovering bodily integrity, and challenging oppressive boundaries.
Prerequisites: One of 203, 204, 205, 206, 207, 210; or permission of the instructor.

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 instructor.

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: One of 202, 203, 204, 205, 206, 207, 210; 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 instructor.

WS 400A  Units: 1.5  Hours: 3-0
Feminist Research Practices
Study and practice of feminist research methods.
**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210; minimum 4.5 units of upper-level WS courses which must include WS 330A; or permission of the instructor.

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<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>WS 400B</td>
<td>1.5</td>
<td>3-0</td>
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</tr>
<tr>
<td><strong>Research Seminar for Independent Project</strong></td>
<td></td>
<td></td>
<td>Building on project begun in 400A, students meet weekly to discuss research challenges. <strong>Note:</strong> Open to Women's Studies Major students only. <strong>Prerequisites:</strong> 400A.</td>
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<tr>
<td>WS 450</td>
<td>3</td>
<td>3-0</td>
<td></td>
</tr>
<tr>
<td><strong>Practising Feminism in the Field</strong></td>
<td></td>
<td></td>
<td>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 131. <strong>Note:</strong> Open only to Women's Studies Major or Honours students, and requires permission of the instructor. <strong>Prerequisites:</strong> One of 202, 203, 204, 205, 206, 207, 210; any three 300-level WS courses.</td>
</tr>
<tr>
<td>WS 480</td>
<td>1.5</td>
<td>3-0</td>
<td></td>
</tr>
<tr>
<td><strong>Advanced Seminar in Women's Studies</strong></td>
<td></td>
<td></td>
<td>An advanced seminar in selected aspects of Women's Studies. <strong>Prerequisites:</strong> One of 202, 203, 204, 205, 206, 207, 210; minimum of 6 units of upper-level WS credit; or permission of the instructor.</td>
</tr>
<tr>
<td>WS 490</td>
<td>1.5</td>
<td>3-0</td>
<td></td>
</tr>
<tr>
<td><strong>Directed Studies</strong></td>
<td></td>
<td></td>
<td>Supervised study in some area of Women's Studies to be determined by the student and the instructor; written assignments will be required. <strong>Note:</strong> Open only to Women's Studies Major or Honours students with a minimum GPA of 6.0. May be taken more than once to a maximum of 3 units. <strong>Prerequisites:</strong> One of 202, 203, 204, 205, 206, 207, 210; minimum of 6 units of upper-level WS credit; or permission of the instructor.</td>
</tr>
<tr>
<td>WS 499</td>
<td>3</td>
<td>3-0</td>
<td></td>
</tr>
<tr>
<td><strong>Honours Graduating Essay</strong></td>
<td></td>
<td></td>
<td>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. <strong>Note:</strong> 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.</td>
</tr>
</tbody>
</table>
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 Dunsirn 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 enrollment 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 UNIVERSITY OF VICTORIA

D. Michael Miller, BSc, MSc, PhD, Dean, Faculty of Engineering
Tom Pedersen, BSc, PhD, Dean, Faculty of Science
Andrew Petter, LLB, LLM, Dean, Faculty of Law
Andrew A. Rippin, BA, MA, PhD, Dean, Faculty of Humanities
Margaret C. Swanson, BA, BLS, University Librarian
S. Martin Taylor, BA, MA, PhD, Vice-President, Research
David H. Turpin, BSc, PhD, FRSC, President (Chair)

Members Elected by the Individual Faculties

Business
Saul Klein, BA, MBA, PhD
Ian Stuart, BSc, MBA, PhD

Education
Robert Anthony, BA, MA, PhD
Leslee Francis Pelton, BSc, MA

Engineering
Afzal Suleman, BSc, MSc, PhD
Fayez Gebali, BSc, PhD

Fine Arts
Christopher Thomas, BA, MA, PhD
Jan Wood, BFA

Graduate Studies
John Dower, BSc, PhD
Anne Marshall, BA, MA, PhD

Human and Social Development
Xiaobei Chen, BA, MPhil, PhD
Jeanne Moreau, BSN, MN

Humanities
Hua Lin, BA, MEd, PhD
Annalee Lepp, BA, MA, PhD

Law
Martha O’Brien, BA, LLB, LLM
Heather Raven, BA, LLB

Science
Adam Monahan, BSc, MSc, PhD
Robert Burke, BSc, PhD

Social Sciences
Michael Edgell, BA, Con. Dip., PhD
Kenneth Stewart, BA, MA, MSc, PhD

Members Elected by the Faculty Members
Ted Durcie, BSc, MAsc, PhD
Isobel Dawson, BSc, MSc, MA, PhD
Susan Lewis-Hammond, BA, BMus, MM, MFA, PhD
Amy Verdun, MA, PhD
Reginald Mitchell, BA, MA, PhD
Patricia Kostek, BSc, MMus
Peter Murphy, BA, BEd, MED, PhD
Olaf Niemann, BSc, MSc, PhD
Mary Ellen Purkis, BSN, MSc, PhD
Micaela Serra, BSc, MSc, PhD
Evelyn Cobley, BA, MA, PhD
Ismet Ugursal, BSc, MEng, PhD

Members Elected by the Student Association

Full-time Students (Terms expire June 30, 2006)
Chadi Akouri
Branden Beatty
Will Colish
Matthew Cooper
Maya Gislason
Whitney Huntley
Jaden Langford
Jonathan Morris
Tyler Price

George Robinson
John O’Shaughnessy
Jessica Page
Elliot Song
Kyle Vucko

Members Elected by the Convocation (Terms expire December 31, 2005)
Cheryl Borris, BMus, MA
Mark Bridge, BSc, LLB, LLM
Kim McGowan, BA, MPA
Vivian Muir, BA, MSc, LLB

Members Elected by the Professional Librarians
Wendie McHenry, BA, MLS

Long Service Sessional
Sunil Kaplash, BA, MA, MBA

Secretary Registrar
Julia Eastman, BA, MA, University Secretary

FOUNDATION FOR THE UNIVERSITY OF VICTORIA

Members of the Board
Linda Jules, BA
Michael Marley
Andrew Rachert, BA, MA, LLB (Chair)
Gail Flitton, BA

Officers
President: David H. Turpin, BSc, PhD, FRSC
Treasurer: Kristi Simpson

Secretary
Julia Eastman, BA, MA

UNIVERSITY OF VICTORIA FOUNDATION

Members of the Board
Lana Denoni
Jack Falk, BA, MPA (ex officio)
Jane Heffelfinger, BA
Lisa Hill
A. Wayne Hopkins, BComm, MBA, PhD, FCA
Paul Longtin, BA, MPA
Susan Mehanigic, CA, LLB (Chair)
President David H. Turpin, BSc, PhD, FRSC (ex officio)
John van Cuylenborg, BA, LLB
Faye Wightman, BSN, RN (President)
Kristi Simpson (ex officio) (Treasurer)
Anne Wortmann

Secretary
Julia Eastman, BA, MA
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 red 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 broadcloth, trimmed with blue-purple silk taffeta
Hood  Aberdeen pattern, outside shell of scarlet wool broadcloth, 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

HonDLit: white  HonDMus: pink
HonDDed: blue  HonDSc: gold
HonDEng: orange  HonDSN: apricot
HonDA: 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 necklace), 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
BEng: orange  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 necklace and a narrow band of black velvet one inch from edge of hood on the outside only. Others are:

MASc: orange  MPA: russet
### Statistics

#### Enrollments

Figures for all faculties except Graduate Studies show the number of full-time undergraduate students (those registered in 12 units or more).

<table>
<thead>
<tr>
<th>Faculty of Business</th>
<th>2003/04</th>
<th>2004/05</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Year</td>
<td>20</td>
<td>7</td>
</tr>
<tr>
<td>Third Year</td>
<td>165</td>
<td>175</td>
</tr>
<tr>
<td>Fourth Year</td>
<td>198</td>
<td>202</td>
</tr>
<tr>
<td>Unclassified as to year</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total in Faculty</strong></td>
<td>387</td>
<td>390</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Faculty of Education</th>
<th>2003/04</th>
<th>2004/05</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Year</td>
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<td>36</td>
</tr>
<tr>
<td>Third Year</td>
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<td>174</td>
</tr>
<tr>
<td>Fourth Year</td>
<td>177</td>
<td>192</td>
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<tr>
<td>Fifth Year</td>
<td>270</td>
<td>236</td>
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<tr>
<td>Sixth Year</td>
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<td>3</td>
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<tr>
<td>Unclassified as to year</td>
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<td>1</td>
</tr>
<tr>
<td><strong>Total in Faculty</strong></td>
<td>658</td>
<td>642</td>
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<table>
<thead>
<tr>
<th>Faculty of Engineering</th>
<th>2003/04</th>
<th>2004/05</th>
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<tr>
<td>First Year</td>
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<td>291</td>
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<tr>
<td>Second Year</td>
<td>278</td>
<td>248</td>
</tr>
<tr>
<td>Third Year</td>
<td>436</td>
<td>386</td>
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<tr>
<td>Fourth Year</td>
<td>406</td>
<td>383</td>
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<tr>
<td>Unclassified as to year</td>
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<tr>
<td><strong>Total in Faculty</strong></td>
<td>1,490</td>
<td>1,344</td>
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<tr>
<th>Faculty of Fine Arts</th>
<th>2003/04</th>
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<tr>
<td>First Year</td>
<td>212</td>
<td>208</td>
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<tr>
<td>Second Year</td>
<td>205</td>
<td>201</td>
</tr>
<tr>
<td>Third Year</td>
<td>207</td>
<td>206</td>
</tr>
<tr>
<td>Fourth Year</td>
<td>203</td>
<td>203</td>
</tr>
<tr>
<td>Unclassified as to year</td>
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<tr>
<td><strong>Total in Faculty</strong></td>
<td>837</td>
<td>826</td>
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<tr>
<th>Faculty of Human and Social Development</th>
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<td>Second Year</td>
<td>40</td>
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<tr>
<td>Third Year</td>
<td>201</td>
<td>205</td>
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<tr>
<td>Fourth Year</td>
<td>287</td>
<td>328</td>
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<td><strong>Total in Faculty</strong></td>
<td>544</td>
<td>577</td>
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<table>
<thead>
<tr>
<th>Faculty of Humanities</th>
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<th>2004/05</th>
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<tbody>
<tr>
<td>First Year</td>
<td>405</td>
<td>387</td>
</tr>
<tr>
<td>Second Year</td>
<td>474</td>
<td>401</td>
</tr>
<tr>
<td>Third Year</td>
<td>418</td>
<td>439</td>
</tr>
<tr>
<td>Fourth Year</td>
<td>360</td>
<td>396</td>
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<tr>
<td>Unclassified as to year</td>
<td>34</td>
<td>31</td>
</tr>
<tr>
<td><strong>Total in Faculty</strong></td>
<td>1,691</td>
<td>1,654</td>
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<table>
<thead>
<tr>
<th>Faculty of Law</th>
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<tr>
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<td>101</td>
</tr>
<tr>
<td>Second Year</td>
<td>117</td>
<td>127</td>
</tr>
<tr>
<td>Third Year</td>
<td>106</td>
<td>108</td>
</tr>
<tr>
<td>Unclassified as to year</td>
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<td>5</td>
</tr>
<tr>
<td><strong>Total in Faculty</strong></td>
<td>334</td>
<td>341</td>
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<table>
<thead>
<tr>
<th>Faculty of Science</th>
<th>2003/04</th>
<th>2004/05</th>
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</thead>
<tbody>
<tr>
<td>First Year</td>
<td>417</td>
<td>493</td>
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### Faculty of Social Sciences

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<th>Department</th>
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<tr>
<td>First Year</td>
<td>584</td>
<td>664</td>
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<tr>
<td>Second Year</td>
<td>697</td>
<td>719</td>
</tr>
<tr>
<td>Third Year</td>
<td>723</td>
<td>766</td>
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<tr>
<td>Fourth Year</td>
<td>627</td>
<td>631</td>
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<tr>
<td>Unclassified as to year</td>
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<td>34</td>
</tr>
<tr>
<td><strong>Total in Faculty</strong></td>
<td>2,673</td>
<td>2,817</td>
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</tbody>
</table>

| Total full-time undergraduates | 10,279 | 10,407 |
| Total part-time undergraduates  | 5,777  | 5,494  |
| Total undergraduates            | 16,056 | 15,901 |

### Faculty of Graduate Studies

<table>
<thead>
<tr>
<th>Type</th>
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<th>2004/05</th>
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<tbody>
<tr>
<td>Full-time</td>
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<td>2,045</td>
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<tr>
<td>Part-time</td>
<td>340</td>
<td>355</td>
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<tr>
<td><strong>Total in Faculty</strong></td>
<td>2,359</td>
<td>2,400</td>
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<tr>
<td><strong>Grand Total</strong></td>
<td>18,415</td>
<td>18,301</td>
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### Full-Time Undergraduate and Graduate Students of Non-BC Origin

<table>
<thead>
<tr>
<th>Province</th>
<th>2003/04</th>
<th>2004/05</th>
</tr>
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<tbody>
<tr>
<td>Alberta</td>
<td>376</td>
<td>427</td>
</tr>
<tr>
<td>Manitoba</td>
<td>20</td>
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</tr>
<tr>
<td>New Brunswick</td>
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<tr>
<td>Newfoundland</td>
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<tr>
<td>Northwest Territories</td>
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<td>8</td>
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<tr>
<td>Nova Scotia</td>
<td>9</td>
<td>16</td>
</tr>
<tr>
<td>Nunavut</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Ontario</td>
<td>346</td>
<td>379</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Quebec</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>39</td>
<td>44</td>
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<tr>
<td>Yukon</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Other Countries</td>
<td>965</td>
<td>1,096</td>
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<tr>
<td><strong>Total</strong></td>
<td>1,792</td>
<td>2,021</td>
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### Degrees Conferred in 2003-2004

<table>
<thead>
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<th>Degree</th>
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<tbody>
<tr>
<td>BA</td>
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<td>BCom 173</td>
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<tr>
<td>BEd</td>
<td>255</td>
<td>BEng 184</td>
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<tr>
<td>BFA</td>
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<td>BMus 58</td>
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<tr>
<td>BSc</td>
<td>694</td>
<td>BSN 272</td>
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<tr>
<td>BSW</td>
<td>134</td>
<td>LLB 122</td>
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<tr>
<td>MA</td>
<td>156</td>
<td>MAsc 24</td>
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<tr>
<td>MBA</td>
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<tr>
<td>MEng</td>
<td>1</td>
<td>MFA 11</td>
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<tr>
<td>MMus</td>
<td>7</td>
<td>MN 5</td>
</tr>
<tr>
<td>MPA</td>
<td>31</td>
<td>MSc 88</td>
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<tr>
<td>MSW</td>
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<td>PhD 68</td>
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</table>

### Degrees Granted at the Colleges 2004

<table>
<thead>
<tr>
<th>College</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Okanagan</td>
<td>BEd 38</td>
</tr>
</tbody>
</table>

Source: University of Victoria Registration Statistics as of November 1, 2003
Key Contacts at the University of Victoria

EXECUTIVE AND ADMINISTRATIVE OFFICERS

Fax Telephone
President: Dr. David H. Turpin 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INDEX

A
Aboriginal community-based course work 111
Aboriginal course descriptions 306
Aboriginal counselling 18
Aboriginal Liaison Officer 18
Aboriginal student services 18
Academic advising 4, 12, 463
Academic concessions 14, 33, 39. See also Illness
Academic integrity, policy on 31, 208
Academic integrity, policy on 31, 208
Academic probation 7, 30, 35
Academic regulations, undergraduate 29. See also Graduate Studies
Academic requirements 20
documentation required for 20, 25
undergraduate 39
MBA 214
undergraduate 39
Addictions Research, Centre for 269
Adding courses 27
Graduate Students
Academic supervisor 211
Academic sessions 10
Academic supervisor (Graduate Studies) 211
Academic year 6
Acceptance deposit
Faculty of Education 60, 61, 65
MBA 214
undergraduate 39
Addictions Research, Centre for 269
Adding courses 27
Administrative officers 463
Admission, undergraduate 20. See also Graduate Studies
appealing admission decisions 20
applying for 20
documentation required for 20, 25
requirements 20
applicants from secondary school 21
applicants whose first language is not English 20
First Nations, Métis and Inuit applicants 24
international applicants 25
international partner institutions, applicants from 25
qualifying student applicants 24
special access applicants 23
transfer applicants. See Transfer applicants Year I 22
Admissions Handbook 12
Adult Dogwood Diploma 23
Advanced Materials and Related Technology, Centre for 269
Advanced placement 29
Advanced placement credits 23
Advanced standing, admission with. See Transfer applicants
Aging, Centre on 268
Alumni Association 18
Anthropology, Department of 183, 217
course descriptions 280
graduate programs 217
undergraduate programs 183
co-operative education 184
Appeals. See also Graduate Studies
concerning academic matters 37
fee reduction 39
of admission decisions 20
of grade for term work 35
of penalties for violations of academic integrity 31
of required withdrawal 27, 36
to the Senate 37
Application deadlines 8
Applied Ethics, Minor in 127, 142, 155, 183, 264
Applied Linguistics
BA in 137
Diploma in 138
Art. See Visual Arts
Art Education
course descriptions 279
Arts Co-operative Education Program 94, 127
Arts of Canada 93, 94, 127, 155, 182, 262
course descriptions 277
Asia-Pacific Initiatives, Centre for 269
Assistantships, graduate 217
Astronomy. See also Physics and Astronomy
course descriptions 285
graduate programs 252
undergraduate programs 173
Athletics and Recreational Services 12
dates 40
Attendance 29
Auditors 7, 28, 206
dates for 40, 214
Awards
graduate 33, 201
undergraduate 32
B
Bamfield Marine Sciences Centre 158
BC College of Teachers 59
BC Freedom of Information and Protection of Privacy Act (1992) 10
BC Transfer Guide 23, 25, 97
Biochemistry and Microbiology, Department of 155, 218
course descriptions
Biochemistry 286
Microbiology 405
graduate programs 218
undergraduate programs 155
co-operative education 157
Biological, Department of 157, 219
course descriptions
Biology 287
Forest Biology 349
Marine Science 406
Bursaries
graduate 217
undergraduate 40, 41
Business, Faculty of 44
courses 45
academic regulations 49
admissions 45
Bachelor of Commerce requirements 50
co-operative education, undergraduate 51
courses
Commerce 296
Entrepreneurship 340
Hospitality 379
International Business 380
MBA 397
graduate program (MBA) 220
MBA/LLB program 149, 221
Calculus Challenge Examination 23
Campus housing 15
Canadian Bible Colleges, admission from 24
Canadian Forces University Training Plans 17
Canadian Studies, Diploma Program in 263
courses 299
Canadian University Study Abroad Program 23, 30
Certificate programs
Administration of Indigenous Governments
109
Adult and Continuing Education 266
Application and Management of Information Technology 266
Business Administration 266
Canadian Studies 266
Computer Based Information Systems 266
Environmental and Occupational Health 266
Foundations in Indigenous Fine Arts 95, 266
Heritage Conservation Planning, Professional Specialization 96
International Intellectual Property Law 266
Kodaly Methodology 67
Professional Specialization. See School of Public Administration
Public Management 266
Public Relations 266
Restoration of Natural Systems 266
CFUV Radio 17
Chancellor 459
Chapel 13
Chaplains, services, interfaith 15
Cheating. See Academic Integrity, policy on Chemistry, Department of 162, 222
courses 292
graduate programs 218
undergraduate programs 162
co-operative education 164
Child and Youth Care, School of 109, 223
courses 304, 306
fee 40
minimum degree requirements for 36
standing at 36
Grants 41. See also Financial Aid
Greek and Roman Studies, Department of 133, 238
course descriptions
Greek 360
Greek and Roman Studies 361
Latin 384
graduate programs 238
undergraduate programs 133
GSS Extended Health Care and Dental Insurance
Plans 214
H
Harassment policy 11
Harvey Southam Diploma in Writing and Editing 104
Health Information Science, School of 111, 238
admission requirements, undergraduate 112
course descriptions 371
graduate programs 238
undergraduate program 112
co-operative education 113
Health plan 40, 214
Health Services 14
Hispanic and Italian Studies, Department of 134, 239
Hispanic Studies 134, 239, 445
Italian Studies 135, 239, 360
Mediterranean Studies 135, 404
Portuguese 428
Historical outline of the University 459
History, Department of 135, 240
course descriptions 372
graduate programs 240
undergraduate programs 136
History in Art, Department of 95, 241
course descriptions 364
Diploma in Cultural Resource Management 96
graduate programs 241
undergraduate programs 95
Honorary degree recipients 461
Housing 15
Housing registry, off-campus 15
Human and Social Development, Faculty of 106
academic regulations 107
admissions 107
degrees and programs offered 107
graduate programs 242
Interdisciplinary MA in Dispute Resolution 243
Master of Arts in Indigenous Governance 243
Studies in Policy and Practice in Health and Social Services 242
undergraduate programs
Child and Youth Care 109
Health Information Science 112
Indigenous Governance 109
Nursing 114
Public Administration 117
Social Work 120
Humanities Centre 270
Humanities, Diploma Program in the 264
course descriptions 379
Humanities, Faculty of 123
academic advice 124
academic regulations 124
admission 124
co-operative education program (Arts Co-op) 127
degrees and programs offered 124
departmental programs. See also departmental entries
English 127, 234
French 130, 235
Germanic and Russian Studies 132, 237
Greek and Roman Studies 133, 238
Hispanic and Italian Studies 134, 239
History 135, 240
Linguistics 137, 244
Medieval Studies 138
Pacific and Asian Studies 139, 250
Philosophy 142, 251
Women's Studies 142
interfaculty programs 126
program requirements, undergraduate 125
commom to all bachelor's degrees 125
general 127
honours 125
major 126
minor 127
I
Identity cards 10
illness
academic concessions due to 14, 33, 39
defered status due to 33
Indigenous Fine Arts, Certificate Program in Foundations of 95
Indigenous Governance Programs 109, 243
course descriptions 380
Indigenous Governance, Certificate in the Administration of 109
Indigenous Studies, Minor in 127, 155, 182, 263
course descriptions 381
Individually supervised studies 28
Institute for Co-operative Studies, British Columbia 268
Institute for Dispute Resolution 271
Institute for Integrated Energy Systems (IESVic) 271
Integrated Energy Systems, Institute for 271
Intercultural Education and Training, Diploma Program in 264
course descriptions 380
Interdisciplinary programs 262
Applied Ethics, Minor in 264
Arts of Canada 262
Canadian Studies, Diploma Program in 263
European Studies 263
Film Studies 262
Humanities Diploma Program 264
Indigenous Studies 263
Intercultural Education and Training, Diploma Program in 264
Religious Studies 263
Interfaith chapels 13
Interfaith Chaplains Services 15
International Affairs, Office of 18
International and Exchange Student Services 16
International Baccalaureate Diploma 23, 24
International partner institutions 25
International students
admission requirements for, undergraduate 25
fees for

2005-06 UVIC CALENDAR
INDEX

Master of Business Administration 221
course descriptions 397
Mathematics and Statistics, Department of 170, 245
course descriptions 394, 448
graduate programs 245
undergraduate programs 170
co-operative education 173
MBA. See Master of Business Administration
McPherson Library 12
Mechanical Engineering, Department of

course descriptions 399
graduate programs 246
undergraduate programs 90
Medical program. See Island Medical Program
Medical Services. See Health Services
Medieval Studies Program 138
course descriptions 404
Medicine, School of 114, 248
Master of Business Administration 221
See MBA.

Microbiology. See Biochemistry and Microbiology
course descriptions 405
Minimum sessional grade-point average 35
Minor 7
Faculty of Education 68, 69
Faculty of Engineering 75, 79, 85, 88, 90
Faculty of Fine Arts 94, 99, 104
Faculty of Human and Social Development
108, 121
Faculty of Humanities 127
Faculty of Science 155
Faculty of Social Sciences 182
Multidisciplinary programs. See Interdisciplinary Programs
Music Education
course descriptions 398
Music, School of 96, 247
course descriptions 406
graduate programs 247
undergraduate programs 97
Mutually exclusive courses 30
N

Native Student Union 18
Non-credit programs. See Division of Continuing Studies
Non-degree student 24
Faculty of Engineering 71
Faculty of Graduate Studies 203
fees 214
Nursing, School of 114, 248
course descriptions 410, 411, 412
graduate programs 248
undergraduate programs 114
O

Off-campus courses 266
Off-Campus Housing Registry 15
Office of International Affairs 18
OLC Network 18
Ombudsperson 17
P

Pacific and Asian Studies, Department of 139, 250
Chinese Studies 141
course descriptions 295
graduate program 250
Japanese Studies 141
course descriptions 383
Pacific Studies 140, 141
course descriptions 414
Southeast Asian Studies 141
course descriptions 436
Pacific Studies. See Pacific and Asian Studies
PADRE form 126, 127, 154, 155, 182, 206, 208
Peer helping 14
Philosophy, Department of 142, 251
graduate programs 251
undergraduate programs 142
course descriptions 420
Physical Education. See Education, Faculty of
course descriptions 420
Physics and Astronomy, Department of 173, 252
Astronomy programs 175
course descriptions 285
combined programs
Physics and Astronomy 175
Physics and Biochemistry 177
Physics and Computer Science 177
Physics and Earth Sciences (Geophysics) 176
Physics and Mathematics 176
Physics and Ocean Sciences (Physical Oceanography) 177
co-operative education, undergraduate 178
graduate programs 252
Physics programs 174
course descriptions 423
Plagiarism 7, 31, 153, 181, 208. See also Academic integrity
Policies, general University 11
academic integrity 31, 208
accommodation of religious observance 11
discrimination and harassment 11
inclusivity and diversity 11
student discipline 11
Political Science, Department of 193, 253
course descriptions 426
graduate programs 253
undergraduate programs 193
co-operative education 194
course index 194
Portuguese 428
Practica regulations
Faculty of Education 58
Faculty of Human and Social Development 108
Faculty of Humanities 125
Preprofessional studies 28
President and Vice-Chancellor 459
Preview Newsletter 12
Privacy, Protection of and Access to Information Act 10
Prizes. See Scholarships
Probation
academic 7, 20, 30, 35
disciplinary 32, 209
Professional development programs 266
Professional Specialization Certificates 119. See also School of Public Administration
Professional writing
Minor, Department of English (Faculty of Humanities) 130
coop program 130
Minor in Journalism and Publishing (Faculty of Fine Arts) 104
coop program 105
Program Audit and Degree Review Form. See PADRE form
Program of Legal Studies for Native People 146
Program planning 10. See also Academic advising
Psychology, Department of 194, 254
course descriptions 428
graduate programs 254
undergraduate programs 195
co-operative education 198
Public Administration, School of 117, 255
course descriptions 277
Diploma in Local Government Management 118
Diploma in Public Sector Management 117
graduate programs 255
Professional Specialization Certificates 119
Publications 12
Public Sector Management, Diploma in 117
Q

Qualifying student 24
R

Record of Degree Program (RDP) requirement
Department of Computer Science 80
Faculty of Education 57
Faculty of Fine Arts 94
Faculty of Humanities 125
Faculty of Science 152
Faculty of Social Sciences 181
Recreation and Health Education 67
Recreation programs 12
Regalia, University 461
Registration
graduate 205
undergraduate 27
Regulations. See also individual faculties
academic, graduate 208
academic, undergraduate 29
Religion and Society, Centre for Studies in 270
Religious holy days 11
Religious observance, accommodation of 11
Religious Studies, Minor in 127, 155, 183, 263
course descriptions 435
program description 263
Repeating courses 30, 211
Reregistration
graduate fee 214
undergraduate 26
appeals 20, 27
application fee 27
following withdrawal 27
Research 268
Residence housing 15
Resource Centre for Students with a Disability 16
Restoration of Natural Systems, Diploma in 186, 266
Return of student work 32
Returning students. See Reregistration
Ring, The 12
Russian. See Germanic and Russian Studies
course descriptions 435, 439
S

Schedule of classes 10
Scholarships
graduate 217
undergraduate 41
Science, Faculty of 151
academic advice 152
academic regulations 153
admissions 152
  transfer applicants 152
c o-operative education 155
degrees and programs offered 152
departmental programs. See also departmental entries
  Biochemistry and Microbiology 155
  Biology 158
  Chemistry 162
  Earth and Ocean Sciences 165
  Mathematics and Statistics 170
  Physics and Astronomy 174
program requirements 153
  common to all bachelor's degrees 153
general 155
  honours 154
  interfaculty 154
  major 154
  minor 155
Second degrees
  admission to 25
  bachelor's 36
  master's or doctoral 203
Senate 459
Senate Committee on Appeals 37
Sessional grade-point average. See Grade-point Average
Sexual harassment, policy on 11
Social Sciences, Faculty of 179
  sexual harassment, policy on 11
  special arrangement, graduate programs by 204
Social Work, School of 120, 257
  second degrees
  admission to 25
  bachelor's 36
  master's or doctoral 203
Software Engineering. See Engineering, Faculty of
  course descriptions 436
Southeast Asian Studies 141. See also Pacific and Asian Studies
  course descriptions 436
Spanish 134. See also Hispanic and Italian Studies
  course descriptions 445
Special arrangement, graduate programs by 204
Special category students 23
Sports 12
Standing 35
  academic probation 35
  accumulation of failing grades 36
  at graduation 36
  minimum sessional grade-point average 35
  sessional grade-point average 35
Statistics 171. See also Mathematics and Statistics
course descriptions 448
Statistics, credit limit for introductory courses 30
Statistics Canada, disclosure of personal information to 10
Statutory holidays 6
Student Employment Centre. See Career Services
Student Services 12. See also individual student services
Students, classification of
  graduate 205
  undergraduate 10
  Students of Colour Collective 17
  Students of non-BC origin, enrollment by 462
  Students' Society. See UVSS, GSS
Studies in Policy and Practice in Health and Social Services 242
course descriptions 447
Summer housing 15
Summer Studies 6
calendar 6, 12
  Supervisory committees 212
  Supplemental examinations
    Faculty of Business 49
    Faculty of Engineering 73
    Faculty of Law 148
    undergraduate 34
T
  Teacher certification 59
  Teacher-Librarianship. See Education, Faculty of Theatre, Department of 99, 259
course descriptions 449
graduate programs 259
undergraduate programs 99
Timetable of classes 10
Torch, The 12
Transcripts 11, 35, 216
  fees for 40, 214
  official, defined 20
  submission of to Graduate Studies 202
Transfer applicants 24
  for admission to a second bachelor's degree 25
  from Canadian Bible Colleges 24
  from CEGEPs 24
  from colleges and universities 24
  from institutes of technology 24
  from Ontario Colleges of Applied Arts and Technology 24
  visiting students 25
  with associate degrees from a BC post-secondary institution 24
  with International Baccalaureate credits 24
Transfer credit 24
  applicants to Health Information Science 24
  applicants to the Faculty of Science 24
  limitations on 24
Tuition fees
  graduate 212
  undergraduate 38

2005-06 UVIC CALENDAR
<table>
<thead>
<tr>
<th>Department</th>
<th>Building</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aboriginal Liaison Office</td>
<td>Sedgwick “C” Wing</td>
<td>B-3</td>
</tr>
<tr>
<td>Academic Booking</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Accounting</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Addictions Research BC</td>
<td>Technology Enterprise Facility</td>
<td>C-3</td>
</tr>
<tr>
<td>Administrative Registrar</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Admission Services</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Admission Services (Law)</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Advancement Services</td>
<td>Fraser House</td>
<td>A-3</td>
</tr>
<tr>
<td>Advising Centre for Humanities, Science and Social Sciences</td>
<td>Alumni House</td>
<td>E-4</td>
</tr>
<tr>
<td>Aging, Centre on</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Alumni Relations</td>
<td>Sedgwick “A” Wing</td>
<td>B-3</td>
</tr>
<tr>
<td>Anthropology</td>
<td>Alumni House</td>
<td>E-4</td>
</tr>
<tr>
<td>Asia-Pacific Initiatives</td>
<td>Cornett</td>
<td>B-3</td>
</tr>
<tr>
<td>Athletics and Recreation</td>
<td>McKinnon</td>
<td>C-2</td>
</tr>
<tr>
<td>B.C. Institute for Co-operative Studies</td>
<td>University House</td>
<td>C-2</td>
</tr>
<tr>
<td>Biochemistry and Microbiology</td>
<td>Petch</td>
<td>C-4</td>
</tr>
<tr>
<td>Biology</td>
<td>Cunningham</td>
<td>C-4</td>
</tr>
<tr>
<td>Biomedical Research</td>
<td>Petch</td>
<td>C-4</td>
</tr>
<tr>
<td>Board of Governors (Chair)</td>
<td>Business and Economics</td>
<td>B-3</td>
</tr>
<tr>
<td>Bookings (Academic and Non-academic)</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Bookstore</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Business (Dean’s Office)</td>
<td>Campus Services</td>
<td>C-2</td>
</tr>
<tr>
<td>CFUT Radio</td>
<td>Student Union</td>
<td>D-3</td>
</tr>
<tr>
<td>Campus Security Services</td>
<td>Campus Security</td>
<td>D-2</td>
</tr>
<tr>
<td>Campus Shop</td>
<td>Campus Services</td>
<td>C-2</td>
</tr>
<tr>
<td>Canadian Centre for Climate Modelling and Analysis</td>
<td>Stewart Complex</td>
<td>A-1</td>
</tr>
<tr>
<td>Canadian Institute for Climate Studies</td>
<td>Saunders Annex</td>
<td>D-2</td>
</tr>
<tr>
<td>Career Services</td>
<td>Campus Services</td>
<td>C-2</td>
</tr>
<tr>
<td>Ceremonies and Special Events</td>
<td>Sedgwick “B” Wing</td>
<td>B-3</td>
</tr>
<tr>
<td>Chancellor</td>
<td>Business and Economics</td>
<td>B-3</td>
</tr>
<tr>
<td>Chapel Bookings</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Chaplains Office</td>
<td>Campus Services</td>
<td>C-2</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Elliott</td>
<td>C-4</td>
</tr>
<tr>
<td>Child and Youth Care</td>
<td>Human and Social Development</td>
<td>B-3</td>
</tr>
<tr>
<td>Child Care Services</td>
<td>Child Care Complex</td>
<td>E-2</td>
</tr>
<tr>
<td>Cinecenta Theatre</td>
<td>Student Union</td>
<td>D-3</td>
</tr>
<tr>
<td>Community Health Promotion Research</td>
<td>University House</td>
<td>#3</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Engineering Office Wing</td>
<td>C-4</td>
</tr>
<tr>
<td>Computer Store</td>
<td>Clearihue</td>
<td>C-3</td>
</tr>
<tr>
<td>Computing and Systems Services</td>
<td>Clearihue</td>
<td>C-3</td>
</tr>
<tr>
<td>Computing Services</td>
<td>Clearihue</td>
<td>C-3</td>
</tr>
<tr>
<td>Computing User Services</td>
<td>Clearihue</td>
<td>C-3</td>
</tr>
<tr>
<td>Conference Services</td>
<td>Craigdarroch Office Building</td>
<td>D-3</td>
</tr>
<tr>
<td>Continuing Studies</td>
<td>Continuing Studies Building</td>
<td>C-2</td>
</tr>
<tr>
<td>Co-operative Education Program</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Co-op Japan Program</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Counselling Services</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Curriculum and Instruction</td>
<td>Campus Services</td>
<td>C-2</td>
</tr>
<tr>
<td>Development</td>
<td>MacLaurin</td>
<td>B-4</td>
</tr>
<tr>
<td>Dispute Resolution, Institute for Earth and Ocean Research</td>
<td>Alumni House</td>
<td>E-4</td>
</tr>
<tr>
<td>Earth and Ocean Sciences</td>
<td>Fraser</td>
<td>A-3</td>
</tr>
<tr>
<td>Economics</td>
<td>Petch</td>
<td>C-4</td>
</tr>
<tr>
<td>Education (Dean’s Office)</td>
<td>Petch</td>
<td>C-4</td>
</tr>
<tr>
<td>Educational Psychology and Leadership Studies</td>
<td>Business and Economics</td>
<td>B-3</td>
</tr>
<tr>
<td>Electrical and Computer Engineering</td>
<td>MacLaurin</td>
<td>B-4</td>
</tr>
<tr>
<td>Engineering Co-op</td>
<td>Engineering Office Wing</td>
<td>C-4</td>
</tr>
<tr>
<td>Engineering (Dean’s Office)</td>
<td>Engineering Office Wing</td>
<td>C-4</td>
</tr>
<tr>
<td>English</td>
<td>Engineering Office Wing</td>
<td>C-4</td>
</tr>
<tr>
<td>English Language Centre</td>
<td>Engineering Office Wing</td>
<td>C-4</td>
</tr>
<tr>
<td>Environmental Health – Biology</td>
<td>Engineering Office Wing</td>
<td>C-4</td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>Engineering Office Wing</td>
<td>C-4</td>
</tr>
<tr>
<td>Equity and Human Rights Office</td>
<td>Clearihue</td>
<td>C-3</td>
</tr>
<tr>
<td>Facilities Management</td>
<td>University House</td>
<td>E-4</td>
</tr>
<tr>
<td>Faculty Association</td>
<td>Petch</td>
<td>C-4</td>
</tr>
<tr>
<td>Faculty Club (see University Club)</td>
<td>Sedgwick “C” Wing</td>
<td>B-3</td>
</tr>
<tr>
<td>Farquhar (Hugh) Auditorium</td>
<td>Sedgwick “C” Wing</td>
<td>B-3</td>
</tr>
<tr>
<td>Fine Arts (Dean’s Office)</td>
<td>Saunders</td>
<td>D-2</td>
</tr>
<tr>
<td>Forest Biology, Centre for French</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Geography</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Germanic and Russian Studies</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Global Studies, Centre for Government and Community Relations</td>
<td>Halpern Centre</td>
<td>D-2</td>
</tr>
<tr>
<td>Graduate Admissions and Records</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Graduate Students’ Society</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Graduate Studies</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Greek and Roman Studies</td>
<td>Clearihue</td>
<td>C-3</td>
</tr>
<tr>
<td>Health Information Science</td>
<td>Human and Social Development</td>
<td>B-3</td>
</tr>
<tr>
<td>Health Services</td>
<td>Peterson Health Centre</td>
<td>E-4</td>
</tr>
<tr>
<td>Hispanic and Italian Studies</td>
<td>Clearihue</td>
<td>C-3</td>
</tr>
<tr>
<td>History</td>
<td>Clearihue</td>
<td>C-3</td>
</tr>
<tr>
<td>History In Art</td>
<td>Fine Arts Building</td>
<td>A-4</td>
</tr>
<tr>
<td>Housing, Food and Conference Services</td>
<td>Craigdarroch Office Building</td>
<td>D-3</td>
</tr>
<tr>
<td>Human and Social Development (Dean’s Office)</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Human Resources</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Humanities (Dean’s Office)</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Humanities Computing and Media Centre</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Indigenous Governance Program</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Innovation and Development Corporation</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Institute of Aboriginal People’s Health</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Institutional Planning and Analysis</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Integrated Energy Systems, Institute for Internal Auditor</td>
<td>C-3</td>
<td></td>
</tr>
<tr>
<td>International and Exchange Services</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>International Affairs</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>LACIR (BC Advanced Systems Institute)</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Lam (David) Auditorium</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Law (Dean’s Office, Admissions)</td>
<td>Law Library (Diana M. Priestly)</td>
<td>C-3</td>
</tr>
<tr>
<td>Learning and Teaching Centre</td>
<td>Library</td>
<td>C-3</td>
</tr>
<tr>
<td>Linguistics</td>
<td>Mackazai Music Wing</td>
<td>B-4</td>
</tr>
<tr>
<td>Mail and Messenger Services</td>
<td>Business and Economics</td>
<td>B-3</td>
</tr>
<tr>
<td>Malahat Review</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Malwood Art Museum and Gallery</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Mathematics and Statistics</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Medical Sciences</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Medieval Studies</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Music</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>National Coaching Institute</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>National Research Council</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Network Services</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Nursing</td>
<td>university Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Nova Project</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Occupational Health and Safety</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Ombudsperson</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Pacific and Asian Studies</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Philosophy</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Phoenix Theatre</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Phoenix Theatre Box Office</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Physics and Astronomy</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Political Science</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>President</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Printing and Duplicating Services</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Psychology</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Public Administration</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Purchasing Services</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Records Services</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Research Services</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Resource Centre for Students with a Disability</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Science (Dean’s Office)</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Social Sciences (Dean’s Office)</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Social Work</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Sociology</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Software Development</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Student and Ancillary Services</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Student Awards and Financial Aid</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Student Recruitment</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Students’ Society</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Studies in Religion and Society</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Summer Studies</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Telephone and Technical Services</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Theatre</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>University Centre Auditorium</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>(Hugh Farquhar)</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>University Club of Victoria</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>University Secretary</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>UVic Communications’ Services</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>UVic Retirees’ Association</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>UVic Students’ Society</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Vice-President Academic and Provost</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Vice President Development and External Relations</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Virtual Financial and Operations</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Vice-President Research</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Women’s Studies</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Writing</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Young, Phillip T. Auditorium/ Rectal Hall</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
<tr>
<td>Youth and Society</td>
<td>University Centre</td>
<td>C-3</td>
</tr>
</tbody>
</table>

**UVic Undergraduate Calendar 2005-06**