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

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

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

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

How Do I Apply for Admission?
The easiest way to apply is through the Undergraduate Admissions' website at <registrar.uvic.ca>. You can complete a web application or download an application for printing. You can also link to other information you’ll need, like program requirements, deadlines and course descriptions, and to all the other services at UVic. If you don't have Internet access, please contact Undergraduate Admissions 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 starting on page 20.

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 20.

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 20. 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 225.
WHERE CAN I GET ADVICE ABOUT MY STUDIES?

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

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

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

HOW DO I REGISTER FOR COURSES?

Once you have received an offer of admission and paid your acceptance deposit, 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 2006-2007 academic year for a student taking 15 units of courses.

- Tuition fees: $4411
- Student society fees: $132
- Athletics and recreation fee: $136
- UVSS health plan: $135
- UVSS dental plan: $120
- UPass bus pass: $122
- 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 <registrar.uvic.ca/safa/>.

Here are some of the options worth exploring.

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

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

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

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

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

WHAT IS CO-op EDUCATION?

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

UVic's Co-op Education Program is 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 2007 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!
2007-2008 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 2007
3 Monday Labour Day*
4 Tuesday First-year and opening assembly for Faculty of Law
5 Wednesday First-term classes begin for all faculties
13 Thursday Last day for course changes in Faculty of Law
18 Tuesday Last day for 100% reduction of tuition fees for first-term and full-year courses
21 Friday Last day for adding courses that begin in the first term
30 Sunday Last day for paying first-term fees without penalty

October 2007
5 Friday Senate meets
8 Monday Thanksgiving Day*
9 Tuesday Last day for 50% reduction of tuition fees; 100% of tuition fees will be assessed for courses dropped after this date
26 Friday Special Senate meeting (tentative)
31 Wednesday Last day for withdrawing from first-term courses without penalty of failure

November 2007
2 Friday Senate meets
11 Sunday Remembrance Day*
12 - 14 Mon-Wed Reading Break (except Law)*
13 - 14 Tues-Wed Fall Convocation

December 2007
1 Saturday Deadline to apply to graduate for Spring convocation
4 Tuesday Last day of classes in first term, except Faculty of Human and Social Development**; National Day of Remembrance and Action on Violence Against Women. Classes and exams cancelled 11:30-12:30.
7 Friday Senate meets: First-term examinations begin, except Faculty of Human and Social Development**
21 Friday First-term examinations end for all faculties
25 Tuesday Christmas Day*
26 Wednesday Boxing Day*
25 Dec - 1 Jan University closed

Winter Session—Second Term

January 2008
1 Tuesday New Year’s Day*
3 Thursday Second-term classes begin in all faculties except Law
7 Monday Second-term classes begin in Faculty of Law
11 Friday Senate meets
16 Wednesday Last day for 100% reduction of second-term fees
17 Thursday Last day for course changes in Faculty of Law
19 Saturday Last day for adding courses that begin in the second term
31 Thursday Last day for paying second-term fees without penalty

February 2008
1 Friday Senate meets
6 Wednesday Last day for 50% reduction of tuition fees. 100% of tuition fees will be assessed for courses dropped after this date.
18 - 22 Mon-Fri Reading Break for all faculties.
29 Friday Last day for withdrawing from full-year and second-term courses without penalty of failure

March 2008
7 Friday Senate meets
21 Friday Good Friday*
24 Monday Easter Monday*

April 2008
4 Friday Last day of classes for all faculties except Faculty of Law and Faculty of Human and Social Development**; Senate meets
7 Monday Examinations begin for all faculties except Faculty of Law and Faculty of Human and Social Development**
8 Tuesday Last day of classes in the second term in the Faculty of Law
11 Friday Examinations begin in Faculty of Law
23 Wednesday Examinations end for all faculties except Faculty of Law; End of Winter Session
24 Thursday Examinations end in Faculty of Law

May–August 2008

See Summer Studies Calendar for complete dates

May 2008
2 Friday Senate meets
5 Monday May-August courses begin
12 Monday Last day for course changes (Faculty of Law only); May and May-June courses begin
19 Monday Victoria Day*
26 Monday Special Senate meeting (tentative)

June 2008
3 - 6 Tues–Fri Spring Convocation
4 Wednesday May courses end
5 Thursday June courses begin
27 Friday May-June and June courses end
30 Monday Reading Break, “K” sections only

July 2008
1 Tuesday Canada Day*; Reading Break, “K” section only; Deadline to apply to graduate for Fall convocation
3 Thursday July and July-August courses begin
25 Friday July courses end
28 Monday August courses begin
29-31 Tues–Thurs Supplemental and deferred examinations for Winter Session 2007-2008 (except in BEng programs)

August 2008
1 Friday May-August classes end, including Faculty of Law
4 Monday British Columbia Day*
5 Tuesday May-August examinations begin, except Faculty of Law
6 Wednesday Last day of classes for Faculty of Law
8 Friday Examinations begin, Faculty of Law only
15 Friday May-August examinations end, including Faculty of Law
20 Wednesday July-Aug, and Aug. courses end, except Faculty of Law

*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 Registrar and Enrolment Services
University Centre
Phone: (250) 721-8471; Fax: (250) 721-6225
Email: lmorgan@uvic.ca
Website: <registrar.uvic.ca/summer>
### 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 30).

**Award**
See list of definitions under Scholarships and Awards, page 44.

**Co-operative Education**
A program of education which integrates academic study with work experience. See page 45.

**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 37).

**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 in the guise of new and original work. See Policy on Academic Integrity, page 33.

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

**Probation**
A period of trial for a student whose registration is subject to academic conditions.

**Program**
The courses of study organized to fulfill an academic objective, such as a BSc degree.

**Registration**
The process of formally enrolling in courses.

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

**Section**
The division of a course, e.g. Section 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, diploma or certificate.

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

**Term**
A period of time in the academic year.

**Transcript**
A copy of a student’s permanent academic record.

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

**Undergraduate Student**
A student registered in an undergraduate program 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).
## Application and Documentation Deadlines

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

<table>
<thead>
<tr>
<th>FACULTY/PROGRAM</th>
<th>ENTRY POINT</th>
<th>APPLICATION DEADLINE</th>
<th>DOCUMENT DEADLINE</th>
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<tbody>
<tr>
<td><strong>EARLY ADMISSION – BC APPLICANTS</strong></td>
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<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>
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<tr>
<td><strong>EARLY ADMISSION – OUT OF PROVINCE</strong></td>
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<tr>
<td>Current graduating out-of-province secondary school applicants (Out-of-Province, U.S., including International American/Canadian curriculum schools)</td>
<td>September</td>
<td>February 28</td>
<td>April 30 (For all documents other than final grades.)</td>
</tr>
<tr>
<td><strong>INTERNATIONAL APPLICANTS</strong> (Official in-progress transcripts are required at time of application)</td>
<td>September</td>
<td>April 30</td>
<td>May 31 (all programs)</td>
</tr>
<tr>
<td>Students must comply with International Applicant deadlines unless an earlier deadline is required by a specific faculty or program</td>
<td>January</td>
<td>October 15</td>
<td>November 1 (all programs)</td>
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<td></td>
<td>May or July</td>
<td>January 31</td>
<td>February 28</td>
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<tr>
<td><strong>BUSINESS</strong> (Official in-progress transcripts are required at time of application)</td>
<td>September</td>
<td>February 28</td>
<td>March 15</td>
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<tr>
<td>Domestic and International students</td>
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<tr>
<td>International students only</td>
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<td><strong>EDUCATION</strong> (Official in-progress transcripts are required at time of application)</td>
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<td>Secondary: Post-Degree Professional Programs</td>
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<tr>
<td>Regular Options</td>
<td>July</td>
<td>December 31</td>
<td>January 31</td>
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<tr>
<td>Internship Option</td>
<td>May</td>
<td>December 31</td>
<td>January 31</td>
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<tr>
<td>Five-Year BEd (Art, Music, PE)</td>
<td>September</td>
<td>Jan 31 (with transcripts)</td>
<td>May 31</td>
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<tr>
<td>Elementary: Regular Option &amp; Post Degree Professional Program</td>
<td>September</td>
<td>Jan 31 (with transcripts)</td>
<td>May 31</td>
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<tr>
<td>School of Physical Education (BA, BSc, BEd)</td>
<td>September</td>
<td>Jan 31 (with transcripts)</td>
<td>May 31</td>
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<tr>
<td><strong>ENGINEERING</strong></td>
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<td>Bing and BSENG</td>
<td>September</td>
<td>April 30</td>
<td>May 31</td>
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<td>BSc (Computer Science)</td>
<td>September</td>
<td>May 15</td>
<td>July 1</td>
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<td>January</td>
<td>October 31</td>
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<td>May</td>
<td>March 31</td>
<td>April 30</td>
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<td>Engineering Bridge (Applicants contact Camosun College)</td>
<td>January</td>
<td>February 15</td>
<td>March 15</td>
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<td><strong>FINE ARTS</strong> (Official in-progress transcripts are required at time of application)</td>
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<tr>
<td>History in Art</td>
<td>September</td>
<td>May 15</td>
<td>July 1</td>
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<td>January</td>
<td>October 31</td>
<td>November 30</td>
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<td>May</td>
<td>March 31</td>
<td>April 30</td>
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<tr>
<td>Music*, Writing</td>
<td>September</td>
<td>March 31</td>
<td>May 31</td>
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<tr>
<td>Theatre*, Visual Arts*</td>
<td>September</td>
<td>February 28</td>
<td>May 31</td>
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<tr>
<td><strong>HUMAN &amp; SOCIAL DEVELOPMENT</strong> (Official in-progress transcripts are required at time of application)</td>
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<tr>
<td>Child and Youth Care*</td>
<td>September</td>
<td>February 28</td>
<td>May 1</td>
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<tr>
<td>Pre-Child and Youth Care (distance only)*</td>
<td>September</td>
<td>February 28</td>
<td>May 1</td>
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<td>January</td>
<td>June 15</td>
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<td>May</td>
<td>November 1</td>
<td>January 1</td>
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<tr>
<td>Health Information Science*</td>
<td>September</td>
<td>February 28</td>
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<td>October 31</td>
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<td>March 31</td>
<td>April 30</td>
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<td>Nursing*</td>
<td>September</td>
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<td>May 15</td>
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<td>January</td>
<td>September 30</td>
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<td>May</td>
<td>September 30</td>
<td>November 15</td>
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<tr>
<td>Social Work*</td>
<td>September</td>
<td>January 31</td>
<td>January 31</td>
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<tr>
<td>Pre-Social Work (on and off campus)</td>
<td>September</td>
<td>May 15</td>
<td>July 1</td>
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<td></td>
<td>January</td>
<td>October 31</td>
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<tr>
<td>Public Sector Management, Local Government Management Diploma, Professional Specialization Certificates*</td>
<td>September</td>
<td>May 15</td>
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<td><strong>HUMANITIES/SCIENCE/SOCIAL SCIENCES</strong></td>
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<td>New and reregistering students</td>
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<td>May 15</td>
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<td>Humanities Diploma</td>
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<td><strong>LAW</strong></td>
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<td>First Year</td>
<td>September</td>
<td>February 1</td>
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<td>Upper Levels</td>
<td>Sept./Jan.</td>
<td>June 30</td>
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<td>Summer Session</td>
<td>May</td>
<td>March 31</td>
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<td><strong>CONTINUING STUDIES DIPLOMAS &amp; CERTIFICATES:</strong></td>
<td>For programs, entry points and deadlines, contact the Division of Continuing Studies.</td>
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</table>

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

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

#### 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 Summer Studies Calendar is published separately (see page 10 for information).

**Calendar Changes**

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

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

**Categories of Students**

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

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

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

**Classification of Undergraduates by Year**

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

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

* Five year programs only

Special students are not classified by year.

**Course Values and Hours**

Each course offered for credit has a unit value. A full-year course with three lecture hours per week through the full Winter Session from September to April normally has a value of 3 units. A half-year course with three lecture hours per week from September to December or from January to April normally has a value of 1.5 units. A 3-unit course (3 hours of lectures per week throughout the Winter Session) approximates a 6 semester-hour or a 9 quarter-hour course. A course of 1.5 units approximates a 3 semester-hour or a 4.5 quarter-hour course.

**Student Cards**

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

**Limit of the University’s Responsibility**

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

**Program Planning**

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

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

**Protection of Privacy and Access to Information**

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

**Notification of Disclosure of Personal Information to Statistics Canada**

Statistics Canada asks all colleges and universities to provide data on students and graduates, including student identification information (student’s name, student ID number, Social Insurance Number), student contact information (address and telephone number), student demographic characteristics, 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 Office of the Administrative Registrar website: <registrar.uvic.ca>. 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.

### General University Policies

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

**Policy on Inclusivity and Diversity**

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

**Accommodation of Religious Observance**

The University recognizes its obligation to make reasonable accommodation for students whose observance of holy days might conflict with the academic requirements of a course or program. Students are permitted to absent themselves from classes, seminars or workshops for the purposes of religious or spiritual observance. In the case of compulsory classes or course events, students will normally be required to provide reasonable notice to their instructors of their intended absence from the class or event for reasons of religious or spiritual observance. In consultation with the student, the instructor will determine an appropriate means of accommodation. The instructor may choose to reschedule classes or provide individual assistance.

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

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

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

**COMPUTING AND SYSTEMS SERVICES**

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, 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'tnet. High-speed access to our services is available via Shaw cable, Telus ADSL, and other service providers.

**POLICY AND PROCEDURES**

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. Prohibited grounds for discrimination are race, colour, ancestry, place of origin, political belief, religion, marital status, family status, physical or mental disability, sex, sexual orientation, age, or conviction of a criminal offence when unrelated to employment. It also addresses personal harassment, sometimes called worksite harassment.

The Discrimination and Harassment Policy and Procedures 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. Definitions are included in the Discrimination and Harassment Policy and Procedures (Policy 1150) which can be found on the office website, <www.uvic.ca/eqhr>.

**STUDENT DISCIPLINE**

A student may be reported to the President for disciplinary action and may be suspended, subject to appeal to the Senate, for misconduct, including such matters as a breach of University regulations or policy (for example, Harassment Policy and Procedures, Violence and Threatening Behaviour Policy, Computing and Telecommunications User Responsibilities Policy), a breach of a provision in the University Calendar, or a violation of provincial law or a law of Canada. In particular, a student may be reported for unlawfully entering a building or restricted space on University property, providing false information on an application for admission or other University document, or participating in hazing, which is prohibited by University regulation.
primary and secondary historical legal materials. The Law Library’s catalogue is available online at <voyager.law.uvic.ca>.

Curriculum Laboratory (MacLaurin Building) Serves as a curriculum resource centre for students in the Faculty of Education.

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

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

Pre-professional Guide
A guide for students who plan to complete some studies at UVic before transferring to another institution in order to complete a professional program such as dentistry, medicine, optometry, etc. Available from Undergraduate Admissions.

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.

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

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

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

Distance Learning and Immersion Course Guide for Off Campus Students
Lists credit and certificate offerings available to off campus students. Available from the Administrative Clerk, Summer Studies ((250) 721-8471; e-mail: lmorgan@uvic.ca).

The UVic Torch Alumni Magazine
Published bimonthly by the Division of External Relations and the UVic Alumni Association, and mailed to alumni free of charge.

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

Athletics and Recreation
McKinnon Building
Phone: 721-8406
Web: <www.athrec.uvic.ca>
The department of Athletics and Recreation provides a comprehensive program of sports and recreation for UVic students.

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

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

Recreation Facilities
Use of the facilities and participation in the programs of Athletics and Recreation is open to students and to faculty and staff who have acquired a 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 McKinnon Building includes a gymnasium, dance studio, weight-training room, 25-metre L-shaped pool, squash courts, and change room and shower facilities. The Ian H. Stewart Complex includes a field house, gymnasium, 18,000 square foot fitness/weight centre, 25-metre outdoor pool, tennis, squash, racquetball and badminton courts, an ice rink, and change room and shower facilities. The Outdoor Recreation Centre, located at the Ian H. Stewart Complex, has outdoor equipment available to members on a rental basis.

Bookstore
Campus Services Building
Hours: Mon-Fri, 8:30-5:30
(Sept-Apr: Wed, 8:30-7:00)
Saturday: 11:00-5:00
Phone: 721-8311
Web: <www.uvicbookstore.ca>
The UVic Bookstore is owned and operated by the University. The Bookstore operates on a break-even basis and provides a variety of items essential to academic success. All textbooks requested by faculty are stocked in the store. Textbook listings are available in-store and online, three weeks prior to the beginning of each term. At the beginning and end of each semester, the Bookstore buys back used textbooks at up to 50% of the new book retail price if they’re in demand.

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

The Bookstore offers a wide selection of contemporary UVic crest clothing and giftware, school and stationery supplies and has a gift section that is famous for its variety and excellent prices. The UVic Bookstore is truly a one-stop-shop.

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

Finnerty Express
Campus Services Building
Hours: Mon-Fri 7:30-7:00
Sat-Sun: 1:00-5:00
Phone: 472-4594
Located on the lower level of the Bookstore, Finnerty’s sells organic, fairly-traded coffee, locally baked goods, lunch selections, candy, cold drinks, grocery and personal care items, newspapers, stamps, and more.

Career Services
Campus Services Building
Hours: Mon-Fri 8:30-4:30
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 8:00-5:30
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.stas.uvic.ca/childcare>

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

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

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

Counselling Services offers free, confidential counselling to students 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 ad-

vising, 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)

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 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: Counselors are available to help graduate students succeed with their thesis and dissertation projects through daily goal setting, performance management and group meetings.
• University Learning Skills Course for New Students: This special version of the Learning Skills Course is offered in August. It helps new and mature students cope with the transition to university learning. Contact the Division of Continuing Studies for dates and times.

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

awareness and overcome problems by using new coping strategies.

Wellness Groups and Workshops
In addition to individual counselling, counselors 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 Group
• Men’s Group
• Personal Growth
• Self-esteem
• Surviving Relationship Breakup

See our website for current group offerings.

International Student Counselling
Individual and group counselling support is available specifically for international students on issues including culture shock, homesickness, reverse culture shock, communication, academic system difficulties and dealing with new-found 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 MCAT, GRE and TOEFL can be taken at the UVic Computer Based Testing Centre located in Counselling Services. For information, call (250) 472-4501.

Peer Helping
Room B005 Student Union Building
Hours: Mon-Fri 8:30-4:30
Phone: 721-8343
Web: <www.coun.uvic.ca/peer>

Peer helpers are trained, supervised volunteers who offer confidential support to other students. They participate in a variety of outreach programs. Contact the Peer Helpers either at the Drop-In Centre located in SUB B005, or through the Peer Helping Coordinator at Counselling Services.

FAMILY CENTRE
Student Family Housing
39208-2375 Lam Circle
Hours: e-mail, phone or check website for updates. Regular weekly hours
Phone: 472-4062
Web: <www.uvic.ca/family-centre>
E-mail familycentre@uvic.ca

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

2007-08 UVIC CALENDAR
Food Services
Craigdarroch Office Building
Hours: Mon-Fri 8:30-4:30
Phone: 721-8395
Web: <hfs.uvic.ca/food>
Food Services provides a full range of food and beverage services, from full meals to snacks and everything in between, at the following locations:

Cadboro Commons Dining Room (Upper Commons)
Full-menu cafeteria—grill, hot entrees, soup, salad bar, sandwiches, desserts, hot and cold beverages

Cap’s Bistro Market (Lower Commons)
Deluxe coffees, pizza, custom-made sandwich deli, gourmet desserts

Village Greens (Lower Commons)
Vegetarian entrees, soups and chili, sushi, stir-fry bar, fruit smoothie bar, organic coffees

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

Sweet Greens (University Centre)
Custom-made sandwich and wrap deli, soup, baked goods, cold beverages, gourmet coffees

Mac’s Bistro (MacLaurin Building)
Organic coffees, sandwiches, soup, deluxe baked goods, cold beverages

Nibbles & Bytes Café (Engineering Lab Wing)
Pizza, sandwiches, baked goods, hot and cold beverages

Fraser Café (Fraser Building)
Sandwiches, soup, hot and cold beverages

Check Food Services’ website for hours of operation.

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

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

Health Services
Jack Petersen Health Centre
Hours: Mon, Wed-Fri 8:30-4:30
Tues 9:30-4:30
Phone: 721-8492*
Web: <www.stas.uvic.ca/health/>
* An on-call physician is available at this number during off-hour periods.

Health Services offers confidential medical treatment and counselling, emergency first aid, birth control, sexually transmitted disease testing and treatment, 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 are required to 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 may apply for enrollment in the BC Medical Services Plan for the duration of their stay in Canada.

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

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 have a user fee payable at each visit. Students with out-of-province medical coverage are responsible for payment of each visit; a receipt will be issued for reimbursement. ICBC and WCB claimants are welcome.

Academic Concessions Due to Illness
Academic concession 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 35.

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

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

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-educational, non-smoking residences.
  - All rooms are furnished with a desk, chair, desk lamp, wardrobe, bed and linen for each student. Cable television, telephone and internet hook-ups are available. Washrooms are centrally located on each floor. Cable television is provided in each floor lounge. 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 internet hook-ups are available.
  - Cluster Housing is completely self-contained; no board package is required.
  - These units are for students of second-year standing and above.

Family Housing
- Family Housing provides accommodation for families in 181 self-contained units.
- Family Housing offers 48 one-bedroom apartments, 12 two-bedroom apartments, 115 two-bedroom townhouses, and 6 three-bedroom townhouses. Some units are designed for persons with disabilities.
  - Units are unfurnished. Utilities are paid for by the tenant. Cablevision, telephone and internet hook-ups are available.
  - Units are available to families with or without children; the leaseholder must be a full-time student at UVic.
Housing Rates
Rates for 2006/2007 were:

- **Residence Housing**
  - Single room with starter* meal plan: $3236/term
  - Double room with starter* meal plan: $2842/term

- **Clustering Housing**
  - Individual rate (no meal plan): $1946/term

**Family Housing**

- 1-bedroom apartment: $635/month
- 2-bedroom apartment: $750/month
- 2-bedroom townhouse: $820/month
- 3-bedroom townhouse: $935/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.

Applying for Campus Housing

Students apply for campus housing through the UVic Housing website. The electronic application form for entry in September 2007 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, 2007 provided they have:

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

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

Wait List

Once all rooms have been assigned, a wait list is created. As vacancies occur, assignments are made from this list. It is the applicant’s responsibility to inform 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 a room and 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 payment due dates are 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 2, 2007. Accommodation before September 2 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 12-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, apartments, houses and shared accommodation. Due to the rapid turnover of these accommodations, lists are not mailed out; they are available for viewing at the Housing website.

INTERFAITH CHAPLAINS SERVICES

Interfaith Centre
Campus Services Building, Room 151
Hours: Mon, Tues 9:00-2:30
Tel: (250) 398-8338
Web: www.uvic.ca/interfaith

Interfaith Chaplains Service is a campus resource for UVic students interested in spiritual learning, practice, service and community. The Service is committed to the conviction that active spirituality strengthens the student experience and contributes to wellness. We draw upon the resources of diverse spiritual traditions and foster a strong network of relationships that includes participation in Bahá’í, Buddhist, Christian, First Nations, Hindu, Jewish, Muslim, Sikh, Wicca communities and those who do not connect to any one tradition, but are simply seeking spiritual identity, learning and support. Learning about spiritual wisdom is facilitated through workshops, discussion circles, speaker series, special events and study groups. Developing a spiritual practice is made possible through groups on meditation, body work, healing touch, prayer, worship and ritual. Opportunity for Service is facilitated by mentoring student volunteers in non-profit service and social activism agencies. Community amongst students is supported through retreats, student religious clubs, an Interfaith Student Council, and social events.

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

INTERNATIONAL AND EXCHANGE STUDENT SERVICES

University Centre, Room A205
Hours: Mon-Fri 9:00-4:30
Tel: 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 for international students include an orientation program for all newcomers as well as workshops, information sessions and ongoing support from Student Advisors throughout the year. The IESS Office also operates a Buddy Program that matches new international students with returning UVic students for mentorship, friendships and cultural exchange. More information about services for international students is available at <www.iess.uvic.ca>.

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

Student Exchange Programs

UVic has more than 100 active exchange programs in over 30 countries. Some exchanges are available to all students at the University; others are limited to students in particular programs. Students interested in going on an exchange can check to see if their department and/or faculty has any exchange agreements. Students from some undergraduate faculties are also eligible to apply for an exchange through the International Exchange and Student (IESS) Office. Most IESS exchange partners universites offer courses in the areas of humanities, social sciences and science. To qualify for an exchange through the IESS Office, a student must be enrolled at UVic, must have completed at least one term, and must have a minimum cumulative GPA of at least 4.0. Important deadlines, application procedures for exchange including eligibility requirements are available at <www.iess.uvic.ca>.

Students should also refer to Credits in Estab-
The CFS advocates for a high-quality and accessible education for students with disabilities. The CFS offers support and encouragement in the form of regular meetings and social events. Students interested in participating should contact the NSU for more information.

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

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

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

**Students of Colour Collective**
Student Union Building B200
Phone: (250) 472-4697
E-mail: socc@uvss.uvic.ca
Web: <www.uvss.uvic.ca/socc>

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

**UVic Pride Collective**
Student Union Building B118
Phone: (250) 472-4393
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: ombuddy@uvic.ca
Web: <www.uvss.uvic.ca/ombudsperson>

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

The Women's Centre
Student Union Building B107
Phone: (250) 721-8353
E-mail: wcentre@uvss.uvic.ca
Web: <www.uvss.uvic.ca/wcen>
The UVSS Women's Centre is a collectively run drop-in centre open to all self-identified women. The centre seeks to provide a space for self-identified women to organize, access resources, attend workshops and relax. The Women's Centre is committed to education and activism around racism, heterosexism, ableism and colonialism. The Centre offers many volunteer opportunities, such as office and library assistance and committee organizing. The Women's Centre also publishes an anti-racist, feminist zine, Thirdspace. Collective members and volunteers are encouraged to organize around personal areas of interest, such as sex and sexuality, health, body image, environment, globalization and the practice of feminist theory. For more information, drop-in 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: <cfuv.uvic.ca>
CFUV is UVic's campus community radio station. CFUV programming ranges from rock, hip-hop and electronic to folk, jazz, multicultural and public affairs. CFUV is funded through a student levy and community fund-raising. A large body of volunteers comprised of UVic students and community members help run the station, along with staff and work-studies. Students interested in volunteering are invited to visit or phone the station during office hours. Previous radio experience is not necessary.

The Martlet
Student Union Building B011
Phone: (250) 721-8360
E-mail: edit@martlet.ca
Web: <www.martlet.ca>
The Martlet is UVic's student newspaper, which is available every Thursday on campus. The Martlet is written by students and is editorially and financially independent. Students interested in volunteering are invited to visit or call the Martlet Office.

Vancouver Island Public Interest Research Group (VIPIRG)
Student Union Building B120 & B122
Phone: (250) 721-8629
E-mail: info@vipirg.ca
Web: <www.vipirg.ca>
VIPIRG is an autonomous, non-profit, non-partisan organization dedicated to research, education, and action in the public interest. All undergraduate and graduate students are members of VIPIRG.

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

GRADUATE STUDENTS’ SOCIETY – CANADIAN FEDERATION OF STUDENTS LOCAL 89
Room 102 Grad Centre
Phone: 472-4543
E-mail: gsscomm@uvic.ca
Web: <gss.uvic.ca>
All graduate students at the University of Victoria are members of the Graduate Student’s Society, which exists to represent the interests of the 2,500 plus graduate students and to address issues in the larger community that concern students.

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

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

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

CANADIAN FORCES UNIVERSITY TRAINING PLANS

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...
**Indigenous Student Services**

**Office of Indigenous Affairs**
Fran Hunt-Jinnouchi, BSW (UVic), M.Ed. (St. FX)
Sharon Neal, Acting Administrative Assistant

The Office of Indigenous Affairs provides leadership and support across the university’s Indigenous initiatives, including academic programs, student support services, protocol activities and the First Peoples House scheduled for completion in 2009.

The office assists students with academic, cultural and funding matters particularly related to First Nations sponsorship. A listing of various awards and bursaries is maintained and updated annually. The office also assists with the promotion and co-ordination of special events related to Aboriginal cultural and traditional events. The office is located in Sedgewick C186/188 (email: inafadm@uvic.ca and phone: 472-4913).

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

The Director works closely with the President, Vice-Presidents, Deans, Chairs, academic and research units and Student and Ancillary Services and ensures a coordinated and proactive approach to Indigenous initiatives, both on and off campus.

Sharon Neal, Acting Administrative Assistant

**Aboriginal Counselling and Support**

Other counsellors serving Aboriginal students include:
- Indigenous Counselling Office: Indigenous Student Counsellor, Dr. William McGhee (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 other First Nations students involved in higher education. 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 and 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 Office 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 Information

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Programs Offered

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

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

Degrees Awarded

Faculty of Business
• Bachelor of Commerce
• Master of Business Administration
• Concurrent LLB/Master of Business Administration

Faculty of Education
• Bachelor of Education
• Bachelor of Arts
• Bachelor of Science
• Master of Education
• Master of Science
• 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
• Bachelor of Social Work
• Master of Arts
• Master of Nursing
• Master of Public Administration
• Master of Social Work

Faculty of Humanities
• Bachelor of Arts
• Bachelor of Science
• Master of Arts
• Doctor of Philosophy

Faculty of Law
• Bachelor of Laws
• Master of Laws
• Doctor of Philosophy

Faculty of Science
• Bachelor of Science
• Master of Science
• Doctor of Philosophy

Faculty of Social Sciences
• Bachelor of Arts
• Bachelor of Science
• Master of Arts
• Master of Science
• Doctor of Philosophy

Diploma Programs
• Applied Linguistics
• Business Administration*
• Canadian Studies*
• Cultural Resource Management*
• Fine Arts*
• French Language*
• Humanities*
• Intercultural Education and Training*
• Local Government Management**
• Public Sector Management**
• Restoration of Natural Systems*
• Teacher Librarianship

Certificate Programs
• Aboriginal Language Revitalization*
• Adult and Continuing Education*
• Business Administration*
• Business Studies for International Students*
• Canadian Studies*
• Computer Based Information Systems*
• Environmental and Occupational Health*
• Foundations in Indigenous Fine Arts*
• Indigenous Governance
• Justice and Public Safety Leadership
• Kodály Methodology
• Public Management*
• Public Relations*
• Restoration of Natural Systems*

Professional Specialization Certificates
• Collections Management*
• Cultural Sector Leadership*
• Heritage Conservation Planning*
• International Intellectual Property Law*
• Local Government Management**
• Performance Management**
• Public Policy**
• Public Services Management**
• School Management and Leadership
• Teaching English as a Foreign Language*
• Voluntary and Non-profit Sector Management**
  * See Division of Continuing Studies, page 217.
  ** See School of Public Administration, page 126.

Island Medical Program
• See Division of Medical Sciences, page 219.

Undergraduate Admission

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

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

IMPORTANT APPLICATION INFORMATION

Requirement to Disclose Information

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

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

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

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

Documentation Required for First Admission

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

Official Transcripts

An official transcript is one which is issued directly to Undergraduate Admissions from the institution previously attended. The student’s copy, a photocopy or an unsealed transcript is considered unofficial and may not be used when making an admission decision. No final decisions regarding admission will be made until final official transcripts have been sent from the
institution directly to Undergraduate Admissions.

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

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

**Appealing Admission/Reregistration Decisions**

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

Normally, grounds for appeal are limited to:

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

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

The Senate Committee on Admission, Reregistration and Transfer will consider all the documentation presented and will make a final decision on the application, subject to review by the Senate Committee on Appeals on the grounds of specific procedural error (see Appeals, page 39).

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

**Applicants Whose First Language is Not English**

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 the BC Provincial Grade 12 English Examination within the last three years prior to admission
- completion of 1.5 or more units of transfer credit for university-level English courses (excluding ENGL 181 and 182)
- Test of English as a Foreign Language (TOEFL)* with a score of 233 or higher on the computerized version, or a score of 575 or higher on the paper test, or a score of 90 or higher on the internet-based test —with no less than 20 out of 30 in any of the reading, listening, writing, or speaking sections.
- Michigan English Language Assessment Battery (MELAB)* with a score of 90 or higher
- International English Language Testing System (Academic IELTS)* with a score of 7 or higher
- Canadian Academic English Language Assessment (CAEL)* with a score of 70, with none of the subtest results below 60

### Documentation Required for Admission

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current BC Secondary School Students</td>
<td>Applicants should apply by February 28 for early admission and designate UVic by completing the Post-Secondary Institution Choices form at their secondary school 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 course(s) were taken.</td>
</tr>
<tr>
<td>Current Secondary School Students from Other Parts of Canada and the United States</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 who have also applied via the Ontario Universities’ Application Centre will not have to send transcripts from their schools.</td>
</tr>
<tr>
<td>All Secondary School Graduates</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>Expanded Qualifications</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 on the website at &lt;registrar.uvic.ca&gt;.</td>
</tr>
<tr>
<td>Transfer Students</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>International Transfer Students</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>Visiting Students</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>Degree Holders</td>
<td>Applicants must have two official final transcripts of all post-secondary work, including proof of conferment of the degree, sent by the issuing institutions to Undergraduate Admissions.</td>
</tr>
</tbody>
</table>
### Undergraduate Information

#### Year 1 Admission Requirements: BC/Yukon Secondary School Graduates

<table>
<thead>
<tr>
<th>Program</th>
<th>Admission Requirements</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</strong> (including School of Physical Education)</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><strong>Computer Science</strong></td>
<td>• Principles of Mathematics 11</td>
</tr>
<tr>
<td><strong>Fine Arts</strong></td>
<td>• Physics 11 • Chemistry 11</td>
</tr>
<tr>
<td><strong>Human and Social Development</strong></td>
<td>• English 12</td>
</tr>
<tr>
<td>(Health Information Science)</td>
<td>• Principles of Mathematics 12</td>
</tr>
<tr>
<td><strong>Humanities</strong></td>
<td>• an approved science 11 course</td>
</tr>
<tr>
<td><strong>Law</strong></td>
<td>• English 12</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>• Principles of Mathematics 12</td>
</tr>
<tr>
<td><strong>Social Sciences</strong></td>
<td>• an approved second language 11</td>
</tr>
<tr>
<td><strong>Requirements</strong></td>
<td>• English 12</td>
</tr>
<tr>
<td><strong>Year 1 Admission Requirements</strong></td>
<td>• three additional approved academic 12 courses</td>
</tr>
<tr>
<td><strong>Graduation</strong></td>
<td>• an average of 67% or higher on English 12 and the three additional academic 12 courses(^2)</td>
</tr>
</tbody>
</table>

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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 2006–2007 may be higher than the minimum published average and may differ from the previous Winter Session cut-offs shown above due to limits on enrollment.
- University of Victoria University Admission Preparation Course (UAPC) with a score of 80% or higher
- a score of Level 6 on the B.C. Language Proficiency Index (LPI) (see also Placement Test Results, page 30)
- a grade of C on the Cambridge CPE, or B on the Cambridge CAE
- a score of 4 or higher on the Advanced Placement Exam in English Language and Composition
- a score of 4 or higher on IB Higher Level English
* Tests taken more than two years prior to application will not be considered.

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

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

English Proficiency: Visiting Students
Visiting students whose first language is not English and who have not studied in Canada or another English-speaking country for four recent academic years in an acceptable program must demonstrate English language proficiency adequate for successful participation in the program. The level of proficiency and the manner in which it will be demonstrated will be stated in the exchange agreement approved by the University.

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

Applying for Admission
- Step 1: Apply online at <registrar.uvic.ca>.
- Step 2: If you are applying for on-campus housing, entrance scholarships or bursaries, please note that these require SEPARATE applications. Visit <www.housing.uvic.ca> and/or <registrar.uvic.ca> respectively for more information.
- Step 3: Check the applications and documentation deadlines, page 8, for programs of interest.
- Step 4: If your first language is not English, check to see if you have demonstrated English language proficiency (refer to Applicants Whose First Language is Not English, page 21 and Undergraduate English Requirement, page 29). Submission of test scores may be required.
- Step 5: If you are applying to the Faculty of Business, Education, Fine Arts or Human and Social Development, there may be additional forms and procedures. Contact the program area directly. Visit <www.uvic.ca/directories> for contact information.
- Step 6: Pay application fees:
  - $40 if all transcripts come from institutions in BC/Yukon
  - $60 if any transcripts come from institutions within Canada, but outside BC/Yukon
  - $100 if any transcripts come from institutions outside Canada
  - $35 Late Application Fee
- DO NOT SUBMIT CASH OR CHEQUES. Our online application form accepts VISA/MasterCard only.
- Fees are subject to change without notice.
- Application fees are NON-REFUNDABLE and are not applicable to tuition fees.
- Step 7: Check to see what documentation will be required. Refer to Documentation Required for First Admission, page 20.
- Step 8: When the application and fees have been received, you will be assigned your UVic student number. You will then be notified of any documents still required to complete your file.
- Step 9: Once your file is complete, an Admissions Officer will evaluate the documentation to determine admissibility and possible transfer credit for any post-secondary courses completed. You will be advised of the decision as soon as possible.

Once you have your UVic student number, you can check your application status online using WebView at <registrar.uvic.ca>. By using WebView and creating a PIN (Personal Identification Number), you can check to see if documents such as transcripts have been received. You will also be able to see if and when an admission decision is made.

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

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

Applicants from Secondary School

1. British Columbia/Yukon

The table on page 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 does not offer 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).

The British Columbia Secondary School Graduation Program 2004 will not result in any changes to the current admission requirements. In the event that the Ministry of Education subsequently modifies any of the course offerings, then the University will inform the second-
Dance: Choreography 12
Dance: Performance 12
Drama: Film and Television 12
Instrumental Music 12
Instrumental Music 12: Concert Band
Instrumental Music 12: Jazz Band
Instrumental Music 12: Orchestral Strings
Music: Composition and Technology 12
Studio Arts 12: Ceramics and Sculpture
Studio Arts 12: Drawing and Painting
Studio Arts 12: Fabric and Fibre
Studio Arts 12: Printmaking and Graphic Design
Theatre Performance 12: Acting
Theatre Performance 12: Directing and Script Development
Theatre Production 12: Technical Theatre
Theatre Production 12: Theatre Management
Writing 12

Approved Mathematics 11 and Equivalents
Principles of Mathematics 11
Applications of Mathematics 12

Approved Social Studies 11 and Equivalents
BC First Nations Studies 12
Social Studies 11
Civics 11

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

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

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

1. Approved as fine arts 11 or 12 courses.
2. A beginners' language 11 will not be accepted.

2. Expanded Qualifications
Academic performance is the main criterion for admission and is used exclusively in the majority of cases. However, the University recognizes that some candidates have other attributes that demonstrate an ability to succeed at university.

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

This admission category is available for the academic year 2006/07, in the Faculties of Humanities, Social Sciences, Human and Social Development (Child and Youth Care only), and Engineering.

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

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

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

3. Other Provinces/Territories Except Ontario and Quebec
Applicants from secondary schools in Alberta, Saskatchewan, Manitoba, New Brunswick, Prince Edward Island, Nova Scotia, Newfoundland and Labrador, Northwest Territories and Nunavut must meet the same admission requirements, present the same number of subjects and present equivalent secondary courses at the appropriate level as those prescribed by each UVic Faculty for graduates of BC secondary schools. See also Expanded Qualifications, above.

4. Ontario
Applicants from Ontario must have completed the Ontario Secondary School Diploma (OSSD), including a minimum of six 4U/4M courses with an overall average of at least 67%, calculated on English 4U and five additional 4U/4M courses. Applicants require qualifications equivalent to those shown in the table for students from BC secondary schools.

Applicants from Ontario who entered Grade 11 prior to September 2001 must have completed the Ontario Secondary School Diploma (OSSD), including a minimum of six Ontario Academic Courses (or grade 13 courses) with an overall average of at least 67% calculated on OAC English and five additional OACs. Transfer credit will not be awarded for the OACs or Grade 13 courses. Applicants require qualifications equivalent to those shown in the table for students from British Columbia secondary schools.

For more information, contact Undergraduate Admissions. See also Expanded Qualifications, above.

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

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 26.

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

Students who meet the above criteria are admitted to the University as "special students" and may register in no more than 6 units of courses in any given academic session. The University will grant credit towards a degree for courses successfully completed when the student is authorized to register in a degree program.

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

1. The applicant is at least 19 years of age.
2. Successful completion of English, Mathematics (academic), a laboratory Science, and Social Studies 11 or equivalent at the advanced or grade 11 level. Courses done through the secondary system must each be worth 4 credits.

3. Successful completion of English plus three approved academic subjects at the grade 12 level. Courses done through the secondary system must each be worth 4 credits, and provincial examinations must be written if 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.

10. Applicants with Credit for Secondary School Calculus

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

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

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

Math Challenge 151
Department of Mathematics
Simon Fraser University
Burnaby BC V5A 1S6
Telephone: (604) 291-3332
Fax: (604) 291-4947

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

11. Applicants with College Board Advanced Placement Credits

Applicants who have passed the Advanced Placement examination in 1989 or later in selected subjects, with a grade of 3 or 4, will receive transfer credit. Refer to the BC Transfer Guide at <www.bctransferguide.ca> for further information.

Applicants who pass the AP examination with a score of 3 will be granted advanced standing for the purpose of meeting a prerequisite but no transfer credit. Applicants should consult with the department concerned for course advice.

12. Applicants to the Canadian University International Study Abroad Program

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

The Canadian University International Study Abroad Program allows UVic students to study abroad while receiving credit toward their UVic program. A first-year program is available so students may enter directly from high school.

The course offerings cover a wide range and include Fine Arts, Languages, Humanities, Social Sciences, Business and Law.

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

13. Home-Schooled Applicants

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

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

OTHER APPLICANT CATEGORIES

Special Access

The University of Victoria is interested in extending university-level learning opportunities to residents of British Columbia who may not qualify under the regular 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 the following criteria:
- the applicant is at least 23 years of age by the beginning of the session applied for, and
- the applicant’s academic achievements have been significantly and adversely affected by health, disability, or family or similar responsibilities.

The Senate Committee on Admission, Reregistration and Transfer selects candidates for admission in the Special category on the basis of:
- their educational history
- non-educational achievements that indicate an ability to succeed at university

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

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

First Nations, Métis and Inuit

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

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

The committee will consider each applicant’s:
- educational history
- non-educational achievements that indicate an ability to succeed at university

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

Qualifying Student

Students who do not meet the regular admission requirements, or who have not yet provided documentation to support regular admission, may request “qualifying student status.” (Please note that this category is not available for admission to the faculties of Education, Fine Arts, 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 a registration date 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 regular 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, regular admission requirements must be met by the time the maximum is reached for the student to continue at UVic.

Auditor

See page 30 for instructions on how to audit courses.
Applicants for Transfer

The general requirements listed below apply to transfer applicants wishing to enter the Faculties of Humanities, Science, 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 125.)

Transfer Credit

Transfer credit from BC community colleges will be assigned according to the equivalencies set out on the BCCAT website at <www.bctransfer-guide.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 admission to the Faculty of Science directly from secondary school, or
- have transfer credit for at least 9 units of science courses including at least 3 units of Mathematics selected from MATH 100, 101, 102, 151.

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 attempted and includes repeated and failed courses. Applicants with less than 12 transferable units must have a minimum GPA of C on any post-secondary record, and 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. Normally, up to 7.5 units of credit is granted upon admission.*

Applicants who have completed a three-year diploma program, with a minimum cumulative average of B, are eligible for consideration. 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.

CEGEPs

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

Canadian Bible Colleges

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

International Baccalaureate Credits

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

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

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

Second Bachelor’s Degree

Students with a bachelor’s degree from UVic or another recognized institution may be admitted to a second bachelor’s degree program if they meet the following conditions:
1. The student must meet the admission requirements for the program of the second degree.
2. The principal areas of study or academic emphasis of the second degree must be distinct from that of the first degree.

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

**International Applicants**

International applicants can find detailed information on admission requirements and application procedures at <registrar.uvic.ca/undergrad>. 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; email: iess@uvic.ca).

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

Students who apply for first-year admission to the 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 Undergraduate 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: <registrar.uvic.ca>.

### Argentina
Bachillerato Especializado in an academic program

### Australia
- ACT: Year 12 Certificate/Tertiary Entrance Rank/Universities Admissions Index (UAI)
- NSW: Higher School Certificate + UAI
- NT: N.T. Senior Certificate of Education (NTCE) + TEC
- QLD: Senior Certificate (SEP) + OP & FP
- SA: SACE Certificate + TER
- TAS: Tasmanian Certificate of Education (TCE) + TER
- VIC: Victorian Certificate of Education (VCE) + ENTER
- WA: Certificate of Secondary Education (WACE) + TES/TER

### Austria
Reifezeugnis/"Matura"

### 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
Tawjihiyah/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 Ensino Médio/Concurso Vestibular (University Entrance Exam)

### Chile
Licencia de Educación Media + Prueba de Aptitud Académica (PA)

### 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 or excellent results on secondary school graduation qualifications

### 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

### Denmark
Studentereksamen/Højere Forberedelseseksamen

### Ecuador
Bachillerato

### France
Baccalauréat de l'Enseignement du Second Degré

### Germany
Abitur/Reifezeugnis/Zeugnis der Allgemeinen Hochschulreife

### Ghana
Senior Secondary School Certificate Examinations (SSSCE), Before 2000, GCE A levels/West African Senior School Certificate Examination (WASSCE)

### Greece
Aptotirion of Lykeion + General Entrance Examination (up to 1999). After 1999: Aptotirio Eniaiou Lykeiou

### Hong Kong
Hong Kong Advanced Level Examinations/Certificate (HKALE) with standing in at least five subject areas, one of which must be English and two of which must be at the Advanced Level. See United Kingdom and Commonwealth

### Hungary
Eretesegi/Matura

### India
All India Senior School Certificate awarded by CBSE/Indian school certificate (awarded by CICSE)/Higher Secondary School Certificate (awarded by State boards)

### Indonesia
Since 1994: Surat Tanda Tamat Belajar Sekolah Menengah Umum (STTB SMU)/Ujian Akhir Negara + Surat Tanda Lulus(STL)

### 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.

### Iran
Diploma Metevaseth/National High School Diploma and pre-university certificate

### Iraq
Sixth Form Baccalauréat (Adadiyah)

### Ireland
Leaving Certificate/Arteistiméireacht with a minimum grade of C3 at the higher level in at least two subjects. Minimum six subjects overall.

### Italy
Diploma di Esame di Stato

### Japan
Kotogakko Sotsugyo Shomeisho (academic curriculum) OR Second Year at a recognized junior college (academic curriculum) with 70% (B) overall

### Jordan
Tawjihi (General Secondary Education Certificate)

### Kazakhstan
Swidetel 'stvojo Srednem Obrazovani and Unified National Test

### Kenya
1989 and thereafter: Kenyan Certificate of Secondary Education; prior to 1989: Kenyan Advanced Certificate of Education or AAEC; see also United Kingdom and Commonwealth

### Korea
South (R.O.K.): Immungey Kodung Hakkyo Choeupchang (Academic Upper Secondary School Certificate). College Scholastic Aptitude Test may be required

### Kuwait
Shahadat-al-thanawia-al-a’ama (General Secondary School Certificate)

### Malaysia
Sijil Tinggi Persekolahan Malaysia (STPM); MICSS Unified Examination Certificate (UCE); see also United Kingdom and Commonwealth

### Mexico
Bachillerato

### Nepal
Higher Secondary Certificate

### Netherlands
VWO (Voorbereidend Wetenschappelijk Onderwijs) Certificate

### New Zealand
Prior to 2004, Higher School Certificate and/or University Entrance, Bursaries and Scholarship Examination; after 2004, National Certificate of Educational Achievement (level 3)
Returning Students Reregistration

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

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

CONTINUING STUDENTS

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

Summer Studies: All eligible students who were registered in the most recent Summer Studies 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: <registrar.uvic.ca>

Students who have registered at another university or college since attending UVic are required to state the names of all post-secondary educational institutions attended (including withdrawals, incomplete and failed studies) and to submit official transcripts of their academic records at these institutions by the due date shown on page 8. Failure to disclose attendance or to submit a transcript in a timely manner will result in a penalty (see Official Transcripts, page 20). 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 38.

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

Reregistration Following Required Withdrawal

Students who have been required to withdraw from UVic in the past because of unsatisfactory progress or standing and who wish to be considered for reregistration must submit an Application for Reregistration. Students who are required to withdraw or denied reregistration will not be permitted to register until they have met the conditions outlined under Minimum Sessional Grade Point Average and Academic Standing, page 38. Students who have not met the conditions for reregistration but who do meet the criteria to appeal (see Appealing Admission/Reregistration Decisions, page 21) may submit a letter of appeal to the Senate Committee on Admission, Reregistration and Transfer. Grounds for appeal to the Committee are limited. Letters should be sent to the Senate Committee on Admission, Reregistration and Transfer, c/o Records Officer, Undergraduate Records. The Committee's decision regarding the student's application is subject to review by the Senate Committee on Appeals only on the grounds of specific procedural error (see Appealing Admission/Reregistration Decisions, page 21).

STUDENTS WRITING DEFERRED EXAMINATIONS

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

APPEALING REREGISTRATION DECISIONS

Applicants who are denied permission to reregister and who can prove extenuating circumstances or provide information that was not presented initially have recourse under Appealing Admission/Reregistration Decisions, page 21. Appeals from returning students should be directed to the Senate Committee on Admission, Reregistration and Transfer, c/o Records Officer, Undergraduate Records.
**Undergraduate Registration**

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

**GENERAL REGISTRATION INFORMATION**

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

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

**Course Selection Responsibility**

Students are responsible for:

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

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

**Registration for Both Terms in Winter Session**

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

**Registration for One Term Only**

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

**Adding and Dropping Courses**

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

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

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

**Concurrent Registration at Another Institution**

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

**Letters of Permission for UVic Students to Undertake Studies Elsewhere**

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

A student must have completed, or be registered in, at least 6 units of course work at UVic to be eligible for a Letter of Permission 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.

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

Applications for Letters of Permission by students must be accompanied by payment (see Miscellaneous Fees, page 43). The $40 dollar fee is not required from students who obtain a Letter of Permission prior to their attendance.

**Registration in Graduate Courses by Undergraduates**

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

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

**Undergraduate English Requirement**

All undergraduate students, including diploma, certificate and unclassified students, must complete 1.5 units of first-year English (excluding ENGL 181 and 182) in order to satisfy the University English Requirement. Students who can show equivalent proficiency in English may be exempt from this requirement.

**Exemptions from the English Requirement**

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

- a score of 86% or higher on the B.C. provincial Grade 12 English examination or a final grade of 86% in Grade 12 English from other Canadian provinces
- a score of Level 6 on the Language Proficiency Index (LPI)
Students who fail LING 099 must repeat the course in each subsequent term until they are placed in either ENGL 099 or ENGL 115. Students are allowed four attempts, normally over two Winter Sessions, to complete the required remedial course work for LING 099 and/or ENGL 099. The attempts must occur in consecutive terms. Students who do not register in LING 099 in consecutive terms or who fail after their allotted attempts will normally be denied permission to return to the University until they have demonstrated the required level of competence in English. Students may appeal the decision to the Senate Committee on Admission, Reregistration and Transfer.

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

**Placement in English 099**

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

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

For students who are placed in ENGL 099 (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.

**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 remedial course within four terms (normally two Winter Sessions) and then must also 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 Thompson Rivers University – Open Learning, a BC community college or another recognized post-secondary institution. Students who are required to write a placement test should contact the LPI Office (see The Language Proficiency Index, page 31 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 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 UVic Graduate Calendar.

**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 Department 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 Calendar, available late February.

**Preparing for Future Studies Outside UVic**

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

The University offers first-year courses in Humanities, Science and Social Sciences that will prepare students to enter the first year of Forestry, and the second year of Agriculture,
Professional Studies
(First-year studies)
Agriculture
Biology
Chemistry
English
Mathematics
Physics or Economics
Applied Science
Chemistry
Computer Science
English
Mathematics
Physics
Architecture
Art
English
History in Art
Mathematics
Physics
Social Sciences
Biology
Chemistry
Human Anatomy
Human Physiology
Mathematics (recommended)
Physics (recommended)
Psychology
Chiropractic
Biochemistry
Human Anatomy
Human Physiology
Mathematics
Physics
Family and Nutritional Sciences
Biology
Chemistry
English
Human Anatomy
Human Physiology
Mathematics
Physics
Biochemistry
Forestry Biology
Chemistry
English
Mathematics
Physics
Medicine
Biology
Chemistry
English
Human Anatomy
Human Physiology
Mathematics (recommended)
Physics (recommended)
Biochemistry
Optometry
Biology
Chemistry
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Pharmacy
Human Anatomy
Human Physiology
Mathematics
Physics
Psychology
Biology
Chemistry
English
Human Anatomy
Human Physiology
Mathematics
Physics
Rehabilitation Medicine
Biology
Chemistry
English
Human Anatomy
Human Physiology
Mathematics/Statistics
Psychology
Speech And Hearing Science
Students intending to pursue studies in the Speech and Hearing Sciences are advised to consult the Department of Linguistics about the BSc program in Linguistics, which offers suitable preparation for this area of study.
Veterinary Medicine
Biology, including Genetics
Chemistry, including Organic Chemistry
English
Mathematics
Physics
Biochemistry
Microbiology
Electives: a course in Statistics is recommended.

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

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Undergraduate Academic Regulations

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

Attendance

Students are expected to attend all classes in which they are enrolled. A department may require a student to withdraw from a course if the student is registered in another course that conflicts with it in time. An instructor may refuse a student admission to a lecture or laboratory because of lateness, misconduct, inattention or failure to meet the responsibilities of the course. Students who neglect their academic work, including assignments, may be refused permission to write the final examination in a course. Instructors must inform students at the beginning of the term, in writing, of the minimum attendance required at lectures and in laboratories in order to qualify to write examinations. Students who are absent because of illness, an accident or family affliction should report to their instructors upon their return to classes.

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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. Most undergraduate scholarships, bursaries and prizes administered by the University are restricted to students enrolled in a minimum of 15 units in each Winter Session.

Maximum Course Load

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

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

Final Year Studies

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

A student authorized to attend another institution who accepts a degree from that institution gives up any right to a UVic degree until the student has satisfied the University's requirements for a second bachelor's degree, page 39.

Course Credit

Accumulation of Credit

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

Advanced Placement or Exemption Without Unit Credit

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

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

Advanced placement or exemption from a required course carries no unit credit.
Completing Program Requirements
A student who has not met the course requirements for the lower years of a program may only proceed to courses in a higher year if the student concurrently takes all courses required to clear any requirements.

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

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

- Students who are unclassified or have non-degree status may not challenge a course.
- A course challenge examination/evaluation normally must be completed before the end of the period for adding courses in both Winter Session and Summer 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.

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

The grade received for a duplicate or mutually exclusive course will be used in calculating a student's sessional Grade Point Average, but credit for the course will not be granted a second time. In the case where a course registration has been partially duplicated by transfer credit, the partial transfer credit will be deleted from the student's record on completion of the "duplicate" course. The student will be assigned full credit for the course at UVic. Transfer credit which duplicates course work previously awarded by UVic will also be deleted from the student's record.

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

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

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

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

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

Policies and procedures may differ for exchange programs administered by individual academic units. Students in the Faculty of Business and the Faculty of Law should consult their faculty. Please see Student Exchange Programs, page 15 for more information.

Canadian University International Study Abroad Program (CUSAP)
CUSAP is offered at the International Study Centre, located at Herstonmecon Castle in East Sussex, UK (for more information, see note 12 on page 25). The program allows UVic students to study abroad while receiving credit toward their UVic program. Upper-year students may choose from a number of interdisciplinary programs, including Fine Arts, Languages, Humanities, Social Sciences, Business and Law.

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

Credit Limit—Beginning Level Statistics and Physics Courses
Students may receive credit for a maximum of 3 units of beginning level statistics courses chosen from the following: ECON 245 (or 240); GEOG 226 (or 321); PSYC 300A; SOCI 371A (or 371); Statistics 100-level or 200-level transfer credit; one of STAT 252, 254, 255, 260 (or 250). 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 deregistered from the course at any point and may be asked to withdraw from his or her declared or intended program.

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

Program Requirement Change
1. Subject to paragraphs 3 and 4, students' programs will normally be governed by the regulations of the faculty in effect at the date of their first registration in the faculty.
4. An academic unit has no obligation to provide access to courses necessary to satisfy previous program requirements for at least five years after the date of the program change.

5. Where a student believes that a program requirement change has unfairly prejudiced her or him due to special circumstances, and that these regulations do not apply to the student’s situation, the student may request the Chair or Director or Associate Dean (in a Faculty without schools or departments) to establish a transition program. A student may appeal a negative decision to the Dean or the Dean's designee. The decision of the Dean or designee is final.  

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

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

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

**Policy on Academic Integrity**

Academic integrity requires commitment to the values of honesty, trust, fairness, respect, and responsibility. It is expected that students, faculty members and staff at the University of Victoria, as members of an intellectual community, will adhere to these ethical values in all activities related to learning, teaching, research and service. Any action that contravenes this standard, including misrepresentation, falsification or deception, undermines the intention and worth of scholarly work and violates the fundamental academic rights of members of our community. The following policies and procedures are designed to ensure that the University's standards are upheld in a fair and transparent fashion.

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

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

**Plagiarism**

A student commits plagiarism when he or she:

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

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

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

**Multiple Submission**

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

**Falsifying Materials Subject to Academic Evaluation**

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

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

**Cheating on Assignments, Tests and Examinations**

Cheating includes, but is not limited to:

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

Candidates found communicating with one another in any way or having unauthorized books, papers, or communication devices such as cell phones and 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 offense 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 designee 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 designee) 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.

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 and 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.
• An instructor may not schedule any test during the last two weeks of classes in a regular 13-week term unless students in the course have been given notice at least six weeks in advance.
• An instructor may not assign a weight of more than 60% of the overall course grade to a final examination without the consent of the Dean of the faculty.

Correction and Return of Student Work
Instructors will normally return all student work submitted that will count toward the final grade, except final examinations.
Instructors are expected to give corrective comments on all assigned work submitted and, if requested to do so by the student, on final examinations.

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

Course Outline Requirement
Instructors are responsible for providing the departmental Chair and the students in the course with a written course outline at the beginning of the course. The outline must state the course content and/or objectives and the following information:
• a probable schedule with the due dates for important assignments and tests
• the techniques to be used to assess students’ performance in the course
• how assignments, tests and other course work will be evaluated and the weight assigned to each part of the course
• the relationship between the instructor’s grading method (letter, numerical) and the official University grading system

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

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

Duplicate Essays and Assignments
A student may submit the same essay or assignment for two courses when both instructors have been informed and have given their written permission to the student.
If a student submits an essay or assignment essentially the same in content for more than one course without prior written permission of the instructors, an instructor may withhold partial or total credit for the course work.

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

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

The same rules may, at the discretion of the department concerned, apply to non-science courses with laboratory work.

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

Academic Concessions
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.
Applications must be accompanied by supporting documentation in all cases.

An academic concession may be:
• a deferral of a final examination, test or other course 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 39. 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 write 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 <registrar.uvic.ca> by the end of October for first-term exams (December), and by the end of February for second-term exams (April). Students should wait until the final examination timetable is posted before making travel or work plans.

Regulations Governing Administration of University Examinations
- 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 make use of any 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 booklets 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.
**Deferred Status**

- A student who becomes ill during an examination or misses an examination because of illness, an accident or family affiliation 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 37).
- 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 held in April, and for courses that finish in April, deferred final examinations scheduled by Undergraduate Records are normally held the last three (3) working days of July. Students will be notified by e-mail of the date of their deferred examination by Undergraduate Records.

If the deferred examination is not to be handled through the department, arrangements will be made through Undergraduate Records. Undergraduate Records will 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 <registrar.uvic.ca/undergrad/forms/forms.html>.

- 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 $60.00. There is no fee for deferred exams written on-campus.
- Students in the BEng program should consult their faculty regulations with respect to the timing of deferred exams.
- Instructors and departments also may schedule deferred final examinations by direct arrangement with the student. Students should contact the department(s) concerned regarding the status of their deferral(s).
- Upon approval of deferred standing (DEF), students in their graduating year must contact the Records Officer for their faculty (c/o Undergraduate Records) immediately to discuss the timing of the final grade(s) submission in relation to the dates of Faculty degree approval and their graduation eligibility.
- The final grade obtained in a course in which deferred status has been granted will be used in calculating the sessional Grade Point Average. If the work is not completed by the specified date, the final grade for the course becomes N.

**Student Access to Final Examinations**

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

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

**Undergraduate Supplemental Examinations**

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

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

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

- Students may apply to write a supplemental examination in a course only if they have written a final examination and have received a final grade of E in the course.
- Students taking 15 or more units in the Winter Session will be granted supplemental examinations only if they have passed at least 12 units of courses in that session. The maximum number of units of supplemental examinations allowed is normally 3. However, the Dean of the student's faculty may authorize supplemental examinations in an additional 3 units if the student will complete a degree by passing all the supplemental examinations granted.
- Students enrolled in Summer Studies courses or taking fewer than 15 units in the Winter Session may be granted supplemental examinations for no more than 3 units; each case will be judged on the basis of the student's overall standing by the Dean of the student's faculty.
- A student in the final year of a degree program who obtains a failing grade in a supplemental examination may be granted a second such examination, at the discretion of the Dean of the student's faculty, if a passing grade in the second examination will complete the student's degree requirements.
- A student who obtains a grade of E in a course completed in December may, if eligible, either repeat the course in the second term if it is offered or write a supplemental examination in late July.
- Any passing grade obtained on a supplemental examination will be shown in the student's academic record with a grade point value of 1, corresponding to a D, and will be taken into account in determining the student's graduating average and standing at graduation, but will not affect the student's sessional Grade Point Average.
- Supplemental examinations cover only the course work covered by written final examinations. If there was no written final examination in the course, or if a passing grade in a supplemental examination will not yield an overall passing grade in the course, a supplemental examination will not be provided.
- Supplemental examinations for Summer Studies courses and for courses taken by students who are in attendance only during the first term of the Winter Session are arranged in consultation with the department or school that grants them. Supplemental examinations for all other courses taken in the Winter Session are written about the end of July.
- Students who fail to write a supplemental examination at the scheduled time forfeit both their eligibility and any fees paid for the examination.
- Supplemental examinations for courses taken during the first term of the Winter Session or during Summer Studies are scheduled by arrangement through the department.
- If the supplemental examination is not to be handled through the department, arrangements...
will be made through Undergraduate Records. The student will be notified by e-mail regarding the supplemental exam, with a link to the supplemental examination application. The student must fill out the application online and return it to Undergraduate Records, accompanied by the necessary fees, by the end of the third week in June. Also, the application to write a supplemental exam is accessible online at <registrar.uvic.ca/undergrad/records/forms/forms.html>.

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

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

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

**Grading**

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

The table below 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 school or department.

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

Students’ grades are available at the Undergraduate Records WebView website: <registrar.uvic.ca>. First-term results for full-year courses are released by instructors, not by Undergraduate Records.

**Review of an Assigned Grade**

Reviews of assigned grades, for either part 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 34; Student Access to Final Examination, page 36; and Release of Grades, above.

- Before applying for a formal review of a grade as outlined below, students should make every effort to discuss and/or submit a written appeal about the assigned grade with the instructor (see individual faculty procedures).
- If the instructor or Chair/Director does not agree to a review of the grade, then a formal request for review of a grade, including the grade review fee of $25, may be submitted to Undergraduate Records, normally within 21 days of the release of grades.
- Students must keep all written work returned to them by the instructor during the term and make any work available that forms part of the grade to be reviewed. Undergraduate Records will make available completed final examinations when necessary.
- Undergraduate Records will send all materials involved in the grade review to the department Chair/Director, who will then arrange an independent evaluation of the grade (see individual faculty procedures).
- The grade determined by means of a review will be recorded as the final official grade, re-

<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>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>B</td>
<td>5</td>
<td>Conditional suplemental.</td>
</tr>
<tr>
<td>B-</td>
<td>4</td>
<td>Unsatisfactory performance. Wrote final examination and completed course requirements; no supplemental.</td>
</tr>
<tr>
<td>C+</td>
<td>3</td>
<td>Did not write examination or complete course requirements by the end of term or session; no supplemental.</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>Incomplete. Used only for those credit courses designated by the Senate, to be replaced with a final grade by June 1. Such courses are identified in the course listings.</td>
</tr>
<tr>
<td>D</td>
<td>1</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 36.</td>
</tr>
<tr>
<td>COM</td>
<td>N/A</td>
<td>Unknown. Used when grade is unknown.</td>
</tr>
<tr>
<td>INC</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>DEF</td>
<td>N/A</td>
<td>Co-op Interrupted Course. See Co-op Regulations (14), page 46.</td>
</tr>
<tr>
<td>UNK</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>
<tr>
<td>INP</td>
<td>N/A</td>
<td>Note</td>
</tr>
<tr>
<td>CIC</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>
UNDERRADUATE INFORMATION

gardless of whether it is the same as, higher than or lower than the original grade.

- Students considering a review request should note that examination papers graded E or F (and D in some faculties) are automatically read at least a second time before the grades are recorded. For that reason, an applicant who is eligible for a supplemental examination should prepare for the examination in case a change in grade is not available before the time of the supplemental examination.

- Requests for review or other consideration based on compassionate grounds such as illness are governed by separate regulations (see the entry “Academic Concessions,” page 35 and the entry “Deferred Status,” page 36).

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

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

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

Transcripts will not be issued until all financial obligations to the University have been cleared. Students who require proof of degree completion prior to convocation can request a letter from Undergraduate Records.

STANDING
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).

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

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

Students who are on academic probation and who achieve a sessional Grade Point Average of 2.0 or above at Uvic will clear their probation status at the end of the session, except as noted below.

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

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

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

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

Requirement to Withdraw from the University
A student who is on academic probation and whose Winter sessional or Summer sessional Grade Point Average falls below 2.0 (or equivalent if a Uvic student takes courses elsewhere for credit towards a Uvic program) will have failed to clear their probation status. These students will be required to withdraw regardless of the registered unit total, normally for one academic year.

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

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

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

Students who have grounds for appeal as noted under Appealing Admission/Reregistration Decisions, page 20, may appeal to the Senate Committee on Admission, Reregistration, and Transfer, stating why they should be considered for reregistration.

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

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

Accumulation of Failing Grades
A “warning notice” will be issued when five failing grades are accumulated throughout a student’s entire undergraduate academic record. The notice is for information only and carries no academic penalty. The notice contains informa-
tion that may assist students in avoiding assignment of further failures.

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

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

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

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

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

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

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

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

- to have satisfied the Undergraduate English requirement, page 29
- to present credit in a minimum of 60 units of university level courses numbered 100 and above; at least 21 of the units must be numbered at the 300 or 400 level; at least 18 of the 300 or 400 level units must be UVic courses, and at least 30 of the units must normally be UVic courses. (Post-diploma nursing students are advised to refer to the regulations specific to the School of Nursing; see Minimum Degree Requirements, page 125.)
- to meet the specific degree and program requirements prescribed by the undergraduate faculty in which the candidate is registered
- to have a graduating Grade Point Average of at least 2.0

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

Standing at Graduation
Graduating Average
The graduating average of a student in a bachelor's degree program (other than BEng 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 300 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 graduating average is 6.5 or higher and who have satisfied any additional requirements specified by individual faculties and departments.

Please note that the Faculty of Engineering (BEng and BSEG degrees only) and the Faculty of Human and Social Development require a graduating average of at least 7.0 for a “With Distinction” designation. For the Faculty of Education requirements, please see Section 6.6.2.

Graduation Ceremonies
The formal conferral of degrees takes place at a convocation ceremony in the fall and spring each year.

To qualify as candidates for graduation in the fall (November) convocation, students must have finished their UVic course work by the end of August. Students completing final requirements in the first term of Winter Session cannot be considered for fall convocation.

To qualify as candidates for graduation in the spring (June) convocation, students must have completed their UVic course work by the end of April. Students completing final requirements in the May sequence of Summer Studies cannot be considered for spring convocation.

Grades and Grade Point Average
Grades at convocation ceremonies in November and May each year prior to the awarding of degrees at convocation ceremonies in November and June, respectively.

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

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

SECOND BACHELOR'S DEGREES
Students with a bachelor's degree from UVic or another recognized institution may be admitted to a second bachelor's degree program if they meet the admission requirements (see Second Bachelor's Degree, page 26), and the following conditions:

- At least 30 units of credit must be completed in addition to the units required for the first degree; normally, 21 of these 30 must be UVic courses at the 300 or 400 level. If the first degree was completed elsewhere, all 30 units must be completed at UVic.
- The student must meet all program and graduation requirements for the second degree beyond those required for the first degree.

Students who expect to apply courses towards a second degree should check with the Dean or advising centre of the faculty at least two months before graduating from their first degree program to confirm that they will be able to include these courses in their second degree program.

Surplus Credit Allocation with Dean's Permission
Students who have completed or plan to complete more than the minimum upper-level requirements for their first degree with the intention of applying the additional course work towards the requirements of a second degree, must seek the permission of the Dean of their faculty or their faculty advising centre at least two months before graduating in their first degree.

Concurrent Bachelor's Degrees
In certain cases, it may be possible for a student to complete the requirements of two UVic degrees concurrently, subject in all cases to the requirements for a second bachelor's degree (see Surplus Credit Allocation, above).

Appeals
Students who have grounds for believing themselves unjustly treated within the University are encouraged to seek all appropriate avenues of redress or appeal open to them.

Academic Matters
Academic matters are the responsibility of course instructors, departments, faculties and the Senate.

Depending on the nature of the academic matter of concern to the student, the order in which the student should normally try to resolve the matter is: first, the course instructor; second, the
Chair of the department; third, the Dean of the faculty; and finally, the Senate. In addition, the student may wish to consult the UVSS Ombudsperson (see page 16). A student seeking a formal review of an assigned grade should consult the regulations on page 37.

**Appeals to the Senate**

Once all the appropriate 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 judgement, students may appeal to the Senate. Students should submit their appeal in writing to the Secretary of Senate and should include with the appeal a clear and precise statement of:

- the decision or act or treatment which is being appealed (including the name of the person or body whose decision, act or treatment is being appealed)
- the reasons the student believes the appeal should be allowed
- the remedy or relief the student is seeking

**Terms of Reference for Senate Committee on Appeals**

1. **Preamble:**
   - 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 judgement. 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.
   - 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 consist of 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 approve, amend the Procedural Guidelines from time to time in light of experience. Where, in the hearing of a particular appeal, the Procedural Guidelines are in conflict with the principles of fairness and natural justice, a Hearing Panel shall depart from the approved Procedural Guidelines with regard to that appeal.

5. **Time Limit for Filing an Appeal**

   Normally, an Appellant must file a Notice of Appeal with the University Secretary within six (6) months of the decision, action or treatment being appealed. If the Notice of Appeal is not filed within this period of time, the Appellant must provide reasons for the delay in the Notice of Appeal. An appeal may be dismissed by reason of the delay in filing the Notice of Appeal.

6. **The Decision of a Hearing Panel is Final**

   The decision of a Hearing Panel is final and no appeal lies to the full Senate Committee on Appeals or to the Senate from a decision of a Hearing Panel.

7. **Reopening of an Appeal**

   Normally, an appeal may be reopened only if, in the opinion of the members of Senate Appeals Committee who were not members of the Hearing Panel that initially heard the appeal, there is new evidence and the Committee is satisfied that:
   a) the evidence could not have been found and tendered at the original hearing by the exercise of reasonable diligence, and
   b) the relevancy and cogency of the new evidence is such that it had been tendered at the original hearing there is a substantial probability that it may have affected the outcome.

   Prior to making its decision the Senate Appeals Committee shall read the decision of the initial Hearing Panel including any dissenting reasons. Where the Senate Appeals Committee decides to reopen an appeal, the appeal shall be referred to a Hearing Panel that consists of members who were not members of the Hearing Panel that previously heard the appeal.

8. **Annual Report to Senate**

   a) The Chair of the Committee shall make an annual report to Senate in May containing the following information:
      i) the number of appeals that have been heard and decided since the last report to Senate;
      ii) a summary of each appeal that has been decided, prepared in a manner that is not likely to disclose the identity of the Appellant, the Respondent or individual instructors, and that includes:
         - the decision, act or treatment that was the subject of the appeal,
         - the grounds or reasons for the appeal,
         - the remedy or relief sought by the Appellant,
         - the disposition of the appeal by the Hearing Panel; and
      iii) the number of appeals that are pending where no decision has been rendered.
   b) If the Hearing Panel or the Committee has found any University regulation or procedure that appears to need revision, the annual report of the Standing Committee on Appeals may recommend appropriate action.

**Petitions**

Students whose circumstances are such that an academic regulation appears to cause them undue hardship are encouraged to consult their faculty advising centre or departmental Chair to determine whether the regulation is subject to waiver by the Dean of the faculty on petition by a student. The Dean's decision in such matters is final, subject to review by the Senate Committee on Appeals on grounds of specific procedural error (see above).
Undergraduate Tuition and Other Fees

Students, parents and sponsors are advised that the following tuition fees have been approved by the Board of Governors for the 2007-2008 academic year. Please note, however, that ancillary fees may still change.

GENERAL REGULATIONS

Students should note that the University reserves the right to change fees without notice. The University will give notice of any changes as far in advance as possible by means of a Calendar Supplement.

Student Responsibilities

• Students become responsible for knowing in which courses they are registered. Students are required to formally drop courses, most often by using the web registration system (WebReg), rather than rely on instructors to drop them due to non-attendance.

• Students waitlisted for courses are responsible for monitoring their registration status with both instructors and the web registration system. Using web registration, students should recheck their registration. The courses listed on the system are those for which the student will be assessed fees.

• Students are responsible for determining their fees, either from the Calendar and any calendar supplements or through the UVic website (see address below).

• See also Duplicate and Mutually Exclusive Courses, page 32.

Fee Accounts

The fees for a term comprise:

1. full tuition for term courses taken that term
2. one half tuition for full year courses/programs taken that term
3. any other fees assessed for that term

Statements of account are not mailed to students. Students may view their account balances at <registrar.uvic.ca> after selecting WebView.

Students adding or dropping courses should allow 24 hours for accounts to be updated.

Terminals providing access to individual tuition fee information are located outside Accounting Services on the second floor of the University Centre. Students unable to obtain their tuition fee information from the UVic website may call (250) 721-7032, (250) 721-7033 or 1-800-663-5260.

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

First-term overpayments and other credits in excess of term fees are applied to unpaid accounts or to the next session if a student is registered in the following session. Any remaining credit balance for a session is refunded on request.

Tuition fees for credit courses are exempt from the Goods and Services Tax (GST), but GST may be required on other fees.

Sample Fees for a Full-time First Year Undergraduate: Winter 2007-08 (Domestic)

<table>
<thead>
<tr>
<th>Item</th>
<th>Humanities, Science, Social Sciences, Fine Arts, HSD</th>
<th>Business</th>
<th>Education</th>
<th>CENG, ELEC, MECH, SENG &amp; Computer Science</th>
<th>Law</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$4,491.00</td>
<td>$6,144.00</td>
<td>$4,491.00</td>
<td>$4,928.40</td>
<td>$7,860.00</td>
</tr>
<tr>
<td>Athletics/Recreation Fees</td>
<td>$136.00</td>
<td>$136.00</td>
<td>$136.00</td>
<td>$136.00</td>
<td>$136.00</td>
</tr>
<tr>
<td>UVic Students' Society Fees</td>
<td>$132.36</td>
<td>$132.36</td>
<td>$132.36</td>
<td>$132.36</td>
<td>$132.36</td>
</tr>
<tr>
<td>Other Students' Society Fees</td>
<td></td>
<td>$50.00</td>
<td>$15.00</td>
<td>$60.00</td>
<td>$180.00</td>
</tr>
<tr>
<td>UVic Students' Society Extended Health Plan</td>
<td>$135.00</td>
<td>$135.00</td>
<td>$135.00</td>
<td>$135.00</td>
<td>$135.00</td>
</tr>
<tr>
<td>UVic Students' Society Dental Plan</td>
<td>$120.00</td>
<td>$120.00</td>
<td>$120.00</td>
<td>$120.00</td>
<td>$120.00</td>
</tr>
<tr>
<td>U-Pass Bus Pass</td>
<td>$122.00</td>
<td>$122.00</td>
<td>$122.00</td>
<td>$122.00</td>
<td>$122.00</td>
</tr>
<tr>
<td>Total</td>
<td>$5,136.36</td>
<td>$6,839.36</td>
<td>$5,151.36</td>
<td>$5,633.76</td>
<td>$8,685.36</td>
</tr>
<tr>
<td>First payment</td>
<td>$2,695.68</td>
<td>$3,547.18</td>
<td>$2,703.18</td>
<td>$2,944.38</td>
<td>$4,470.18</td>
</tr>
<tr>
<td>Second payment</td>
<td>$2,440.68</td>
<td>$3,292.18</td>
<td>$2,448.18</td>
<td>$2,689.38</td>
<td>$4,215.18</td>
</tr>
</tbody>
</table>

1. Ten courses x 1.5 fee units.
2. Ten Business courses x 1.5 fee units.
3. Nine courses x 1.5 fee units plus one course
4. For Law students, full time is defined as 6 or more units per term.
5. Half of these fees are charged in each term.

Payment Due Dates

Fees are due by the following dates:

First term: September 30
Second term: January 31

Any additional fees owing as a result of changes in a student's registration are due by the end of the month in which the changes are made.

Payments must be received by the Accounting Services office by 4:00 pm on the due dates (or on the preceding work day if the due date falls on a holiday or weekend). Students should note that banking machine and web banking payments will be accepted until midnight on due dates.

Students are responsible for making their payment by the due date whether or not they received a statement of account.

Students who have not paid their full fees by October 31 in the first term and February 28 in the second term may have their course registrations cancelled and be denied other services.

Making Payments

Students are asked to make their payments by Internet or telephone banking, or debit card. Due to commission rates, tuition fee payments cannot be made by credit card.

Students paying through Internet or telephone banking should allow at least 48 hours for funds to be transferred to Accounting Services.

Students may also send their payment by mail, with the cheque or money order (do not mail cash) made payable to the University of Victoria to:

University of Victoria
Accounting Services
Box 3040 STN CSC
Victoria BC V8W 3N7
For second-term courses and second half of full-year courses
On or before:  
January 16  100%  
February 6  50%

For courses with unusual start dates or shorter durations (days shown are calendar days, not lectures):
Duration 100% reduction 50% reduction
1-5 days N/A N/A
6-14 first 1 day N/A
15-31 first 5 days N/A
32-62 first 7 days next 7 days
63 or more first 14 days next 21 days

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 9 or February 6.

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, Accounting Services, 2nd Floor, University Centre.

FEES FOR UNDERGRADUATE PROGRAMS
The “Sample Fees” table shows examples of the fees for students (Canadian citizens or permanent residents) who are taking five on-campus courses in each term of the Winter Session.

Acceptance Deposit
Undergraduate students admitted for the first time to take credit courses must pay an acceptance deposit of $200.00 to Accounting Services 24 hours before gaining access to 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.

Business Tuition
0.5 credit units
- Domestic .............................. $204.80
- International ........................ $628.70
1.5 credit units
- Domestic .............................. $614.40
- International ........................ $1886.00
2.0 credit units
- Domestic .............................. $819.00
- International ........................ $2514.70
3.0 credit units
- Domestic .............................. $1228.80
- International ........................ $3772.00

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 .............................. $497.70
- International ........................ $1568.60
ELEC 395, ENGR 446 (1.0 credit unit)
- Domestic .............................. $329.30

Other fees:
- Application fee .......................... $75.00
- first-year acceptance deposits:
  - first, upon acceptance ($100.00 is refundable if the student withdraws by April 15) .......................... $200.00
  - second, by June 10 ($100.00 is refundable if the student withdraws by August 15) .......................... $200.00
- Law Students’ Society, per term .................. $10.00
- Career Development Office .................. $80.00
  (fewer than 6 units) .................. $50.00

Law Tuition
Full time, per term
- Domestic .............................. $3930.00
- International ........................ $10451.55
Part time, per credit unit
- Domestic .............................. $524.00
- International ........................ $1393.50
Co-op program, per work term
- Domestic .............................. $586.30
- International ........................ $1963.60

Other fees:
- Law Tuition ........................ $80.00
  (fewer than 6 units) .................. $50.00

Other Fee Reductions
For first-term courses and the first half of full-year courses:
On or before:  
September 18  100%  
October 9  50%

Students may pay in person at Accounting Services, 2nd Floor, University Centre, but are reminded that queues will be long just before due dates.

Students should ensure that their student number and the session (e.g., 2007W) are written on the face of their cheque.

Overdue accounts
A service charge of 1.5%, annualized at 19.56% (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 <registrar.uvic.ca> before the full fee reduction deadlines, particularly if they have made course changes or been waitlisted.

Please note that deadlines for obtaining fee reductions are different from course drop deadlines for academic purposes.

Undergraduate Tuition Fee Reductions
The following fee reductions apply to undergraduate students and auditors enrolled in undergraduate courses. Please note that acceptance deposits are not refundable.

For first-term courses and the first half of full-year courses:
On or before:  
September 18  100%  
October 9  50%

Undergraduate Tuition (except Faculties of Law, Business and Engineering)
Per credit unit
- Domestic .............................. $299.40
- International ........................ $968.80
Course challenge: per credit unit
- Domestic .............................. $149.70
- International ........................ $484.40
Co-op program, per work term
- Domestic .............................. $612.00
- International ........................ $1020.00
Co-op work term challenge
- Domestic .............................. $306.00
- International ........................ $510.00
Cultural Resource Management Program
HA 488 and HA 489 (1.5 credit unit) .......................... $550.00
1. May be waived for students who have completed a non-credit diploma program and paid equivalent credit program fees; students should apply to Continuing Studies.
More information about the plan is available on -

cluding the deadline. Students must opt out each

responsibility to check your Tuition Fee State-

should you choose to opt out on line, it is your

curate information, you will not be opted out of

health dental/>. If you enter incomplete or inac-

line OR opt out on line at <www.uvss.uvic.ca/

Union Building (SUB) Info Booth by the dead-

bership card, showing the name of the insurance

current extended health and dental plan mem-

and Dental Plan, students must present their

and will be assessed for the UVSS Extended

Medical Plans, above, for more information.

- University of Victoria (UVIC) the opt out deadline is 4 pm January

2007 and receive a credit. For students registered

uary 2008, the opt out deadline is 4 pm January

31, 2008. Co-op students are eligible for coverage

on a co-op work term)

students who carry acceptable alternative coverage

from year to year.

The coverage offered by the UVSS Student Ex-

ended Health Plan is supplementary to that

provided by provincial medical services. It does

not replace coverage provided by provincial

medical plans.

Students are initially assessed the premium for

the UVSS Extended Health and Dental Plan. Stu-

dents who carry acceptable alternative coverage

may opt out of the plans by 4 pm September 30,

2007 and receive a credit. For students registered

in 3 or more units whose studies commence Jan-

uary 2008, the opt out deadline is 4 pm January

31, 2008. Co-op students are eligible for coverage

and will be assessed for the UVSS Extended

Health and Dental Plan.

To opt out of the UVSS Student Extended Health

and Dental Plan, students must present their

current extended health and dental plan mem-

bership card, showing the name of the insurance

company and the policy number, to the Student

Union Building (SUB) Info Booth by the dead-

line OR opt out on line at <www.uvss.uvic.ca/

health dental/>. If you enter incomplete or inac-

urate information, you will not be opted out of

the UVSS Extended Health and Dental Plan.

Should you choose to opt out on line, it is your

responsibility to check your Tuition Fee State-

ment to confirm reversal of fees up to and in-

cluding the deadline. Students must opt out each

year.

More information about the plan is available on-

line or at the SUB Info Booth (721-8355).

UVic Undergraduate Students’ Society

Universal Bus Pass Plan (U-Pass)

The UVSS provides a mandatory bus pass plan

for all undergraduate and graduate students.

The U-Pass was approved by student referen-

and in 1999.

The U-Pass fee is $61.00 per term. The U-Pass pro-

vides students unlimited access to all Greater Vic-

toria BC Transit buses and HandyDart services.

Only the following students may opt-out from

the U-Pass plan:

• students with a BC Bus Pass

• students with mobility disabilities which pre-

vent them from using BC Transit or HandyDart

services

• students taking both Camosun College and

UVic courses

The deadline for opting-out is Sept 30 (for first

term) and Jan 31 (for second term).

New students can obtain their UVic ID cards at

the University Centre. Returning students can

validate their student card and receive a new U-

Pass sticker at the University Centre, Student

Union Building or Graduate Student Society.

More information about the plan is available at

the SUB Info Booth (721-8355).

Other Undergraduate Fees

UVic Students’ Society fees:

Students taking on-campus courses, per
term:

- activity fees .................................................. $53.18
- building fund .................................................. $13.00
- Athletics and Recreation fees1 .................................. $68.00
- Education Students’ Association2 ................................ $7.50
- Engineering Students’ Society3 ................................ $30.00
- Commerce Students’ Society ................................ $25.00
- U-Pass, per term ................................................. $61.00

Students applying to graduate:

- Graduation fee .................................................. $30.00
- UVic Students’ Society
graduating class fee ............................................. $10.00
- UVSS Extended Health4 ......................................... $135.00
- UVSS Dental ................................................... $120.00

1. Students registered in less than 4.5 units pay half this amount.

2. Students may request a refund of the EdSA fee by applying to the EdSA Executive during the first two weeks of classes of each term.

3. Students may request a refund of the ESS fee in November and March by applying directly to the appropriate professional development union.

4. Premium for students taking 3 or more units of on-campus courses. See UVSS Extended Health and Dental Plans, above, for more information.

Fees for International Students

International students (those not holding Cana-
dian citizenship or permanent residency at the
beginning of the session) are required to pay
international tuition fees for undergraduate and
graduate programs and courses. Fees will be
adjusted to regular rates for students who show
official documentation of citizenship or perma-
nent residence status before the deadline for
dropping courses for each session (October 31
and February 28).

Undergraduate international students are re-
quired to pay an international student applica-
tion fee of $100.00.

Fees for Auditors

Audit fees per credit unit:

Under age 65
- Domestic .................................................. $149.55
- International ............................................... $480.90
- Age 65 or over
- Undergraduate .................................................. $50.70
- Graduate ..................................................... $85.40

2007-08 UVIC CALENDAR

MISCELLANEOUS FEES

Undergraduate application fee
- if all transcripts come from institutions in Canada .............................................. $60.00
- if any transcripts come from institutions outside Canada ........................................ $100.00

Document evaluation ...................................................... $40.00

Late application/registration ............................................. $35.00

Application to reregister ................................................... $15.00

Returned cheque ......................................................... $15.00

Supplemental examination, per paper
- on campus ......................................................... $50.00
- off campus ......................................................... $60.00

Transcripts, per copy ...................................................... $10.00*

Transcripts (priority), per copy ...................................... $17.00*

Education Deduction and Tuition Certificate replacements and fee payment confir-
mations ......................................................... $4.28*

Calendar mailing charges - overseas .................................. $14.00
- USA ..................................................................... $10.00
- inside Canada ...................................................... $8.00

Language 11 Equivalency Test ........................................ $162.00

Graduation certificate - replacement .................................. $50.00
- certified copy ...................................................... $15.00

Document fee - per copy ................................................. $3.00*

Final grade review fee (refundable if grade review successful) ........................................... $25.00

Application for second degree or for change of degree status ........................................... $8.00

Degree completion letter ................................................. $8.00*

Degree completion letter (priority) ................................... $15.00*

Letters of Permission to undertake studies elsewhere, per application, per institution ........................................... $10.00*

* Includes Goods & Services Tax (GST)

Undergraduate Financial Aid

All UVic undergraduate scholarships, bursaries,
medals and prizes adjudicated by the University
of Victoria are administered by the Senate Com-
mitee on Awards.

Financial aid in the form of bursaries, grants,
loans and work-study positions is available to
students based on financial need.

Detailed information on financial aid awards
and application procedures is available through
the Student Awards and Financial Aid website at <registrar.uvic.ca/SAFA>.

GENERAL REGULATIONS

- Except where a donor directs otherwise, the
proceeds of awards issued by or through the
University are applied towards a student’s total
fees for the academic year. If the financial aid
a student receives exceeds this amount, the
balance will be paid to the student. Proceeds from
government loans and work study positions are
paid directly to the student.

- An award of financial aid may be withheld or
cancelled if there is a lack of suitable candidates
or a donor withdraws the award, or if the student
receiving the award withdraws from UVic or
fails to meet the terms and conditions of the
award.
- If for any reason the original recipient becomes ineligible for an award, the funds may be reassigned to other students.
- Unless otherwise noted, all financial aid available through the University is limited to Canadian citizens and permanent residents.

**Undergraduate Bursaries**

Bursaries are non-repayable awards based on financial need and reasonable academic standing, as determined by the Senate Committee on Awards. Bursaries are available both for students entering UVic and for undergraduates already attending the University. Bursary applications are available to print from the Student Awards and Financial Aid website: <registrar.uvic.ca/safa>.
- Entrance bursaries awarded by UVic require application by October 15, unless otherwise indicated in the award description. Entrance bursaries for students planning to study at UVic are also available through the University of British Columbia and other external organizations.
- Bursaries for undergraduates attending UVic require application by October 15. A number of bursaries are awarded on the recommendation of Student Awards and Financial Aid and/or the student's academic unit. Students should contact their faculty, school or department for information on nomination procedures.
- To be eligible for a bursary, students must maintain registration in a minimum of 60% of a full course load (4.5 units or more) for credit in each term for which they receive a bursary. Students with a permanent disability must maintain registration in a minimum of 40% of a full course load (3.0 units or more) for credit in each term to qualify for bursary assistance.

**Grants**

Grants are non-repayable awards based on financial need as determined by the office or agency contributing the award. Grants are administered by Student Awards and Financial Aid. Grants are available for part-time students, for female doctoral students, for students with permanent disabilities and for students with dependents.

**Loans**

Loans are repayable and are based on financial need. Both the federal and provincial governments offer student loans. Only one application is needed to be considered for both types of loans. BC students apply to the British Columbia Student Assistance Program (BCSAP) for BC student loans and for Canada Student Loans. An online application for the BCSAP is available at <www.studentaidbc.ca>.

Students must submit their loan applications by August 1 in order to have their loans processed in time to meet fee payment deadlines. To qualify for Canada Student Loans and most provincial student loans, students must be enrolled in at least 4.5 units for credit (3 units for students with a permanent disability), excluding duplicate and/or mutually exclusive course work, in each term of the Winter Session.

In addition to government student loans for full-time study, other loan programs are available for part-time students, for students in emergency situations, for members of the Canadian Forces and their dependents and for students who do not qualify for Canada Student Loans.

**Work Study**

Work-study positions are subsidized jobs on campus, which are allocated on the basis of financial need. Work-study positions are administered by Student Awards and Financial Aid.

To qualify for work-study, students apply to Student Awards and Financial Aid for a work-study authorization.

The number of work-study positions is limited; eligible students are not guaranteed a placement. Final decisions on hiring are made by the project supervisors.

**Undergraduate Scholarships, Medals and Prizes**

Scholarships, medals and prizes are awarded to students on the basis of academic merit or excellence. Awards for undergraduate study are administered by Student Awards and Financial Aid. Detailed information on undergraduate awards and application procedures is available through the Student Awards and Financial Aid website at <registrar.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 be a full-time student registered in 12 or more units of study in the Winter Session of which 10.5 units are graded using the standard nine-point scale.
- Students in the BEd (Elementary) program enrolled in Year 4 will be eligible for awards based on completion of 12 units of course work, of which 10.5 units are graded using the standard nine-point scale.
- The standing of full-time students who are registered in 13 or fewer units of course work will be determined on the basis of grades in all course work. For students taking more than 15 units, standing will be based on their best grades in 15 units.
- 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 as a full-time student.
Undergraduate Co-operative Education

Co-operative Education is a process of education which formally integrates students’ academic and career studies on campus with relevant and productive work experience in industry, business, and government.

The accumulation of up to two years of varied and program related work experience enhances students’ intellectual, professional, and personal development, by providing opportunities for applying academic theories and knowledge, evaluating and adjusting career directions, and developing confidence and skills in working with people.

Co-operative Education Programs Offered

Undergraduate Co-operative Education programs are currently offered in the following faculties and departments:

• Faculty of Business
• Faculty of Education
  - School of 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 or program except in fulfillment of the co-op work term requirement as noted above.

Work Term Preparation

Co-op students are expected to complete successfully a program of seminars and workshops (typically one hour per week), prior to undertaking their first work term. This program is designed to prepare students for the work term. The following topics will be covered: Co-op program objectives/expectations, job seeking skills, transferring skills to the workplace, learning objectives, job performance progress and evaluation. Students should consult with their coordinator 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. Students 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 satisfactory performance on the work term and the submission of a satisfactory work term report by the deadline specified by the individual department. Students who are assigned a grade of F or N for a work term that carries 2.0 units will have a 0 grade point assigned for that work term and this grade point will be used in the calculation of both the sessional and cumulative grade point averages; it may also affect the student’s academic standing (e.g., academic probation or requirement to withdraw—see calendar “Minimum Sessional Grade Point Average and Academic Standing”).

4. A failed work term will normally result in the student being required to withdraw from the Co-op Program, subject to review by the department.

5. A Co-op Program fee, which is nonrefundable, is due in the first month of each work term and is subject to the Fees regulations on page 42.

6. In the undergraduate programs, students are required to complete satisfactorily the number of work terms specified by the academic program; normally at least four work terms are required, and in the Faculty of Business, the School of Health Information Science and the BSc 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 work place. For programs requiring a minimum of four work terms, normally at least three of the required work experiences must be separated from each other by at least one academic term.

8. Work term reports are normally due during the first month following each work term, at a time established by the department, for evaluation as part of the assessment of the work term.

9. In the event of a work stoppage (e.g., strike, lay-off) within the first nine weeks of a work term, an attempt will be made to arrange an alternative work placement, to enable the student to complete the work term. If the work stoppage occurs after nine weeks, the work term will be accepted for credit providing all other work term requirements are met.

10. The transferability of work terms from other institutions which offer Co-op programs is determined by individual Co-op departments on the merits of each completed work term. The number of work terms accepted for transfer or combined transfer and challenge must be not more than 50% of the total number required for completion of the Co-op Program.

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.

15. If the student is not satisfied with a decision made in any one of the areas listed in 1-14 above, the student may appeal to the Senate Committee on Appeals. This appeal process is governed by the Regulations on Appeals, page 39.

STUDENT APPEAL PROCEDURES

1. Students who are not satisfied with the decision of the Co-op coordinator should attempt to resolve their concerns at the Co-op program level.

2. If a student is not satisfied with a decision at the program level, the student may appeal the decision in writing to the Dean of the relevant faculty and the Executive Director of Co-operative Education, with a copy to the Co-op coordinator who made the decision or ruling being appealed. The Co-op Coordinator may file a written response to the appeal to the Dean and the Executive Director, with a copy to the appellant. The Dean and the Executive Director will consider the appeal.

The Dean and the Executive Director may request additional written submissions from the student and the coordinator and may invite the student and the coordinator to make oral submissions. The Dean and the Executive Director shall communicate their decision in writing to the student and the coordinator in a reasonable time.

3. If the student is not satisfied with this decision, the student may appeal to the Senate Committee on Appeals. This appeal process is governed by the Regulations on Appeals, page 39.

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.

CRIMINAL RECORDS CHECK

UVic students employed in cooperative work terms, placed in practica or enrolled as student members in their professional organizations may be required to undergo criminal records reviews by legislation (e.g., BC Criminal Records Review Act), or because of the risk management policies of the organization with which the student will be associated. Students are responsible for providing authorization for the review to the employer, practice agency or professional organization upon request and cooperating in the conduct of the review as needed. Without this authorization or cooperation, an organization may revoke its offer of employment or placement. Usually, the student must pay for the review, although some employers will absorb the costs. Some units on campus, where students are frequently placed in situations requiring a review, may have standard information or practices regarding the procedure. However, the University has no responsibility to involve itself in this process. Students should check the administrative office in their own unit for any discipline-specific information.
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. Boug, BA (Laur), MBA, PhD (U of Toronto), Professor
Ralph W. Huenemann, BA (Laur), MBA, PhD (Harvard), Professor Emeritus
Ignace Ng, BA, MA, PhD (SFU), Professor
Craig Pinder, BA (UBC), MA (Minnesota), PhD (Cornell), Professor
Roger N. Wolff, BSc, MBA (Alta), DBA (Indiana), Professor
Mark Colgate, BSc, PhD (U of Ulster), Associate Professor, Champion Hospitality Services
Management Program, Associate Dean
Timothy Craig, BA (Wabash Col), MA (Indiana), MIM (AGSIM), PhD (U of Washington), Associate Professor
A.R. Elangovan, 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, MBA (Seoul), MBA (Bowling Green St), PhD (Oregon), Associate Professor
J. Brock Smith, BCom (Brit Col), 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, BEcon (People’s U of China), MBA, PhD (Concordia), Associate Professor
Jen Baggs, BA (U of Alberta), MA, PhD (UBC), Assistant Professor
Michael J. Fern, BS (U of Oregon), PhD (U of North Carolina), 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 Unive), MA (South Carolina), PhD (Colorado), Assistant Professor
Anthony Goerzen, BBA (Wilfried Laurier), PhD (W Ont), Associate Professor, Director of Graduate Programs
Linda Hui Shi, BFinance (Zhongshan U), PhD (Michigan State U), Assistant Professor

Christopher Graham, BA (Queens), 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), PhD (Cornell), Adjunct Professor (2005-2008)
Mansour Javidan, BSc (Shari’at U), MBA, PhD (U of Minn), Adjunct Professor (2005-2008)
John Kyle, BA (UBC), MBA (W. Ont), PhD (U of South Hampton), Adjunct Professor (2006-2009)
Vic Lotto, BA (Political Science), Management Training Program (Diploma), Foreign Service Officer (Retired), Adjunct Professor (2003-2006)
Richard Mimick, BSBA (Creighton U), MBA (U of Nebraska), Adjunct Professor (2003-2006)
Martin Murenbeeld, BSc, MSc (Alta), PhD (U of California), Adjunct Professor (2003-2006)
Don Bowneatt, BCom (Saskatchewan), MA, PhD (Princeton), Professor (1999-2009)
Kenneth Wm. Thornicroft, 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
A.R. Elangovan, BCom (Madras), MBA (St Mary’s), PhD (U of Toronto), Associate Professor, Director of International Programs
Christopher Graham, BA (Queens), MBA (Western Ontario), CGA, Senior Instructor, Champion of Management
Saul Klein, BA (Hebrew U of Jerusalem), MBA, PhD (U of Toronto), Associate Professor, Lansdowne Professor, Champion International Business Program
Norah McRae, BA, MBA (Alberta), Manager, Business Co-op and Career Centre

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 specialization in one of the following areas: International Business, Entrepreneurship or Services Management (Hospitality/Services Management core). The opportunity to pursue a degree in Management without a specialization in any particular area is also available.

The Bachelor of Commerce program normally consists of four academic terms and three cooperative 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 30.0 units of Pre-Commerce course 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 81 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 88 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 199.

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, EN1 or IB courses. Students must declare the Minor with the advising centre of their originating faculty. Permission to register in courses and related prerequisites will be considered on a case-by-case basis and is at the discretion of the Faculty of Business.

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: ipoffice@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 240 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 apply to the Faculty of Business. 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.

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 should apply 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 50 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 prerequisites for the required courses.

Co-op Work Term Requirements for Admission

The Faculty of Business requires that students complete three co-op work terms to meet to the Bachelor of Commerce program requirements.
**Pre-Commerce Courses Including Required Courses**

| Economics: 1.5 units | ECON 103 (Introductory Microeconomics): 1.5 units  
Math 12 is a prerequisite to the above mentioned course |
|----------------------|--------------------------------------------------|
| English: 3 units     | Applicants must have satisfied the Undergraduate English Requirement.  
Two of ENGL 115, 125, 135, 145 (or other approved English courses including ENGL 100 level, WRIT 102, or equivalent). |
| Math: 1.5 units      | MATH 151 (1.5 units) and STAT 252 (1.5 units) OR  
ECON 245 (1.5 units) and ECON 246 (1.5 units) OR  
STAT 255 (1.5 units) and STAT 256 (1.5 units) OR equivalents. |
| Statistics: 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 3.0 units of courses in the Math and Statistics area. The following are acceptable:  
One course in Business Statistics (1.5 units), and one other Math course (1.5 units) which may not include Pre-Calculus, Pre-Calculus Math or Pre-Calculus Algebra, or Math for Elementary Education. Acceptable topics for other Math courses include Linear Algebra, Business Math, Math for Economics, among others. A minimum transfer credit of 100-level Math must be awarded for the other Math courses.  
Students who select the ECON 245 and ECON 246 or the STAT 255 and STAT 256 combinations can satisfy both the statistics requirements (1.5 units) and the other math requirement (1.5 units).  
Decisions regarding the appropriateness of Math and Statistics courses are at the discretion of the Faculty. |
| Courses in other disciplines to make up 30 units of Pre-Commerce work | Non-Business courses in other disciplines to make up 30 units of Pre-Commerce course work (maximum of 4.5 units of Commerce course work). COM 220, 240, 250, 270 May not be used as Pre-Commerce course work.  
Students may wish to consider including courses in languages, other cultures and other political or economic systems. |
| Notes about Language Requirement | Students who intend to specialize in the International Business specializations are required to complete a minimum of 3.0 units of a foreign language as part of their Pre-Commerce course work. Students who intend to apply to participate in an academic exchange through the INTEX program, please see description regarding language requirements under the INTEX entry.  
In addition to the above, highly recommended courses include:  
ECON 205: Managerial Economics  
ENGL 225: Technical Communications: Written and Verbal  
MATH 102: Calculus For Students in the Social and Biological Sciences  
PE 142: Human Wellness and Potential  
PHIL 201: Applied Logic I  
PHIL 330: Professional and Business Ethics  
SOCI 100: Introduction to Sociology  
THEA 122: The Acting Experience  
THEA 15b: Public Speaking  
Applicants will need to have completed (or be able to challenge) one co-op work term before entering the program or complete a third co-op term during the program. For details, please see "Co-op Work Term Requirements for Admission". |
| One Co-op work term | Students who wish to be considered for pre-admission must have a minimum GPA of 80% on required high school courses. Meeting the minimum GPA requirement does not guarantee admission to the BCom program.  
Students are required to submit the following documents:  
• University Application for Admission  
• 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 80% GPA  
• Letter of Recommendation - principal or vice-principal or designate  
**Conditions:**  
• Students must meet UVic admission 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 Grade 12 university or university/college courses (U/M) including English, or 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 2 of the required courses 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 Application for Admission (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

Academic Evaluation or Transcript: Applications will be assessed on the most recent 15 units of course work. As well, students must have completed at least 3 of the required courses by the application deadline. Admission is based on quantitative and qualitative considerations. All applicants must complete 30 units of Pre-Commerce course work, including all required courses, by the end of the Winter Session prior to commencement of the BCom program.

BCI Entry Program (International Visa Students)
The Faculty of Business recognizes the unique needs of international students and offers many services and program enhancements to address those needs. The BCI program facilitates the entry and integration of international/visa students to the Bachelor of Commerce (BCom) program by allowing international visa students to directly enter the Faculty after completing 15 units of course work. These international students are required to complete the remaining 15 units of their Pre-Commerce course work at UVic prior to commencing the BCom program core courses in September of the following year. Therefore, all international students are required to complete 30 units of Pre-Commerce course work before starting the program core.

International students may apply for admission in September (application deadline February 28, documentation deadline March 15) and January (application deadline August 31; documentation deadline September 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

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)
• 3.0 units of English (100 level or above) (see table on page 50)
• 3.0 units of Mathematics and Statistics (see table on page 50)
• 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-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

Applicants from two-year Hospitality Management/Hotel and Restaurant Administration diploma programs may be eligible for entry to the BCom program if they meet the following criteria:
1. The diploma is completed with a minimum B (5.0) average, as determined by Undergraduate Admissions and Records. The average as calculated by Undergraduate Admissions is a cumulative GPA, which includes all course attempts.
2. Except for pre-admitted students, the diploma is granted by August 31 of the year for which the student is applying for admission. Final official documentation will be required.
3. The diploma is awarded by a college that offers the BC Provincial Hospitality Management Diploma Program, or its equivalent.
4. Completion of a microeconomics course (equivalent to UVic ECON 103) and an acceptable statistics course (equivalent to STAT 252).
5. Completion of the Undergraduate English Requirement, page 29.

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
• Selkirk College
• Thompson Rivers University
• Vancouver Community College

Alberta and other Institutions
• Southern Alberta Institute of Technology (Calgary)

Students who have completed two or three years of recognized Hospitality diploma programs may also be eligible. Please contact the Faculty of Business for eligibility information on other programs.

Admission Criteria for Graduates of Hospitality Management Programs
Admission decisions for the Bachelor of Commerce program will be made based on the GPA achieved in the diploma program (60% weight)
and on an evaluation of the applicant’s application and experience form (40% 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 15-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 60% 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 GPA 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 40% 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 reregistration forms for returning students are available at the Undergraduate Admissions and Records website: <registrar.uvic.ca/undergrad>

Current and returning UVic students must submit:

1. 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

The BCom Application and Experience Form may also be returned directly to the Business Student Services Office.

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

The BCom Application and Experience Form may also be returned directly to the Business Student Services Office.

Admission Decisions for Entry in September

Students who are admitted to the BCom program will receive written information regarding registration in appropriate course work for the following academic year.

Faculty Academic Regulations

Student Responsibility

Students are responsible for ensuring that their courses have been chosen in conformity with the requirements of the BCom program. The Faculty of Business and the Business Co-operative Education (Co-op) Program will consider the sessional address given to UVic Records Services as the proper contact address.

Students are directed to Co-operative Education Programs General Regulations on page 45 of the Calendar to review the guiding principles of the University’s Co-operative Education Programs. Students are advised to review the University of Victoria academic regulations starting on page 31 of the Calendar.

The faculty, students and staff of the Faculty of Business work together to promote professionalism and integrity. These are attributes that prepare our students for real leadership roles and create an environment of professionalism in the Faculty. The Faculty has developed two documents: a general guide, Principles of Professional Behaviour, and a more detailed guide, Standards for Professional Behaviour. All students are subject to the provisions of these documents. Copies are available from the Business Student Services Office (BEC 283).

Course Registration

Students are admitted to the BCom program, not to particular areas of specialization. Space may be limited in specific areas of specialization outside the Commerce core. Students will be required to declare their specialization by the end of the first academic term 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 who withdraw from or receive a failing grade of F in a course listed within the Commerce core or a course required for their chosen specialization must repeat that course during the next academic term in which it is offered. Students who receive a failing grade of F in a course listed within the Commerce core or a course required for their chosen specialization must repeat that course during the next academic term in which it is offered.
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 grade of D. A passing grade obtained on a 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 reduction period in each term to avoid being assessed unnecessary tuition fees.

The Faculty of Business reserves the right to establish its own criteria for priority registration in courses and sections.

Course Challenges

The Faculty of Business does not accept course challenges.

Review of Academic Performance

Students who have failed a work term required in the mandatory Business Co-op program, or have a GPA below 3.0 in any academic 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 available on-line. Students are advised to consult the on-line exam schedules before making arrangements for their personal schedules. It is the responsibility of all students to be present for the exam period for both midterms and finals. The Faculty of Business is not responsible for conflicts between the final exam schedule and personal schedules of students. Requests to write an exam on a day other than the date designated by the official exam schedule will not be entered.

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 to re-admit any student who has withdrawn.

Leave of Absence

Students must apply in writing to their academic adviser for a leave of absence. Unless given written permission by the Faculty of Business to take a leave of absence, students who do not 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 Undergraduate English Requirement, page 29
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 315 (1.5) Financial Accounting
- COM 316 (1.5) Management Accounting
- COM 321 (1.5) Organizational Behaviour and Design
- COM 322 (1.5) Management of Employee Relations
- COM 331 (1.5) Management Information Systems
- COM 341 (1.5) Operations Management
- COM 351 (1.5) Marketing Principles and Management
- COM 361 (1.5) International Business
- COM 362 (1.5) Decision Making for Responsible and Sustainable Global Business
- 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 normally be taken in the final academic term. COM 402 can be taken at any point during fourth year, usually in the elective term.

Specializations

There are four specializations:
- International Business Management
- Entrepreneurship
- Hospitality and Services Management
- Management

International Business

Within their pre-Commerce course work, students interested in specializing in International Business must complete a minimum of 3 units of a foreign language, or demonstrate equivalent competence.

The International Business specialization requires that students have direct international experience outside North America. This requirement may be satisfied by participating in the international exchange program or in an international work study (IB 418) in the Fall term (at an additional cost). The requirement will be waived for international students and those who have completed at least one year of high school or university studies in a country in which English is not the primary language.

International Business is a three-course specialization.

IB 415 (1.5) Cross-national Management
IB 416 (1.5) International Marketing
IB 417 (1.5) International Finance

Entrepreneurship

The submission of a Professional Portfolio, prior to beginning the Entrepreneurship specialization 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 specialization, including COM 400.

ENT 410 (1.5) Venture Marketing Expertise
ENT 411 (1.5) Venture Planning/Finance Expertise
ENT 412 (1.5) Acquiring Expert Venture Cognitions
ENT 413 (1.5) Portfolio Practicum
PLUS
COM 400 (1.5) Strategic Management

Hospitality and Services Management

Hospitality and Services Management is a three-course specialization.

HSM 415 (1.5) Hospitality/Service Marketing
HSM 416 (1.5) Hospitality/Service Operations and Quality Management
HSM 417 (1.5) Hospitality/Service Human Resource management

Management

Students may elect to complete a program in Management.

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

Open Commerce Electives

Please note that in addition to the 18 units of core courses and the required courses within the chosen specialization (4.5-6.0 units), students are required to complete an additional 6.0-7.5 units of open Commerce electives (prerequisites/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 specialization, to spend approximately four months studying at an overseas institution and receive full course credits for one term. Normally, studies overseas are conducted in the English language; however, some exceptions do apply. Participation in INTEX is equivalent to 7.5 units:

- COM 460 (1.5)
- COM 480 (2 x 1.5)
- COM 499 (1.5)

and normally

- COM 470 (1.5)

INTEX Requirements

To be eligible for international academic placements, students must meet the following requirements:
1. Completion of 300-level program core.
2. A minimum GPA of 4.0 in all academic terms following admission to the Faculty of Business.
3. 3.0 units of a foreign language are strongly recommended. Note that students who have completed the language requirement will have priority in exchange placements.
4. Evidence the student has actively participated in international activities and events.
5. Permission of the Manager, International Programs.

Contact the International Programs Office for more details.

Business Minor Program

Students following a Minor program in Business must complete the Business Minor core, consisting of:
- COM 220
- COM 240
- COM 250
- COM 270

with a minimum grade of C+ in each course, plus at least 3 units of 300- or 400-level COM, ENT or IB courses.

Required courses at the 200-level or higher in the Business Minor Program cannot form part of the requirements towards other programs or options.

Business Co-op Program

The University regulations with respect to Co-operative Education Programs (see page 45) are applicable to the Faculty of Business Co-op Program except to the extent that they are modified by regulations adopted by the Faculty of Business.

Admission to the Business Co-op Program

Co-operative education is mandatory in the Bachelor of Commerce program and forms an integral part of the academic requirements of the BCom degree. As such, admission to the Bachelor of Commerce program automatically results in admission to the Business Co-op Program.

Business Co-op General Regulations

The following regulations apply to the Business Co-op program. General regulations found in the Co-operative Education Program section of the Calendar also apply to the Business Co-op program. Where the Faculty of Business regulations differ from those of the Co-operative Education Program, Faculty of Business regulations will apply.
Co-operative Education work terms are 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 Business Co-op Director, Undergraduate Programs, a request to register in a maximum of 1.5 units of university level course credit. If a student is on probation then no units of credit will be allowed during the work term. Students are reminded of their responsibility to maintain the minimum academic performance required by the Faculty of Business (see Review of Academic Performance, page 53). Students with a GPA below 3.0 in an academic term will not be eligible to participate in the next scheduled co-op work term.

Students should not expect to complete all their work terms in the summer months, nor should they expect to complete their BCom program on a work term or series of work terms. In certain cases, 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 a co-op term will be made at the discretion of the Faculty of Business.

Students must sign a current Terms and Conditions document as provided by the Business Co-op Program in order to be eligible to participate in the placement process.

The Co-op Preparation Course is a mandatory requirement for business students. This program is a co-requisite for students participating in the placement process prior to their first work term. 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 as outlined in the Co-operative Education Program section, page 46. Students may not withdraw from a placement without approval from a Coordinator. Failure to obtain permission will result in the student receiving a grade of 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, page 42.

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 affliction. A grade of COM, F, or N will be assigned to students at the completion of each work term. Students who are assigned a grade of F or N for a work term that carries 2.0 units will have a 0 grade point assigned for that work term and this grade point will be used in the calculation of both the sessional and cumulative grade point averages; it may also affect the student’s academic standing (e.g., academic probation or requirement to withdraw from the University or Faculty—see calendar “Minimum Sessional Grade Point Average and Academic Standing”). Students who fail a work term or who have not completed a work term by the end of four academic terms may be required to withdraw from the Faculty and/or the University.
Studies in Education lead students toward an understanding of the nature of knowledge, its interpretations and how it is shared. Through individual and group work, instruction, and supervised experiences in the field, students in the Faculty develop their professional knowledge and skills as well as their ability to share their knowledge and experience. In this way, students learn how to be leaders not only in the classroom but in the community as well. Students in the Faculty may pursue bachelor programs in elementary or secondary education, kinesiology or recreation and health education. The Faculty also offers graduate programs at the master's and doctoral levels.
Faculty Members

Theodore (Ted) J. Riecken, B.A., M.Ed. (U. Sask), EdD (UBC), Dean of the Faculty
Yvonne M. 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

Larry D. Tore, BS, MA, PhD (Minn), University of Victoria Distinguished Professor and Chair of the Department
Deborah L. Begoray, BA (Alta), MA (Calgary), PhD (UBC), Professor
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
Margie I. Mayfield, BA (Macleaster Coll), MA, PhD (Minn), Professor
Wolf-Michael Roth, MSc, (Germ), PhD (Mississippi), Professor and Lansdowne Chair
Robert J. Anthony, BA, MA, PhD (Tor), Associate Professor
Laurie R. Baxter, BA, MEd, (West Was h St), PhD, (Ohio St), Associate Professor
Donald L. Bergland, BA, MA, EdD (Brit Col), Associate Professor
David W. Blades, BEd, MEd (UVic), PhD (Alberta), Associate Professor
Robert C. Dalton, BA (Calg), MFA (Wash), PhD (Ohio St), Associate Professor
Leslee G. Francis-Pelton, BSc, MA, PhD (BYU), Associate Professor
Wanda J. Hurren, BEd, MEd (Sask), PhD (UBC), Associate Professor
Gerald N. King, BMus (Brit Col), MMus (MMus), Edd (BYU), Associate Professor
Carole J. Miller, BEd, MEd, MSc, PhD (Brigham)
Carole J. Miller, BEd, MEd, MSc, PhD (Brigham), Associate Professor

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY AND LEADERSHIP STUDIES

John A. Anderson, BSc, BEd, MEd (Man), PhD (Alta), Professor
Daniel G. Barch, BEd, MSc (Calg), PhD (Tor), Professor
M. Honoré France, BSc (Tenn), MEd, EdD (Mass), Professor
Brian Harvey, BA (Bran), MA, PhD (Ohio St), Professor
Yvonne M. Martin-Newcombe, BA, DipEd (W Indies), MA, (McGill), Professor
Vernon J. Storey, BEd, MEd, EdD (Brit Col), Professor
Wanda A. R. Boyer, BEd (Calg), MEd, PhD (S. Mississippi), Associate Professor
E. Anne Marshall, BA (Bishop's), MA, PhD (OSIE), RPsych, Associate Professor
J. Jillian Roberts, BA (Waterloo), BEd (Dalhousie), MEd (OSIE), PhD (Calgary), RPsych, Associate Professor
W. John O. Anderson, BSc, BA (York), MEd, PhD (Calgary), Assistant Professor
Mary A. Anderson, BSc, BA (York), MEd, PhD (Calgary), Assistant Professor
John A. Anderson, BSc, BA (York), MEd, PhD (Calgary), Assistant Professor
Timothy G. Black, BA (Ottawa), MA, PhD (Ottawa), Assistant Professor
Darlene Clover, BA (Tor), MEd (York), PhD (OSIE), Assistant Professor
Allison Frank, BEd (Simon Fraser), MEd, EdD, BA (Queens'), Assistant Professor
Gina Harrison, BA, MA, PhD (Brit Col), Assistant Professor
Joan M. Martin, BA (Northwest Nazarene), MA, PhD (Notre Dame), Assistant Professor
Catherine McGregor, BEd, (UVic); MEd (Simon Fraser); PhD (Simon Fraser), Assistant Professor
Blythe C. Shepard, BA (Waterloo), MA, PhD (UVic), Assistant Professor
David deRosenroll, BA, MA, PhD (UVic), Assistant Professor, Limited Term

2007-08 UVIC CALENDAR

Judith Halbert, BA, (W. Ontario), MEd (UBC), PhD (NSU) Assistant Professor, Limited Term
Linda Kaser, BA, MEd (UBC), PhD (NSU) Assistant Professor, Limited Term

Emeritus

Carol E. Harris, BA (Acadia), MEd (MUN), PhD (Tor), Professor Emeritus
Lily L. Dyson, BA (Taiwan), MEd (Kans), MA (Kans), PhD (Washington), Professor Emeritus
Geoffrey G. Hett, BEd (UVic), MS (Oregon), PhD (Oregon), Associate Professor Emeritus
Peter Murphy, BA (York), BEd, MEd (Man), PhD (Alta), Professor Emeritus
Walter Mair, BEd (Alta), MEd (Alta), PhD (Alta), Professor Emeritus
Max R. Uhlemann, BS, MS, PhD (Colo St), RPsych, Professor Emeritus

Visiting, Adjunct and Cross-listed Appointments

John E. Anderson, BA (Western Ontario), MD (McMaster), Associate Professor, Limited Term
Ian J. Cameron, BEd (BC), MEd (UVic), EdD (BC), Adjunct Assistant Professor
John Durkin, BSc (Tor), MA, PhD (UVic), Adjunct Assistant Professor
Bruce Monkhouse, BA (Alta), MA (Alta), PhD (Alta), Adjunct Assistant Professor
Mary Nixon, BA (London), BEd, MEd, PhD (Alta), Adjunct Assistant Professor
Nancy C. Reeves, BA (BC), MA (BC), PhD (Alta), Adjunct Assistant Professor
Jo-Anne Stoltz, BA, MA, PhD (UVic), 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 Docherty, BS, MS, PhD (Ore), Professor
Geraldine H. Van Gyn, BA (W O nt), MSc, PhD (Alta), Professor
Howard A. Wengert, BPE, MPE (Brit Col), PhD (Alta), Professor
Frederick I. Bell, BA, BEd (Sask), MEd (Alta), EdD (N Car), Associate Professor
Catherine A. Gaul, BEd (New Br), MSc (S Fraser), PhD (UVic), Associate Professor and Course Director, Fdns of Medicine, Island Medical Program
Sandra L. Gibbons, BEd (Alta), MSc (Wash St), PhD (Ore), Associate Professor
Ryan E. Rhodes, BA, MA (UBC), PhD (Alta), Associate Professor and Michael Smith Research Scholar
Vivienne A. Temple, BEd (Victoria Coll-Rusden), PhD (RMIT), Associate Professor
S. Joan Wharf Higgins, BA, MA (UVic), PhD (UBC), Associate Professor and Canada Research Chair
E. Paul Zehr, BPE, MSc (McMaster), PhD (Alta), Assistant Professor and Michael Smith Research Scholar
Timothy F. Hopper, BA (Exeter), MA, PhD (Alta), Assistant Professor
**1.0 General Information**

### 1.1 Undergraduate Degree Programs

#### Bachelor of Education (Elementary Curriculum) Degree

This is a five-year program in elementary teacher preparation leading to a degree in Education and to teacher certification for classroom generalists. Prior to entry into the Faculty of Education, students must complete two years of approved university-level course work and then apply to the Faculty of Education for Year Three.

#### Bachelor of Education (Secondary Curriculum) Degree

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.

### 1.2 Post-Degree Programs

#### Bachelor of Education (Post-Degree Professional Program - Elementary)

This is a two year post-degree professional program for university graduates who wish to become elementary school classroom teachers. An option is available to take this program over 16 months. Completion of the program qualifies candidates for teacher certification and a degree in Education.

#### Bachelor of Education (Post-Degree Professional Program - Secondary)

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.

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**Faculty of Education Programs**

<table>
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<tr>
<th>Degree Programs</th>
<th>Post-Degree Programs</th>
<th>Diploma and Certificate Programs</th>
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<tr>
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<td>Bachelor of Education (Post-Degree Professional Program - Elementary)</td>
<td>Diploma in Teacher-Librarianship</td>
</tr>
<tr>
<td>Bachelor of Education (Secondary Curriculum)</td>
<td>Bachelor of Education (Post-Degree Professional Program - Secondary)</td>
<td>Certificate in Kodály Methodology</td>
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<tr>
<td>Bachelor of Arts (Recreation and Health Education)</td>
<td></td>
<td>Diploma in Career and Personal Planning</td>
</tr>
<tr>
<td>Bachelor of Science (Kinesiology)</td>
<td></td>
<td>Diploma in Educational Technology</td>
</tr>
</tbody>
</table>

NB: All degree programs are subject to quota.
1.3 DIPLOMAS AND CERTIFICATES
Diploma in Teacher-Librarianship
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
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
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
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 Departmental Graduate Advisers. Students seeking teacher certification should refer to the descriptions of the post-degree professional programs (elementary, page 65) and (secondary, page 70).

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 225. Faculty regulations concerning courses are presented on page 60.

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 fluency in English 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.

5.1 GENERAL FACULTY ADMISSION REQUIREMENTS
The specific admission requirements for individual programs are given under each program’s description.

5.1.1 Aboriginal Admissions
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 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

2007-08 UVIC CALENDAR
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 5.3)
*This requirement will be waived for certified 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 from Aboriginal people. 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.

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 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

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.

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 25.

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.
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 61.

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
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, page 61. 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 ME 307, 309A, 309B, 409, and the following performance-oriented courses: ME 318, 418, 420, 421, 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 Undergraduate Records. See page 38 for the minimum sessional Grade Point Average regulations that apply to all UVic students. See also Faculty of Education minimum sessional Grade Point Average regulations, below.

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 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 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 38).

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 4.0 level or better. Students who fail to obtain a sessional GPA of at least 4.0 in the probatory 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 be required to withdraw from the Faculty. If the GPA is less than 2.0, further sanctions will be imposed by the University (see page 38).

In addition to the general Faculty requirements above, co-operative Education students in Kinesiology or Recreation and Health Education who do not obtain a sessional GPA of at least 3.5 will have their academic performance reviewed by the Faculty and may be placed on Faculty probation or required to withdraw.

**Probation.** Students registered in fewer than 4.5 units and whose sessional GPA is less than 3.0 but whose cumulative GPA is above 3.0 will be allowed to remain in the Faculty of Education but will be placed on Faculty probation for the next session attended. Students must obtain a GPA of 3.0 in all sessions attended while on probation and will only be reinstated when they have accumulated a minimum of 6 units at the 3.0 level or better. Students who fail to obtain a sessional GPA of at least 3.0 in the probationary session(s) will be required to withdraw from the Faculty of Education.

**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. 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 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 fulfil 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 Faculty Appeals and Adjudication Committee (FAAC). 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 FAAC shall give the student an opportunity to be heard. Before the hearing, the student shall be fully informed of the case against him/her, of the date, time and place of the meeting, and that they may wish to consult the UVSS Ombudsperson. The FAAC, having heard from the student, shall then make the decision in a fair and unbiased manner. It may do any of the following:

- Approve the recommendation for withdrawal
- Cancel the recommendation
- Refer the matter back to the Director of Teacher Education programs.

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 Dean Teacher Education may forward the recommendation to the Dean. A student who receives an unfavourable decision from the FAAC 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 (practicums 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 Practica 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's teacher education programs are responsible for understanding the provisions of the BC School Act. Students in the teacher education programs who are placed in schools for teaching practica are required to observe the Faculty of Education's Code of Professional Conduct as well as the BCTF Code of Ethics. A student may be required to withdraw from a practicum at any stage of the experience for violation of any part of these Codes or upon a written order from the School Principal or the Board of School Trustees of the district in which the student is placed.

Teachers or administrators who refuse a student's continued participation in a practicum for
Candiates 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.

The designation of “With Distinction” will be granted to the top 20% of students graduating from an Undergraduate Faculty of Education Programme who have a GPA meeting or exceeding 6.5. In the event that the top 20% in a programme represents a fractional number, the number shall be rounded up to the nearest whole number.

6.7 Appeals

The first level of appeal, including appeals concerning grades, is normally the instructor of the course. The second level is the Director or Chairperson of the academic unit concerned. Students who wish to appeal 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). Appeals of the Program Director’s decision are taken to the FAAC; appeals of the FAAC 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 ED-P 200, 250, 251, 300A, 300B, 350, 351, 360, 361, 400A, 400B, 400D, 400C, 451, 461, 700 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 practica 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 will begin the ED-P 251 and 300 or 351 or 361 practica after they have written final examinations in April. Students should plan to be in schools until the end of May.

Students admitted to the five-year Elementary Professional Degree Program take ED-P 200 or 251, ED-P 300A or 351, and ED-P 400A or 400D or 451.

Students admitted to the 16-month Elementary Post-Degree Professional Degree Program take ED-P 300B or 361, and ED-P 400B or 461.

7.1.2 Secondary Programs

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

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

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

ED-P 798 – Bachelor of Education (Secondary Curriculum) and Post Degree Professional Program Regular Option, Middle School 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-P 798 – 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.

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 Undergraduate Records 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 Undergraduate Records, the Education Advising Centre or the School Experience Office.

8.0 Bachelor of Education (Elementary Curriculum)

8.1 PROGRAM ADMISSION
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>.

8.1.1 Admission Requirements
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 65)
d) demonstrated competency in written English (see page 60)
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 Undergraduate Admissions or Records 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> 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 as 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 Academic 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 60). Those whose studies commenced more than 10 years ago are also referred to Limitations of Credit for Certified Teachers, page 60. Applications must be made in the normal manner to UVic Undergraduate Admissions, as detailed on page 23.

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 practica 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 ED-P 200, or 250 and 251.

8.2.2 Program Formats

a) BEd Professional Degree Program
Students admitted to this program in 2004, 2005, and 2006 will follow this program format.

(At UVic or another recognized post-secondary institution)
Two of ENGL 115 or 135, ENGL 125, 145 (or other approved English) ......................3.0
Approved Canadian Studies (HIST 130 or other approved course) ......................3.0
MAT 100A and 100B (or other approved mathematics) ..............................................3.0
Approved Laboratory Science.................................................................3.0
Approved Electives.................................................................7.5
Approved Academic Electives(s).................................................................3.0
Approved Senior Academic Electives(s).........................................................7.5
Total .................................................................30.0

Year Three

ED-P 200 (School Experience) ......................1.0
ED-D 301 (Leaders and Learning Environments) ..............................................1.5
EDCI 302 (Literacy and Language in the Elementary School) ......................1.5
EDCI 303 (Historical and Philosophical Foundations of Canadian Education) ..............1.5
PE 304 (Physical Education for General Classroom Teachers) ......................2.0
EDCI 306 (Music in the Elementary Classroom) ..............................................2.0
Approved Senior Academic Electives (300 or 400 level) ................................7.5
Total .................................................................17.0

Year Four

EDCI 402 (Reading: Instructional Principles and Strategies) ......................1.5
EDCI 403 (Curriculum and Instruction in Elementary Science) ......................1.5
EDCI 404 (Curriculum and Instruction in Elementary Social Studies) ......................1.5
EDCI 405 (Curriculum and Instruction in Elementary Mathematics) ......................1.5
EDCI 406 (Instructional Technology) .................................................................1.0
EDCI 305 (Drama Education: A Medium for Learning) .........................................2.0
EDCI 307 (Art in the Elementary Classroom) ..........................................................2.0
ED-D 420 (Learning Support: Context and Key Issues) ......................................1.0
EDCI 450 (Community, Culture and Environment) ..............................................1.0
EDCI 460 (Contemporary Literacies and Creative Expression) ......................1.0
ED-P 300A (School Experience) .................................................................2.5
Total .................................................................16.5

Year Five

ED-D 407 (Evaluating and Reporting Student Progress) ..................................0.5
**FACULTY OF EDUCATION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>EDCI 466 (1.5)</td>
<td>Scientific and Technological Literacy</td>
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<td>EDCI 469 (1.5)</td>
<td>Teaching Oral French</td>
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<tr>
<td>EDCI 4057 (1.5)</td>
<td>Curriculum and Instruction in Elementary Mathematics</td>
</tr>
<tr>
<td>EDCI 457 (1.5)</td>
<td>English as a Second Language OR EDCI 469 Teaching Oral French</td>
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**Year Five**

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<tr>
<td>EDCI 410 Teacher as Leader: The Professional Role</td>
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<tr>
<td>EDCI 451 Eight-Week Elementary Practicum</td>
<td>3.0</td>
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<tr>
<td>EDCI 490 Professional Development Inquiry Project</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>12.0</strong></td>
</tr>
</tbody>
</table>

Eligible for PROFESSIONAL CERTIFICATE

**Total Units for Degree** ...............75.0

**Notes:**
1. Consult an Academic Adviser if you have completed English, Canadian studies or Mathematics courses other than those listed above.
2. Mathematics and Laboratory Science courses completed more than ten years old are not normally accepted.
3. A C+ average is required to demonstrate competency in Mathematics.
4. Choose from ASTR 120, BIOL 150C, BIOL 190A, BIOL 190B, EOS 110, EOS 120 and PHYS 102. EOS 120 is recommended. Other science courses, with an average of at least 1/2 lab hours each week, may also be accepted. Consult an Academic Adviser. Geography and Human anatomy or physiology courses are not accepted. Take 3.0 units of biology or earth and ocean sciences if you would like to take "senior" biology or earth and ocean sciences in year two.
5. This course work must be related to subjects taught in BC schools. For example: ANTH 100 or 200* or FREN (175 or 185) or BIOL 190B, EOS 110, EOS 120 and PHYS 102. EOS 120 is recommended. Other science courses, with an average of at least 1/2 lab hours each week, may also be accepted. Consult an Academic Adviser. Geography and Human anatomy or physiology courses are not accepted. Take 3.0 units of biology or earth and ocean sciences if you would like to take "senior" biology or earth and ocean sciences in year two.
6. EDCI 371/I S 371 and EDCI 372/I S 372 are examples of acceptable courses.
7. This 200, 300 or 400-level course must be related to subjects taught in BC schools. The courses taken in year one will determine what can be taken in year two as "senior". Read about this requirement on the Faculty of Education web site at www.educ.uvic.ca or consult an Academic Adviser before selecting "senior" courses.

c) BED Professional Degree Program - Aboriginal Language & Culture

This option is currently only available to students preparing to qualify for the B.C. College of Teachers Developmental Standard Term Certificate in teaching Aboriginal Language and Culture in BC public schools.

This program is delivered in a variety of off-campus locations and may be taken on a part-time basis.

**YEAR ONE**

Two of English (115 or 135), 125 or 145 (or other approved English) ..........................3.0
<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>EDCI 302 (1.5)</td>
<td>Literacy &amp; Language in the Elementary School</td>
</tr>
<tr>
<td>EDCI 420 (3.0)</td>
<td>School Experience Seminar &amp; 3-Week Practicum OR EDCI 420 (School Experience) and 251 (Practicum)</td>
</tr>
<tr>
<td>LING 159 (First Nations Language I)</td>
<td>1.5</td>
</tr>
<tr>
<td>LING 159 (First Nations Language I)</td>
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<tr>
<td>LING 359 (First Nations Language III)</td>
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</table>
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>.

9.1.1 Admission Requirements

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

a) admissibility to the university

b) a degree from an accredited university

c) 3.0 units of approved English

d) demonstrated competency in written English

e) 3.0 units of approved Canadian Studies

f) 3.0 units of approved mathematics with a minimum Grade Point Average of 3.0 (C+)2

g) 3.0 units of approved laboratory science3

h) 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.

i) submission of application and transcripts, including courses in progress, to Undergraduate Admissions and Records no later than January 31.

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, but final acceptance may not be until late June. An application package is available online at <www.educ.uvic.ca> by mid-October. The application(s), applicable application fees and all supporting documents must be received at 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.

2007-08 UVIC CALENDAR

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 with an average of one and a half hour of lab time each week 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 ED-P 300B or 361. 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 62.
9.2.2 Program Formats

a) BEd Post-Degree Professional Program

This program is designed to be taken over 16 consecutive months, commencing September 2006 and concluding December 2007.

Winter Session: September-April
ED-D 301 (Leaders and Learning Environments) ............................................. 1.5
EDCI 302 (Literacy and Language in the Elementary School) ............................................. 1.5
EDCI 403 (Curriculum and Instruction in Elementary Science) ............................................. 1.5
EDCI 404 (Curriculum and Instruction in Elementary Social Studies) ............................................. 1.5
EDCI 405 (Curriculum and Instruction in Elementary Mathematics) ............................................. 1.5
EDCI 406 (Instructional Technology) ............................................. 1.0
PE 304 (Physical Education for General Classroom Teachers) ............................................. 2.0
1 of EDCI 305, 306, 307 (Drama, Music or Art Education) ............................................. 2.0
ED-D 420 (Learning Support: Context and Key Issues) ............................................. 1.0
EDCI 450 (Community, Culture and Environment) ............................................. 1.0
EDCI 460 (Contemporary Literacies and Creative Expression) ............................................. 1.0
ED-P 300B (School Experience and Five Week Practicum) ............................................. 2.5
Total ........................................................................ 18.0

Summer Session: June-August
EDCI 402 (Reading: Instructional Principles and Strategies) ............................................. 1.5
EDCI 303 (Historical and Philosophical Foundations of Canadian Education) ............................................. 1.5
ED-D 408 (Promoting Prosocial Behaviour) ............................................. 1.5
ED-D 407 (Evaluating and Reporting Student Progress) ............................................. 0.5
EDCI 457 or EDCI 469 (English as a Second Language or Teaching Oral French) ............................................. 1.5
Total ........................................................................ 6.5

Year Two
(an option is available to take Year Two July - December)
ED-D 407 Evaluating and Reporting Student Progress ............................................. 1.5
ED-D 408 Promoting Prosocial Behaviour ............................................. 1.5
ED-D 410 Teacher as Leader: The Professional Role ............................................. 1.5
ED-D 420 Learning Support: Context and Key Issues ............................................. 1.5
ED-P 461 Eight-Week Elementary Practicum ............................................. 3.0
ED-P 490 Professional Development Inquiry Project ............................................. 1.5
EDCI 402 Reading: Instructional Principles and Strategies ............................................. 1.5
EDCI 404 Curriculum and Instruction in Elementary Social Studies ............................................. 1.5
Total ........................................................................ 13.5

Total Units for Degree: ........................................................................ 30.0
Eligible for CERTIFICATION and DEGREE

b) BEd Post-Degree Professional Program (revised for 2007)

This program is designed to be taken over two academic years beginning in September 2007. An option is available to take the program over sixteen consecutive months.

Year One
ED-D 301 Learners and Learning Environments ............................................. 1.5
ED-P 360 Elementary School Experience Seminar ............................................. 1.5
ED-P 361 Five-Week Elementary Practicum ............................................. 1.5
EDCI 302 Literacy and Language in the Elementary School ............................................. 1.5
EDCI 303 Historical and Philosophical Foundations of Canadian Education ............................................. 1.5

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. applications must be submitted to Undergraduate Admissions and Records no later than January 31
2. admissibility to the university
3. at least 12 units of credit including 3 units of English
4. 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
5. 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. Students transferring from college and universities should complete an Application for Admission form available from Undergraduate Admissions or online at <http://registrar.uvic.ca/undergrad>.

Reregistering UVic students may download, print and complete an Application to the School of Physical Education form available on the School’s website: <www.educ.uvic.ca/phed/selprocs.htm> or obtain a paper 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. New student applications must be sent to Admission Services. Reregistering UVic student applications must be sent to Records Services. 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 Undergraduate Admissions as detailed on page 23. Those whose studies commenced more than 10 years ago are also referred to page 61.

10.3 Professional Year Admission

The requirements for admission to the professional year of the secondary program are:

1. Applications must be submitted to Undergraduate Records no later than December 31.
2. All courses specified for the preprofessional years of the program, with the exception of electives, must be complete. In addition, candidates presenting a second language teaching area must pass an oral competency examination.
3. Successful completion of the Faculty’s written English competency requirement, page 60.
4. The candidate must have obtained either:
   • a Grade Point Average of at least 4.0 (UVic B-) on the upper-level courses of each of the two teaching areas, including prerequisites and corequisites (Note: where fewer than 9 units of upper-level work has been com-
completed in any one area, the Grade Point Average will be calculated on the upper-level courses plus one or more of the 200 level courses in that area, to a total of 9 units); or

- a Grade Point Average of at least 4.0 (UVic B-) on the upper-level courses of any single expanded teaching area (Note: where fewer than 18 units of upper-level work have been completed in the area, the calculation will include area courses at the 200 level to a total of 18 units) and if the area is Music expanded, a Grade Point Average of at least 4.0 is required on the 7.5 units of other area work.

- Students with a teaching area in Art and/or Music should also refer to paragraph two under the heading Program Details, below.

5. A Grade Point Average of at least 3.0 (UVic C+) must have been obtained on:

- the most recently completed session; and

- the most recent two years of at least 30 units

Normally all of the above requirements must be complete by April 30 of the year in which an applicant wishes to begin the professional year. Any applicants unable to meet this deadline who wish to complete course requirements during the summer session must apply to the Director of Teacher Education, indicating why they believe their circumstances to be unusual, and requesting permission to be considered for admission on the basis of the results of their work during the summer period.

Applicants for the professional year should be aware that the Faculty of Education has maximum enrollment limits and that therefore all qualified applicants are not guaranteed acceptance. Applicants will be notified regarding their admittance as soon as possible.

Details regarding start and end dates are available at <www.educ.uvic.ca/SecPrograms>.

10.4 Program Description

This is a five-year program leading to a Bachelor of Education (Secondary Curriculum) degree and professional teacher certification. The program is available only to students accepted into the teaching areas of Art, Music, and Physical Education. Each of these areas has a limited quota and there are specific prerequisites, including an interview, for admission to each. Those who wish to teach other subjects should obtain preparation through an academic program in another faculty and apply for the Post-Degree Professional Program described on page 65.

Art and Music may be taken either as expanded areas or in combination with another approved area. The cases of students who do not maintain a 5.0 Grade Point Average in upper-level Art, Music, Art Education and Music Education courses will be reviewed by the Department of Curriculum and Instruction. Such students may be given a trial period to reach a specified GPA in Art or Music, and, if unsuccessful, be required to withdraw from the teaching area. In addition, due to quotas, students who do not enter professional year in their assigned year, and students required to withdraw, will have to apply for readmission under the admission requirements prevailing at the time of their re-application.

Physical Education must be taken with another approved area.

The course requirements for these areas are shown below.

The first four years of the program are mainly concerned with academic preparation in the teaching subjects, while the fifth year contains additional academic course work and the professional preparation for teaching these subjects in the secondary schools.

Attendance at five Winter Sessions is normally required. It is possible to transfer courses taken from BC regional colleges or elsewhere if they are equivalent to program requirements. Students should obtain advice from the Secondary Adviser to ensure that courses taken will carry credit toward any particular program. Year Five is the professional year in which students spend an extended time in the schools and take courses on campus that are directly related to their professional training. In order to gain admission to the professional year, students must meet the requirements specified above. Normally all courses listed for this year are taken as a co-ordinated program during one full Winter Session. Attendance at all orientation sessions, field activities and classes is expected.

Because of the professional involvement off campus during this year, students are not normally permitted to take courses in addition to those specified. Any exceptions must be approved by the Director of Teacher Education.

Year Five Bachelor of Education students in the secondary professional year (Regular Option) will commence classes in September. The school experience component commences with a two-week directed observation period in October and continues with the opening of the public school in January. During the January period students will be required to attend the student teaching seminar and to observe classes in the assigned school. With the start of the school's second semester, students will begin a 12-week practicum. This practicum will conclude during the first week of May.

The practicum placement is a mandatory part of this program. While some school placements will be in the three local school districts of Greater Victoria, Sooke and Saanich, some candidates will be required to take their practicum in other specified school districts in BC.

Students in the Internship Program Option will commence classes in June and complete program requirements the following June. Students in the Middle School Option will commence classes in July.

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.................21 units

Required Social Science, Science, Humanities and Fine Arts courses ..............6 units

Teaching area(s) courses (including prerequisites and corequisites) ...............37.5 units

Electives .................................................up to 10.5 units

Total .................................................................75 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 an Adviser.

10.6.1 General Program Requirements

- ENGL 115 or 135 and 125 or 145 .............3.0

- ED-D 401 .....................................................1.5

- ED-D 406 .....................................................3.0

- ED-P 429 .....................................................1.5

- Approved academic electives ..............3.0

Total .................................................................12.0

Art

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


Total .................................................................18.0

Option 1 Expanded Art

Approved Art Education .........................7.5

Approved upper-level art or History in Art ......9.0

Electives .......................................................10.5

Total .................................................................27.0

Option 2 Second Teaching Area

Approved second teaching area plus electives ..................................................27.0

Total units ..........................................................60.0

Upper-level visual arts courses may be substituted in the area with the approval of the Art Adviser.

Up to 3 units of additional work may be required if a student's background is considered to be inadequate for teaching art in the public school system.

Not all art education courses can be offered each year. Students may complete courses in a sequence of their own choice since there are no prerequisites. Students should consult with the Art Adviser.

Music (Choral)

Area:

- ME 101 .......................................................1.5

- ME 201 .......................................................1.5

- ME 207 .......................................................1.5

- ME 209A .....................................................1.5

- ME 209B .....................................................1.5

- ME 303A or 308 ........................................1.5

- ME 307 .......................................................1.5
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 241B ........................................................................... 1.5
- PE 245 ........................................................................... 1.5
- PE 246 ........................................................................... 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 60 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 66.

**Corequisite:** 3 units from ENGL 200A, 200B, 200C, 201, 202, 203, 250, HA 120 .................................................. 3.0

**Area:**
- AE 103 ........................................................................... 3.0
- AE 200 ........................................................................... 3.0
- AE 201 ........................................................................... 3.0
- 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:**
- BIOL 200 ..................................................................... 1.5
- BIOL 190A ..................................................................... 1.5
- BIOL 190B ..................................................................... 1.5
- BIOL 215 ..................................................................... 1.5
- BIOL 225 ..................................................................... 1.5
- BIOL 230 ..................................................................... 1.5
- BIOL 365 ..................................................................... 1.5
- BIOL 366 ..................................................................... 1.5
- Approved upper-level biology ......................................... 3.0
- Total .............................................................................. 15.0

It is assumed that all applicants for this area will have completed BIOL 11 and 12; if not, BIOL 150A and B must be taken in addition to the above.

**Chemistry**

**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:**
- One of ED-D 423, EDCI 338, 350, 353A, 353B, ENGL 413, HA 312, WRIT 330* ........................................... 1.5
- Total .................................................................................. 1.5

**Area:**
- EDCI 353A or 353B ......................................................... 1.5
- 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

* or another course approved by the English Language Arts Adviser.
### French

**Area:**
- FREN 175 or 185 ........................................... 1.5
- FREN 195 ...................................................... 1.5
- FREN 220 ...................................................... 1.5
- FREN 286 ...................................................... 1.5
- FREN 287 ...................................................... 1.5
- FREN 288 ...................................................... 1.5
- FREN 302A and 302B ...................................... 3.0
- FREN 350 ...................................................... 1.5

**Approved Senior French**: 3.0

**Total** ...................................................... 15.5

*FREN 372 and higher are approved.
Recommended are FREN 488H and one of FREN 372, 374, 402, 420.

### German

**Corequisite:**
- Literature course at the 200 level or higher in any language other than German ..... 3.0

**Area:**
- GER 100A, 100B, 200, 200 level; or GER 149 ..... 6.0
- GERS 254 ...................................................... 1.5
- GERS 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 (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 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
- 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 66.**

**Area:**
- ME 101 ....................................................... 1.5
- ME 201 ....................................................... 1.5
- ME 216 ....................................................... 2.0
- ME 301 ....................................................... 1.5
- ME 303A or 308 ......................................... 1.5
- ME 401 ....................................................... 1.5
- ME 402 ....................................................... 1.5
- ME 403 ....................................................... 1.5
- MUS 101A, 101B, 170 ................................. 4.0
- MUS 120A and one of 120B, 220A, 220B ....... 3.0
- MUS 356A and 356B ................................... 3.0
- Two of MUS 180, 280, 380, 480; ME 120, 121, 220, 221 ................. 2.0

**Total** ...................................................... 24.5

### Music (Instrumental)

**Restricted admission; see section 10.2, page 66.**

**Area:**
- ME 101 ....................................................... 1.5
- ME 201 ....................................................... 1.5
- ME 216 ....................................................... 2.0
- ME 301 ....................................................... 1.5
- ME 316 ....................................................... 1.0
- ME 401 ....................................................... 1.5
- ME 402 ....................................................... 1.5
- ME 403 ....................................................... 1.5
- MUS 101A, 101B, 170 ................................. 4.0
- Two of MUS 331, 332, 333 ........................ 3.0
- MUS 356A and 356B ................................... 3.0
- Two of MUS 180, 280, 380, 480; ME 120, 121, 220, 221 ................. 2.0

**Total** ...................................................... 24.5

### Physical Education**

**Restricted admission; see section 10.2, page 66.**

**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 241B ..................................................... 1.5
- PE 245 ....................................................... 1.5
- PE 246 ....................................................... 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 461A-M ................................. 0.5
- One of PE 342, 347, 348, 351, 355, 357, 441, 445, 449, 455 ....... 1.5

**Total** ...................................................... 27.0

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

### Physics

**Corequisites:**
- MATH 100 and 101 ...................................... 3.0
- MATH 200 and 201 ...................................... 3.0
- MATH 330A .................................................. 1.5

**Total** ...................................................... 7.5

**Area:**
- PHYS 112 or 120, 214, 215, 216, 220, 317, 325, 326 ........... 12.0 or 13.5
- Approved Senior Physics* ........................ 3.0 or 1.5

**Total** ...................................................... 15.0

*Physics 303 is not acceptable.
Note: Students are urged to seek advice from the Secondary Science Adviser.

### Social Studies (with Geography Emphasis)

**Corequisite:**
- Canadian history (lower or upper level) ... 3.0

**Area:**
- GEOG 101A .................................................. 1.5
- GEOG 101B .................................................. 1.5
- 200 level GEOG .......................................... 3.0
- Upper-level GEOG .................................... 6.0
- Upper-level work chosen from any of the following: History, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies and/or Medieval Studies ................. 3.0

**Total** ...................................................... 15.0

### Social Studies (with History Emphasis)

**Corequisite:**
- GEOG 101A and 101B ................................. 3.0

**Area:**
- Lower-level history ................................... 6.0
- Upper-level history .................................... 6.0
- Upper-level work chosen from any of the following: Geography, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies and/or Medieval Studies ................. 3.0

**Total** ...................................................... 15.0

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

### Theatre/Drama in Education

**Corequisites:**
- ENGL 402 and 403; or EDCI 353A and 353B .... 3.0

**Total** ...................................................... 3.0

**Area:**
- THEA 105 ................................................... 3.0
- THEA 101 or 111 and 112 ......................... 3.0
- THEA 120 ................................................... 3.0
- THEA 132 ................................................... 3.0
- THEA 331 ................................................... 1.5
- THEA 332 ................................................... 1.5
- EDCI 487 (Theatre, Drama) and EDCI 464, or two of EDCI 487 (Theatre, Drama) ................. 3.0

**2007-08 UVIC CALENDAR**

**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 60 of the Calendar.**
10.7 Year Five: Professional Year

Regular Program Option

<table>
<thead>
<tr>
<th>September to December</th>
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<tbody>
<tr>
<td>EDCI 352</td>
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<td>EDCI 431, 432, 433 or 434</td>
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<td>One of the following:</td>
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<tr>
<td>Art Education</td>
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<td>EDCI 706</td>
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<td>ED-D 337A</td>
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<tr>
<td>Approved second area curriculum and instruction course or ED-D 404 or approved Education elective</td>
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Approved second area curriculum and instruction course or ED-D 404 or approved Education elective

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<th>September to January</th>
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<td>EDCI 706</td>
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<td>Approved second area curriculum and instruction course</td>
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<th>January to First Week in May</th>
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<td>ED-P 780</td>
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<td>ED-P 798</td>
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<tr>
<td>Total units</td>
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<td>Total Units for Degree</td>
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</table>

Eligible for Professional Certificate and Degree

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>) 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

An acceptance fee of $150.00 is required from all students upon their acceptance of a place in the Secondary Post-Degree Program. This fee will be credited towards student fees at the beginning of the program. A student who withdraws from the program at least 30 days before the start date of the program will receive $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 one 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 60.
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 a second language other than French 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). Theatre and second language other than French are not available as teaching majors.

1. a) Art: Degrees with a concentration or major in visual arts must have their content approved in advance by the Faculty Adviser.
b) Biology, Chemistry, Physics and General Science: Degrees with a concentration or major in any of these sciences approved by the Secondary Science Adviser. Specific requirements for each teaching area may be found on the Faculty of Education web page or in the Secondary Program Information package.
c) English: Whether presenting a concentration or major, the following courses or their equivalents must be included:
   1. ENGL 215
   2. ENGL 366B and 366C, or 366D and 366E
   3. 3 units from ENGL 448, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459
   5. 3 units from EDCI 350, 353A, 353B, OR 1.5 units from EDCI 350, 353A, 353B and 1.5 units from ED-D 423, EDCI 338, ENGL 413, HA 312, WRIT 330 or another course approved by the English Language Arts Adviser

d) French: Degrees with a concentration or major. Applicants must pass an oral competency exam (or complete FREN 350 with a minimum grade of A-). 

e) Geography: see Social Studies.
f) History: see Social Studies.
g) Mathematics: Degrees with a concentration or major. In lieu of the concentration, the 15-unit mathematics teaching area as outlined on page 67 is acceptable.
h) Music: Requires a University of Victoria Bachelor of Music with a Major in Music Education (Secondary) or an equivalent degree from another institution.
i) Social Studies:
   - Major: Degrees presented for a major must include 3 units of Canadian history, 3 units of introductory geography and one of the following:
     
     Geography Emphasis
     - 12 units of upper-level Geography that include at least 1.5 units dealing with Canadian issues and 7.5 units from human, cultural, economic, regional, Pacific Rim, urban, political and/or geographical technology and methods
     - 3 units upper-level work from History, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies or Medieval Studies
     
     History Emphasis
     - 3 units upper-level European history
     - 9 units upper-level history
     - 3 units upper-level work chosen from Geography, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies or Medieval Studies
     
     Concentration: a concentration in Social Studies must include one of the following:

     Geography Emphasis
     - 6 units of upper-level work in geography, 3 units of Canadian history, 3 units of introductory Geography, and 3 units of upper-level work in any of the following: History, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies or Medieval Studies
     
     History Emphasis
     - 6 units of upper-level work in history, 3 units of Canadian history, 3 units of introductory Geography, and 3 units of upper-level work in any of the following: Geography, Anthropology, Pacific and Asian Studies, Classics, Economics, Native Studies, Political Science, Sociology, Urban Studies, Women's Studies or Medieval Studies
     
Note: Students may not apply to the program using geography and history concentrations as their two teaching areas.

j) One of the following:
   - Theatre: Degrees with a concentration in Theatre must include the following courses or their equivalents: THEA 101 or 111 and 112, 105, 120, 132, 331, 332, EDCI 487 (theatre,
drama) and EDCI 464 or 2 of EDCI 487 and 3 additional units of approved upper-level theatre courses.
- **German:** Minimum 9 upper-level units. Applicants must pass an oral competency exam.
- **Japanese:** Minimum 9 upper-level units. Applicants must pass an oral competency exam.
- **Mandarin:** Minimum 9 upper-level units. Applicants must pass an oral competency exam.
- **Russian:** Minimum 9 upper-level units. Applicants must pass an oral competency exam.
- **Spanish:** Minimum 9 upper-level units. Applicants must pass an oral competency exam.

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.

### 11.3 Program Details

This is a program for applicants with an approved degree. Successful completion of the first 10 months of the regular program option qualifies students for a professional teaching certificate. Additional course work as described under Degree Completion (below) will result in the granting of the Bachelor of Education degree. A minimum of 30 units is required for the degree.

Because of the professional involvement off-campus during this program, students are not normally permitted to take courses in addition to those specified. All specified course work must be taken in the order assigned. Students who fail to successfully complete course work in the term in which it is assigned may be required to withdraw from the program.

Successful completion of all courses listed under Certification Component (below) with a 3.0 average overall is necessary to qualify for certification.

### 11.4 Course Requirements

**Certification Component**

#### a) Regular Program

**July-August**

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<td>ED-D 401</td>
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<td>ED-P 790</td>
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**September-December**

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<td>EDCI 706 to EDCI 767 (Note 1)</td>
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<td>EDCI 352</td>
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<td>ED-D 337A, B, C or E</td>
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<td>ED-D 430</td>
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**January to first week in May**

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<tr>
<td>ED-P 798</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total units** | 19.5-21.0

Eligible for CERTIFICATION

#### b) Special Music Program

**September-December**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 761</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 352</td>
<td>1.5</td>
</tr>
<tr>
<td>One of EDCI 431, 432, 433, 434</td>
<td>3.0</td>
</tr>
<tr>
<td>ED-D 337A</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Approved second area curriculum and instruction course or ED-D 404 or approved Education elective** | 1.5

**ED-D 430** | 1.5

**January-April**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED-P 780</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-P 798</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total units** | 15.0

Eligible for CERTIFICATION

*Notes: 1. Students admitted with one area will take one course for 1.5 units; students admitted with two areas will take two courses for a total of 3 units."

#### c) Internship Program

**June-August**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED-D 401</td>
<td>4.5</td>
</tr>
<tr>
<td>ED-D 406</td>
<td>3.0</td>
</tr>
<tr>
<td>ED-D 337A, B, C, or E</td>
<td>1.5</td>
</tr>
<tr>
<td>Curriculum Instruction</td>
<td>1.5-3.0</td>
</tr>
<tr>
<td>EDCI 431 or 432</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**September-December**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 748</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 756</td>
<td>2.0</td>
</tr>
</tbody>
</table>

**January-June**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 352</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 336</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-P 780</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**September-June**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED-P 798</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Total units** | 19.5-21.0

Eligible for CERTIFICATION

### 11.5 Degree Completion

The Bachelor of Education second degree program requires all students to have 30 units of course work completed beyond their first degree and a minimum grade point average of 3.00 in order to qualify for graduation. The degree must include 21 units of senior level courses. Most students will find that their Professional Year consists of 15 to 23 units of senior courses, depending on their program option, and must complete a further 7 to 15 units of additional work for the BEd degree. Students should determine the degree requirements for their particular program by consulting with an Education Adviser.

#### 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>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL 432</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 433</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 434A</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 435</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 437A</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 438</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 494*</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 337</td>
<td>1.5</td>
</tr>
<tr>
<td>Approved elective</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 430</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Total** | 15.0

Pre- or corequisites:
- EDCI 347A and EDCI 347B** | 3.0 |
- EDCI 348 | 1.5 |
- EDCI 351 | 1.5
Diploma in Teacher-Librarianship (Secondary)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL 432</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 433</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 434B</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 435</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 437B</td>
<td>1.5</td>
</tr>
<tr>
<td>TL 438</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 494*</td>
<td>1.5</td>
</tr>
<tr>
<td>EDCI 337</td>
<td>1.5</td>
</tr>
<tr>
<td>Approved elective</td>
<td>1.5</td>
</tr>
<tr>
<td>ED-D 430</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15.0</td>
</tr>
</tbody>
</table>

Pre- or corequisites:

ECDI 348 .............................................................. 1.5
ECDI 352 .............................................................. 1.5
ECDI 353 .................................................................. 3.0
  * Directed studies
  ** May substitute other approved children's literature course (1-3)

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

<table>
<thead>
<tr>
<th>Year One</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 350 ....................................... 1.5</td>
</tr>
<tr>
<td>ME 351 ....................................... 1.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year Two</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 450 ....................................... 1.5</td>
</tr>
<tr>
<td>ME 451 ....................................... 1.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year Three</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 460 ....................................... 1.5</td>
</tr>
<tr>
<td>ME 461 ....................................... 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 substitute 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-level 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</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED-D 440 ......................................... 1.5</td>
<td></td>
</tr>
<tr>
<td>ED-D 441 ......................................... 1.5</td>
<td></td>
</tr>
<tr>
<td>ED-D 446A .......................................... 1.5</td>
<td></td>
</tr>
<tr>
<td>ED-D 446B .......................................... 1.5</td>
<td></td>
</tr>
<tr>
<td>ED-D 447 ......................................... 1.5</td>
<td></td>
</tr>
<tr>
<td>ED-D 418 ......................................... 1.5</td>
<td></td>
</tr>
<tr>
<td>ED-D 444 or ED-D 433 AND 434 .................... 3.0</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>12.0</td>
</tr>
</tbody>
</table>

Approved Electives (3.0 units)*

3 units chosen from ED-D 414, ED-D 435A, ED-D 435B, ED-D 480, ED-D 359, ECDI 337, ED-D 338, ED-D 499 ................. 3.0

**Total Units for Diploma** .................................... 15.0

*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</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECDI 336 ...... 1.5</td>
<td></td>
</tr>
<tr>
<td>ECDI 337 ...... 1.5</td>
<td></td>
</tr>
<tr>
<td>ECDI 338 ...... 1.5</td>
<td></td>
</tr>
<tr>
<td>ECDI 339 ...... 1.5</td>
<td></td>
</tr>
<tr>
<td>ED-D 338 ...... 1.5</td>
<td></td>
</tr>
<tr>
<td>ED-D 437 ...... 1.5</td>
<td></td>
</tr>
<tr>
<td>ECDI 480 ...... 3.0</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>12.0</td>
</tr>
</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 the five-year Bachelor of Education secondary physical 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 model basis. Please refer to the general description of the Co-operative Education concept and general regulations governing all co-operative education students, page 45.

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 Undergraduate Admissions or online at [http:// registrars. uvic. ca/ undergrad. ]>. Reregistering UVic students may download, print and complete an Application to the School of Physical Education form available on the School's website: <www. educ. uvic. ca/ phed/ selpro. htm> or obtain a paper 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. New student applications must be sent to Admission Services. Reregistering UVic student applications must be sent to Records Services for which they have been approved.
### 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 Undergraduate Admissions or online at [http://registrar.uvic.ca/undergrad/](http://registrar.uvic.ca/undergrad/). Reregistering UVic students may download, print and complete an Application to the School of Physical Education form available on the School's website: [www.educ.uvic.ca/phed/selprocs.htm](http://www.educ.uvic.ca/phed/selprocs.htm) or obtain a paper 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. New student applications must be sent to Admission Services. Reregistering UVic student applications must be sent to Records Services.

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

1. a minimum of 6 units of science-designated units
2. 3 units of English
3. PE 143
4. a minimum Grade Point Average of 5.0 ("B" average) on the most recent session. For students currently registered in less than 12 units, the GPA will be determined by using a combination of the GPA achieved in the current session and the GPA from the previous session applied to the number of units required to reach the 12 units. Achieving the minimum GPA for the program does not ensure acceptance.

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.

### 13.1 Recommended Sequence of Courses

#### Year One:

**Courses**

- **(Humanities, Science, or Social Sciences)**
  - CSC 100 or 110 ...........................................1.5
  - Two of ENGL 115, 125, 135, or 145 ...........3.0
  - PE 141 .....................................................1.5
  - PE 142 .....................................................1.5
  - PE 143 .....................................................1.5
  - PSYC 100A and B ....................................3.0
  - SOCI 100 ................................................1.5
  - One elective ............................................1.5

**Total** ..................................................15.0

#### Year Two

- PE 241B ..................................................1.5
- PE 243 ..................................................1.5
- PE 244 ..................................................1.5
- PE 252 ..................................................1.5
- PE 253 ..................................................1.5
- PE 270 ..................................................1.5
- Electives ...............................................6.0

**Total** ................................................15.0

#### Year Three

**September-December:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 104-135</td>
<td>0.5</td>
</tr>
<tr>
<td>PE 351</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 354A</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 360</td>
<td>1.5</td>
</tr>
<tr>
<td>One Elective</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Year Four

**September-December:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two of PE 104-135</td>
<td>1.0</td>
</tr>
<tr>
<td>Total</td>
<td>7.0</td>
</tr>
</tbody>
</table>

**May-August:**

**Year Five

**September -April:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 454</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 445</td>
<td>1.5</td>
</tr>
<tr>
<td>Three Electives</td>
<td>4.5</td>
</tr>
</tbody>
</table>

**Total** ................................................7.5

**Year Four

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

1. Students must complete three skill performance and analysis courses from PE 104-135.
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.

*PE 155 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.
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 6.5 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 Science 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**

**Year One**

(Humanities, Science or Social Sciences)

- BIOL 150A or 150B, or 190A and 190B* ..........3.0
- CHEM 101 and 102* ......................................3.0
- PE 141* .........................................................1.5
- PE 143 ............................................................1.5
- PE 155 ............................................................1.5
- Two of ENGL 115, 125, 135, or 145 ..............3.0
- Electives (see note 3) .......................................1.5

**Total for year.........................................................15.0**

**Year Two**

- MATH 100 and 101, or 102 and 151* ..........3.0
- PHYS 102 or 112 or 120, and 125* ..........3.0
- PE 241A* .........................................................1.5
- PE 241B* ........................................................1.5
- PE 245 ............................................................1.5
- PE 253 ............................................................1.5
- One of PE 104-135 ........................................0.5
- Electives (see note 3) .......................................3.0

**Total for year.........................................................15.5**

**Year Three**

- PE 341* ........................................................1.5
- PE 344* ........................................................1.5
- PE 360* ........................................................1.5

- PE 380* ........................................................1.5
- One of PE 104-135 ........................................0.5
- PE 300-400 level ..........................................3.0
- Electives (see note 3) .......................................4.5

**Total for year.........................................................14.0**

**Year Four**

- PE 441* ........................................................1.5
- PE 444* ........................................................1.5
- PE 447 (full-year course) ..............................1.5
- One of PE 104-135 ........................................0.5
- PE 300-400 level ..........................................4.5
- Electives (see note 3) .......................................6.0

**Total for year.........................................................15.5**

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

* science designated course

**Notes (Major and Honours):**

1. The Bachelor of Science Kinesiology degree requires 33 science-designated units.
2. Students must take at least 30 units in each of the four basic sciences (BIOI, CHEM, MATH, and PHYS).
3. At least 12 units of electives must be selected from courses offered by the following: 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 program.

**13.2.5 BSc Major In Kinesiology - Co-operative Education Program**

Please refer to the general description of the Co-operative Education concept and regulations governing all co-operative education students, page 45.

All students should follow the academic guidelines described in section 13.2.6. Applicants to the co-op program in Kinesiology may be admitted to 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 3 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**

**Year One**

(Humanities, Science or Social Sciences)

- BIOL 150A and 150B, or 190A and 190B* ..........3.0
- CHEM 101 and 102* ......................................3.0
- PE 141* ........................................................1.5
- PE 143 ............................................................1.5
- PE 155 ............................................................1.5
- Two of ENGL 115, 125, 135, or 145 ..............3.0
- Electives (see note 3) .......................................1.5

**Total for year.........................................................15.0**

**Year Two**

- MATH 100 and 101, or 102 and 151* ..........3.0
- PHYS 102 or 112 or 120, and 125* ..........3.0
- PE 241A* .........................................................1.5
- PE 241B* ........................................................1.5
- PE 245 ............................................................1.5
- PE 253 ............................................................1.5
- One of PE 104-135 ........................................0.5
- Electives (see note 3) .......................................3.0

**Total for year.........................................................15.5**

**Year Three**

- PE 341* ........................................................1.5
- PE 344* ........................................................1.5
- PE 360* ........................................................1.5

**Total for year.........................................................14.0**

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

* science designated courses

**13.2.7 Interfaculty Minor, Double Honours or Major**

Students interested in pursuing an Interfaculty Minor or an Interfaculty Double Honours or Major should discuss this program with both the Program Co-ordinator and an Education Adviser.
Faculty of Engineering

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, the BSc Computer Science (Mechatronics and Embedded Systems option) program, and the BSc Combined Major program in Health Information Science and Computer Science. Co-op is optional for the other BSc programs.
Faculty Members

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 (Undergraduate Programs) and Professor
Afzal Suleman, PhD (British Columbia), Associate Dean (Research) and Associate Professor
Manfred Bultmann, MA (Cologne), Co-operative Education Coordinator
Marguerite E. Casey, BSc, MEd (UVic), Co-operative Education Coordinator
Matthew Cormie, Senior Programmer Analyst
George Csanyi-Fritz, PEng, Faculty Engineer
Belinda de Jong, BA (UVic), Administrative Officer, BSENG Program
Gary E. Duncan, BSc (UVic), MSc (Tor), Senior Programmer Analyst
Susan Fiddler, BMus (UVic), Co-operative Education Coordinator
Marilee V. Garrett, BA (Brown), MSc (UVic), Co-operative Education Coordinator
LeAnne Golinsky, Admissions/Advising Officer
Roel Hurkens, BSc (Wat), MSc (Tor), PPhys, Co-operative Education Coordinator
Megan Jameson, BA (UVic), Co-operative Education Placement Coordinator
Kevin Jones, Programmer Analyst
Shane Kerschien, BEng (UVic), Programmer Analyst
Rhonda Korol, BSc (Toronto), MSc (UVic), Co-operative Education Coordinator
Carmen Leeming, BEng (UVic), MSc (Wat), Co-operative Education Coordinator
Cindy Lowe, BA (UVic), Co-operative Education Placement Coordinator
Sean McConkey, BAs (Wat), Co-operative Education Coordinator
Carol S. Roberts, DipTech (STI), BSc, MBA (Man), PEng, Co-operative Education Coordinator
Erin Sebastian, BSc, MSc (UVic), Administrative Officer
Seann Wagner, BSc (UVic), Programmer Analyst
Bruce Winter, CD, BSc (St Mary’s), MSc (UVic), Engineering and Computer Science/Math Co-op Program Manager

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 82.

The Co-operative Education Program is mandatory for all BEng and BSENG programs, for the BSc in Computer Science (Business Option, or Mechatronics and Embedded Systems Option), and the Combined Major in Health Information Science and Computer Science program. All students in these programs graduate with the Co-op designation on their academic documents.

Co-operative Education is optional for the other BSc programs in Computer Science. The Engineering, BSENG, and Computer Science Co-operative Education Programs are described on page 80.

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.

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.

Faculty of Engineering Undergraduate Programs

<table>
<thead>
<tr>
<th>Bachelor of Software Engineering</th>
<th>Bachelor of Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Electrical and Computer Engineering</td>
<td>•</td>
</tr>
<tr>
<td>Department of Mechanical Engineering</td>
<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.
Records Services and confirmation that their admission file is complete.

Students admitted to the BEng and BSENG degree program normally begin first-year Engineering courses in the September-December term each year.

International Students

The University has a primary obligation to permanent residents of Canada. Nevertheless, a limited number of international students may be admitted to the BEng and BSENG degree programs.

Admission Requirements

Graduates of BC Secondary Schools

Requirements for admission to the BEng and BSENG degree programs 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 67%.

Applicants Transferring from First-Year Science

Applicants who have completed first-year Science at a university or college are eligible to be considered for admission. Applicants will be evaluated on a course-by-course and student-by-student basis. Applicants in this category should normally have taken at least 12 units of courses which transfer to the University of Victoria as CSC 110, MATH 100 and 101, PHYS 120 or 112, ENGL 115 or 135 or another first-year English course, and 4.5 units of other electives.

The following courses are recommended as electives: CSC 115, CHEM 101 and 102, MATH 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. Acceptance into the Bridge and BEng or BSENG Programs is decided on an individual basis and must be obtained from the Faculty of Engineering.

petition 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. Meeting all of the above requirements does not guarantee readmission to the program since a reapplication will be considered in competition with all other applicants and in the context of space availability at the time of reapplication. A student who is required to withdraw and is then readmitted will be placed on Probation and must obtain Satisfactory Standing at the next regular standing evaluation.

Academic Regulations

Academic Terms and Academic Years

The academic schedule for the BEng and BSENG degree programs consists of eight academic terms (two per academic year) and six work/other terms.

The academic terms are scheduled from September to December, January to April, and May to August. The schedule for academic terms and work/other terms is shown in the table “Academic and Work/Other Term Schedule.” Four of the six work/other terms are normally used to satisfy the cooperative education requirements of the particular degree program being completed by the student. The remaining two terms (8 months) may be used for other academic work (completion of the Management Option, an available option, or a Minor), gaining additional work experience, or any other activity the student wishes to pursue. Please refer to the appropriate program entry for the course schedule for each academic term in a specific program.

Any deviations from the academic schedule shown below require the written approval of the Dean of the Faculty.

Each student in a BEng or BSENG degree program will be assigned to a graduating class, which at any point in time will determine the student’s current academic term or work/other term for the purposes of other regulations.

Course Load and Program Completion Regulations

The BEng and BSENG programs are designed to be completed on a full-time basis. The normal course load is:

- Academic term 1A: 7.5 units
- Academic term 1B: 8.5 units
- Academic terms 2A through 4B: 9.0 units

Students whose course load falls below four courses in any four-month academic term require written permission of the Dean to participate in the Co-op placement process during that term. Non-participation in the regular Co-op placement process does not relieve a student of the responsibility to complete at least four work terms (as defined by the student’s registered

Substitutions for BEng and BSENG Program Courses

<table>
<thead>
<tr>
<th>Engineering Courses</th>
<th>Substitute Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 150</td>
<td>CHEM 101</td>
</tr>
<tr>
<td>ELEC 216</td>
<td>PHYS 216</td>
</tr>
<tr>
<td>ENGR 240</td>
<td>ENGR 225</td>
</tr>
<tr>
<td>MATH 133</td>
<td>MATH 233A</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>PHYS 120</td>
</tr>
<tr>
<td>PHYS 122 &amp; 125</td>
<td>PHYS 112</td>
</tr>
<tr>
<td>STAT 254</td>
<td>STAT 260</td>
</tr>
</tbody>
</table>
program) in order to graduate from the program.

Program Change Requests
Students who have completed at least one term (two terms for first-year students) of full-time studies in the BEng or BSENG programs at UVic who wish to alter the prescribed program must file a Modified Program Application form with their respective departmental office.

Program change requests, including requests for leaves of absence, will be forwarded to the Dean, who will either approve or deny them, based in part on input received from the department concerned. Students must submit their requests before actually dropping or adding courses. Although every effort will be made to detect problems during this review process, students are solely responsible for difficulties resulting from prerequisite and timetable conflicts.

If program changes result in time away from the program, readmission to the program will depend on space being available at the time of re-entry and the student's academic status at the time of the readmission request. Approval of a leave of absence does not guarantee the absence of timetable conflicts upon the student's reRegistration into the program. The period of the leave of absence will not be included in the overall time for degree completion; however, the Faculty reserves the right to require that relevant course work be repeated if deemed necessary by the Dean and the department concerned.

Maximum Time for Degree Completion
Students not completing their programs within the specified time limits must have their program extension approved by the Dean. The starting month in determining the length of a student's program is the first month in which courses are taken in the BEng or BSENG programs at UVic.

Year of Entry into the BEng or BSENG Program
1 2 3

Normal Time to Complete (months)
56 44 28-36

Maximum Time to Complete (months)
80 68 48

In exceptional circumstances, a student may undertake programs not bound by the above regulations. Such programs must be approved by the Dean before the student begins studies in the Faculty of Engineering.

Academic Performance
Grading
The grading system used for the BEng and BSENG degree programs is the same as that specified by the University (see Grading, page 37), 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 unclear D grades in the BEng or BSENG program to be eligible to graduate.

Grading

<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>

Review of an Assigned Grade in BEng and BSENG Program Courses, Work Terms, and Work Term Modules
• Any request for a review of a final grade must normally reach the Dean's office within 21 days after the release of assigned grades.
• The review of a final grade is restricted to grade components contributed by a final examination and to any other grade components released to the student within the last 21 days before the end of classes.
• In the case of a work term or work term module evaluation, the review will be restricted to the component on which a failing grade was assigned.
• The grade determined by means of a review will be recorded as the final official grade, regardless of whether it is identical to or higher or lower than the original grade.
• Before requesting a review, students should make every reasonable effort to discuss the assigned grade with the instructor. Mathematical marking errors will be rectified without recourse to the review procedures.

Reviews of Academic Performance
The standing of students in the BEng and BSENG programs is determined by their sessional Grade Point Average. A student is in Satisfactory Standing if his or her sessional GPA is greater than or equal to 3.0. A student with Satisfactory Standing may proceed in the program.

BEng and BSENG Standings
Satisfactory Standing
A student is in Satisfactory Standing if his or her sessional GPA is greater than or equal to 3.0.

Probationary Standing
A student who is in Satisfactory Standing may be placed on Probationary Standing if his or her sessional GPA is less than 2.0.

Failed Standing
A student registered in 4.5 units or more whose sessional GPA is less than 2.0 is placed on Failed Standing.

A student with Failed Standing in the BEng or BSENG program is required to withdraw from the program and will not be considered for re- admission for at least one year. Please refer to the Readmission to the Faculty section in this calendar entry.

A student with Failed Standing in the BEng or BSENG program who also has University Failed Standing is required to withdraw from UVic and will not be considered for re-admission for at least one year.

A student who is required to withdraw is not permitted to take or retake any courses with prefixes of CENG, ELEC, ENGR, or MECH until such time as they are re-admitted to a BEng or BSENG program.

A student given Failed Standing for a second time in either the BEng or BSENG program will be required to permanently withdraw from the program.

Course Equivalents and Course Withdrawals
Approval may be given, at the discretion of the Dean, for a student to replace one or more BEng or BSENG degree program courses with other acceptable courses. Written approval must be obtained in advance. Normally, such replacement courses will be taken at UVic. When a replacement course is to be taken at another institution, the student must obtain a Letter of Permission from the BEng or BSENG Office prior to undertaking the studies. See Letters of Permission for UVic Students to Undertake Studies Elsewhere, page 29.

Students will not be permitted to withdraw from a given course more than once.
Examinations
Deferred Examinations
- Where a student has been unable to write an examination owing to illness, family crisis or other similar circumstances, the Faculty may authorize a deferred examination.
- For the purpose of providing evidence to the Faculty as to the nature of illness and its effect on the student’s ability to write an examination, the physician’s medical report should be made on a form provided by the Faculty of Engineering, where possible. If this form is not used, the medical report should contain the information required by the Faculty of Engineering.
- Deferred exams will normally be written at the start of the student’s next academic term; that is, approximately four months following the deferral of the exam.

Supplemental Examinations
- Students are eligible to write a supplemental examination in a course only if they have written a final examination and have received a final grade of E in the course. Students will be permitted to write the supplemental exam regardless of their academic standing in the BENG or BSENG program.
- Supplemental examinations cover only the course work covered by written final examinations.
- The supplemental examination grade replaces the grade of the course final examination and has the same weight as that of the final examination. A course with no final examination will have no supplemental examination.
- Any passing grade in a course obtained as a result of a supplemental examination will be shown in the student’s academic record with a grade point value of 1, corresponding to a D, and will be taken into account in determining the student’s graduating average and standing at graduation, but will not affect the student’s sessional grade-point average.
- Applications for supplemental examinations, accompanied by the required fees, must be received by the B.Eng. Office by the dates indicated in table “Supplemental Examination Dates and Deadlines.”
- Students will normally be notified whether their application has been accepted or refused within four weeks of the appropriate application deadline. Fee payments for rejected applications will be returned.
- Supplemental examinations are scheduled by the Faculty and only include CENG, ELEC, ENGR, MECH; and SENG courses offered by the Electrical and Computer Engineering Department.

Graduation Requirements
Students must meet the following requirements in addition to the normal University requirements in order to be eligible for graduation:
1. Successful completion of the full set of courses specified for the degree program.
2. Successful completion of four work terms (as defined by the students registered program) as specified below.
3. To have a graduating average of at least 2.0 and to currently be in Satisfactory Standing. Students who 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 U Vic 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

### Supplemental Examination Dates and Deadlines

<table>
<thead>
<tr>
<th>Term in which E Grade Was Obtained</th>
<th>Application Deadline for Supplemental Examination</th>
<th>Supplemental Examination Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Term of Winter Session (Sept-Dec)</td>
<td>Following February 28</td>
<td>First week of following May</td>
</tr>
<tr>
<td>Second Term of Winter Session (Jan-Apr)</td>
<td>Following June 30</td>
<td>First week of following September</td>
</tr>
<tr>
<td>Summer Session (May-Aug)</td>
<td>Following October 31</td>
<td>First week of following January</td>
</tr>
</tbody>
</table>

2007-08 UVIC CALENDAR
Courses Common to all BEng and BSENG Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 150</td>
<td>Engineering Chemistry</td>
</tr>
<tr>
<td>CSC 111</td>
<td>Fundamentals of Programming with Engineering Applications</td>
</tr>
<tr>
<td>CSC 115</td>
<td>Fundamentals of Programming II</td>
</tr>
<tr>
<td>ELEC 199</td>
<td>Laboratory in Engineering Fundamentals</td>
</tr>
<tr>
<td>ENGL 115</td>
<td>University Writing</td>
</tr>
<tr>
<td>ENGR 020</td>
<td>Introduction to Professional Practice</td>
</tr>
<tr>
<td>ENGR 240</td>
<td>Technical Writing</td>
</tr>
<tr>
<td>ENGR 280</td>
<td>Engineering Economics</td>
</tr>
<tr>
<td>ENGR 446</td>
<td>Technical Report</td>
</tr>
<tr>
<td>MATH 100</td>
<td>Calculus: I</td>
</tr>
<tr>
<td>MATH 101</td>
<td>Calculus: II</td>
</tr>
<tr>
<td>MATH 133</td>
<td>Matrix Algebra for Engineers</td>
</tr>
<tr>
<td>MECH 141</td>
<td>Engineering Fundamentals: I</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>Mechanics for Engineers</td>
</tr>
<tr>
<td>PHYS 125</td>
<td>Fundamentals of Physics</td>
</tr>
<tr>
<td>ENGR 280</td>
<td>Engineering Economics</td>
</tr>
</tbody>
</table>

1. ENGR 020 is offered in the September to December and January to April academic terms. First year students will normally complete ENGR 020 in the September to December academic term. Students entering third year via the Bridge program will complete ENGR 020 in their first academic term (January to April).
2. Students must successfully complete the University English Requirement and ENGR 240 (Technical Writing) before undertaking their second work term (fifth Work Term Module for BSENG students).
3. Students must register in this course in the term preceding the final term of their program (academic or work term).
4. A current list of acceptable courses may be obtained from the BEng or BSENG office.

Additional Courses Common to all BEng Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 349A</td>
<td>Numerical Analysis: I</td>
</tr>
<tr>
<td>ELEC 216</td>
<td>Electricity and Magnetism</td>
</tr>
<tr>
<td>ELEC 250</td>
<td>Linear Circuits: I</td>
</tr>
<tr>
<td>ENGR 297</td>
<td>Technology and Society</td>
</tr>
<tr>
<td>ENGR 446</td>
<td>Technical Report</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Calculus of Several Variables</td>
</tr>
<tr>
<td>MATH 201</td>
<td>Introduction to Differential Equations</td>
</tr>
<tr>
<td>STAT 254</td>
<td>Probability and Statistics for Engineers</td>
</tr>
</tbody>
</table>

1. For ELEC and CENG students, may be replaced by a course in humanities or social sciences as required by CEAB guidelines for impact of technology on society. A current list of acceptable replacement courses may be obtained from the BEng Office.
2. Students must register in this course in the term preceding the final term of their program (academic or work term).
ENGINEERING AND COMPUTER SCIENCE/MATH CO-OPERATIVE EDUCATION PROGRAMS

General Regulations
Co-operative Education is mandatory in the BEng and BSENG degree programs. The University regulations with respect to Co-operative Education Programs, page 45, are applicable to the BEng, BSENG and Computer Science/Math degree program students except to the extent that they are modified by regulations adopted by the BEng, BSENG or Computer Science/Math Co-op programs.

The Faculty and Departments will endeavour to inform students who appear to be at risk of violating any of these requirements. Failure to do so, however, in no way obligates the Faculty or the Departments to waive a requirement at a later date.

The Engineering and Computer Science/Math Co-op office is responsible for overseeing and evaluating work placements, and the assignment of the work term grades.

Admission and Retention Regulations for CSC/Math Co-op Students
The normal requirements for admission of students to a Computer Science/Mathematics Co-op Program are the completion of CSC 110, MATH 100 and the following:
1. the completion of at least 4.5 units on their last academic term
2. a minimum grade of B- in any Computer Science courses and a minimum grade of C+ in any Mathematics or Statistics courses taken on their last academic term
3. no grades of F, E, or N in courses taken on their last academic term

Students are normally admitted to a program in January after their first term on campus; application for admission should be made before the end of the first term. However, a student may be admitted to a program up to the end of his or her second year. A student will be admitted to a Co-op Program only if there is a satisfactory schedule of academic terms and work terms that will enable the student to complete all co-op requirements.

For students who have completed all of CSC 110 and 115 and MATH 100, 101, 122, the normal requirements for admission to a Computer Science/Mathematics Co-op Program are:
1. the completion of at least 4.5 units on their last academic term
2. a minimum grade of B- in any of CSC 115, 225, 230 and SENG 265 taken on their last academic term; a minimum grade of C+ in any other Computer Science courses taken on their last academic term; and a minimum grade of C in any Mathematics or Statistics courses taken on their last academic term
3. no grades of F, E, or N in courses taken on their last academic term

Students registered in a Co-op Program must normally be enrolled in at least 6 units of course work during each academic term. The performance of students will be reviewed after each academic term and each work term. Students who fail to achieve satisfactory standing on an academic or satisfactory completion of a work term (see General Co-op Regulations in UVIC Calendar) may be required to withdraw from the program. Each work term is recorded on the student's academic record and transcript.

Work Term Sequence
BEng and CSC/Math students' work terms are normally of four months' duration (minimum 13 weeks (455 hours) and a maximum of 18 weeks) and alternate with academic terms.

The BSENG Co-op work placement consists of a number of blocks of full-time employment that will normally span four-month intervals (minimum 13 weeks and a maximum of 18 weeks). However, work periods may be as short as 1 month 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 BSENG student undertaking an approved work placement must be registered in an appropriate set of Work Term Modules. A Work Term Module represents a one-month period of continuous employment and hence corresponds to one-fourth of a full work term.

Work Term Prerequisites
BEng and BSENG Students
ENGR 020 (Introduction to Professional Practice) and ENGR 240 (Technical Writing) are mandatory requirements for BEng and BSENG students.

Students must successfully complete ENGR 020 (Introduction to Professional Practice) before undertaking their first work term (first Work Term Module for BSENG students). ENGR 020 is offered in the September to December and January to April academic terms. First year students will normally complete ENGR 020 in the September to December academic term. Students entering third year via the Bridge Program will complete ENGR 020 in their first academic term (January-April).

Students must successfully complete the University English Requirement and ENGR 240 (Technical Writing) before undertaking their second work term (fifth Work Term Module for BSENG students).

Computer Science/Math Students
The CSC Work Placement Preparatory Course is a mandatory requirement for Computer Science/Math Co-op students. Students normally must have completed the preparatory course before undertaking their first work term but in all cases must complete it before taking the second work term.

Students with significant work experience may complete a “Prior Learning Assessment”. Advance placements or waivers for this course may be considered on this basis only.

Students normally must complete the University English Requirement before undertaking their first work term but in all cases must complete this requirement before their second work term.

Work Term Credits/Reductions
Students must pass four work terms in order to qualify for the BEng, BSENG and CSC/MATH Co-op degree.

There are, however, several clearly defined situations where this requirement may be reduced by one or at most two work terms. Please note that the total work term credits/reductions that can be accumulated under this section is limited to a maximum of two.

1. A student with extensive technical work experience may apply to challenge for credit one or two work terms (8 Work Term Modules for BSENG students). It should be noted that only one challenge is permitted in CSC and none in the combined CSC/Health Information Science programs.

2. A student with co-op work terms from another post-secondary institution may apply for transfer credit (to a maximum of two) toward the four required work terms if they have at least 12 units of academic credit which transfers from that institution towards the BEng, BSENG or CSC/MATH co-op degree. Detailed documentation supporting the credit request may be required.

A student with at least 455 hours related work experience may apply for work term credit by challenge. Students must apply in writing to the Engineering and Computer Science/Math Co-op office for challenges and transfer credits. Applications must be made within the first four months of attendance in the BEng, BSENG or CSC/Math programs at UVic.

A student undertaking continuous co-op work experience longer than four months must be registered in a separate work term for each 4 month period and may be granted credit for additional work terms provided the basic requirements for each individual work term are met. Additional work terms should incorporate increased responsibility. For any period of work beyond 4 months for which there are no additional registrations, the student will lose co-op status and full-time standing at UVic.

Work Term Application and Registration
Students must be registered for the work term by completing the Work Term Registration Form. Students are expected to participate fully in the placement process. While every attempt will be made to ensure that all eligible students are placed, the Engineering and Computer Science/Math Co-op office is under no obligation to guarantee placement.

Students should be aware that they may be required to spend work terms outside the greater Victoria area.

The Engineering and Computer Science/Math Co-op Program reserves the right to approve any employer that provides placements for students and to withdraw a student from any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any withdrawal and can follow the student appeal procedures as outlined in the Co-operative Education Program section.

Students must be registered for the entire duration of the work term placement and, once registered, are not permitted to withdraw from the placement without penalty of failure, unless specific written permission has been granted by the Dean. Where permission is granted, an entry of WNF (Withdraw No Fault) will be entered on the transcript.
Work Term Assessment

Students are required to write a report for each four-month work term. The report is expected to be technical in nature, based on aspects of the work the student was involved in while on a work term and follow the guidelines as outlined on the Engineering and Computer Science/Math Co-op web site. Students must mail or hand-deliver a hard copy of the report directly to the Engineering and Computer Science/Math Co-op office. Work Term Reports are due by 4:00 pm on the 1st Friday of the academic term following the completion of a student’s work term. Reports mailed to the co-op office from out of town students must be post marked before the report due date. Due dates are e-mailed to students as a reminder one month prior to the end of each work term by the co-op office. Failing grades are submitted for work term reports not handed in by the due date.

Work term reports that are proprietary in nature are acceptable. Students should discuss these reports with their Coordinator to determine the regulations for these reports.

The requirements for a pass grade in a Co-op Work Term include:

- the employer's satisfactory final evaluation of the student,
- the satisfactory completion of a work term report as assessed by a Coordinator, a designated member of the Faculty of Engineering, or an approved marker as designated by the Engineering and Computer Science/Math Co-op Office and
- for BEng and BSENG students a log of the student’s work activities

Note: Receiving an unsatisfactory grade in either the final evaluation or work term report and/or not handing in the log (BEng and BSENG students) will result in a failing grade for the work term.

All work term report extension requests must be submitted in writing to the Program Manager, Engineering and Computer Science/Math Co-op at least 2 weeks prior to the due date. The requests will be individually assessed. Students must be advised that only valid reasons as outlined in the UVic Calendar (See Academic Concessions, page 35) will be accepted and extensions provided accordingly.

A grade of COM, F or N will be assigned to students at the completion of each work term; COM is the passing grade. Students should be aware that an N or F grade in a work term may result in a change in their university standing. 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. Students who fail a work term or have not completed a work term by the end of four academic terms may be required to withdraw.

An evaluation of the work term will be based on the student's performance of assigned work term tasks, as indicated in the employer's evaluation of the student, a written work term report evaluated by a designated member of the Engineering and Computer Science/Math Co-op Office or the Faculty of Engineering, and for BEng and BSENG students a log of the student's work activities in a form that conforms to the requirements for log books set out in the Faculty of Engineering guidelines.

The work performance of BSENG students will be assessed during and at the end of each continuous block of employment, with the formal work term credit assessment occurring at the end of each four-month aggregate of experience. BSENG students will submit a copy of their log-book at the end of each Work Term Module.

Co-op Program Fee

The university assesses a Co-op Program Fee for each work term, which is non-refundable, that is due in the first month of each work term and is subject to the University's general fee regulations. A fee is also assessed for work term challenges but no fee is assessed for work term transfer credits.

Status of Students on Work Terms

Students registered for work terms are considered to be enrolled in a full-time course of studies and may not take university-level credit courses without the permission of the Program Manager of the Engineering/CSC/Math Co-op program for BEng/BSENG and CSC/Math students.

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

Computer Science, Computer Science (Software Engineering Option), Computer Science (Bioinformatics Option), Computer Science/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.
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 ENGR 466 as part of their program, as well as courses above their engineering degree requirements which are specific to each program. The academic requirements for the MES Option are outlined in the calendar entry for each program. Credit for one work term will be given to students completing this option, due to the industrial exposure provided in ENGR 466.

Students who complete all requirements of a BEng or BSENG Program as well as all requirements of the MES Option will receive their degree in the appropriate Engineering specialization. Their transcripts will bear the designation “Mechatronics and Embedded Systems Option.” Students who fail to complete the requirements of the MES Option or elect not to enroll in this option, but otherwise complete all requirements of an Engineering program will receive their BEng or BSENG degree without this designation on their transcripts.

Courses taken in the MES Option will be included in the Faculty standing review of students in the BEng and BSENG programs.

**BEng and BSENG Technology Policy Option**

Five courses (at least 7.5 units) are required for this option and are normally offered from January to April. During years when they are not offered in this term, other classes will be substituted for the requirements. A current list of acceptable courses may be obtained from the BEng or BSENG Office. Elective courses may be taken to complement an interest in a focus area of Sustainability & Environmental Assessment, Technology, Ethics & Society, or Health Care & Social Medicine. Enrollment in the Technology Policy Option is limited and is based on the most recent sessional GPA before the start of the option and a one-page essay expressing your motivation. Students must apply for admission to the BEng or BSENG Office before registering in any of its courses. The application deadline is the start date of the Winter Session where the option is offered.

The Technology Policy Option consists of two required courses concerning the following subject areas:

- Introduction to Anthropology
- International Politics

Choice of two courses concerning the following subject areas:

- Introduction to Environmental Studies
- Biophysical Systems & the Human Environment
- Introduction to the Philosophy of Science
- Introduction to Social Problems

Choice of one course concerning the following suggested subject areas:

- Moral Problems of Contemporary Society
- Professional & Business Ethics
- Biomedical Ethics
- Philosophy and the Environment
- Environmental Economics
- Introduction to Resources
- Introduction to Political Theory
- Introduction to Comparative Politics
- Public Policy Analysis
- Canadian Public Policy
- Ancient Technology
- History of Technology
- Sociology of Health and Illness
- Environmental Sociology

Students who complete all requirements of a BEng or BSENG Program as well as all requirements of the Technology Policy Option will receive their BEng or BSENG degree in the appropriate Engineering specialization. Their transcripts will bear the designation “Technology Policy Option.”

Students who fail to complete the requirements of the Technology Policy Option or elect not to enroll in this option, but otherwise complete all requirements of an Engineering program will receive their BEng degree without this designation on their transcripts.

Courses in the Technology Policy Option are governed by the general University regulations and not by those pertaining to the BEng or BSENG Programs. All courses taken in the Technology Policy Option will count in the Faculty standing determination.

**Minors**

Minor degree programs are offered by all three departments within the Faculty of Engineering. The student should refer to the specific department entry for further details. A specific Minor in Software Engineering is not currently offered. Any UVic student who wishes to pursue a Minor in another discipline outside their program area may do so with the approval of that department/Faculty. Students should consult the appropriate advising centre for the development and approval of the minor. Access to courses outside the Faculty of Engineering is at the minor department’s discretion. Courses that fulfill requirements for a Minor cannot form part of the requirements for the degree and normally would be taken outside a student’s primary academic unit.

**Bachelor of Science Programs**

**ADMISSION REQUIREMENTS**

**Graduates of BC Secondary Schools**

Applicants from BC secondary schools who are seeking admission to the Faculty of Engineering to follow a BSc in Computer Science program should refer to the admission requirements on page 22.

**Graduates from Canadian Secondary Schools Outside BC**

Graduates of senior secondary schools in Canadian provinces other than British Columbia require equivalent qualifications to those specified as admission requirements for BC secondary school graduates (see page 22). Applicants are advised to contact Admission Services for further information regarding requirements.

**Transfers from Other Faculties**

A student in another faculty who wishes to transfer into a BSc program in the Faculty of Engineering must have been eligible for admission to the Faculty of Engineering when they applied to the University or have completed 6 units of courses including MATH 100 and CSC 110 while registered in another faculty of the University. A student in another faculty who has completed one or more sessions at the University must also have satisfactory standing as defined by the University at the time of transfer.

**Transfers from Other Institutions**

To be eligible for admission to a BSc program in the Faculty of Engineering on the basis of work completed at a college or another university, a student must be eligible for transfer credit for at least 12 units of courses and have at least a 60% average on their most recent work. The student must also have been eligible for admission to the Faculty of Engineering had they applied to the University directly from secondary school or have completed courses while registered in another college or university which are equivalent to CSC 110 and MATH 100.

**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 or the Major Program in Computer Science (Software Engineering Option) or Computer Science (Business Option), a student from outside the Faculty is registered in the Faculty of Engineering.

Credit for Courses Offered by Other Faculties or Institutions
All courses in other faculties are acceptable for use as elective credit for Major and Honours Programs in Computer Science, if the 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 77. Students already enrolled in a BSc degree program who plan to undertake work at another university must receive prior written approval from the Department of Computer Science if they wish such courses to be credited towards the BSc degree.

Students authorized to attend another university who accept a degree from that institution give up the right to a University of Victoria degree until they have satisfied the University’s requirements for a second bachelor's degree, page 39.

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 Faculties of Humanities, Science or Social Sciences.

Academic Regulations

Academic Performance
Students in a BSc degree program are subject to the University regulations on academic performance (see Standing, page 38). In addition, a student graduating from any program offered by the Department of Computer Science in the Faculty of Engineering must present 60 units of credit that:

• satisfy the degree requirements
• contain no more than eight D grades (a maximum of 12 units) in those courses that have been completed at the University of Victoria. If the same course has been satisfactorily completed more than once at UVic, then the highest grade obtained is used.

Graduation Standing
The graduation standing for students in a BSc Major Program is determined in accordance with University regulations (see Standing, page 38). The graduation standing for students in a BSc Honours Program is determined in accordance with the regulations described under Graduation Standing; Honours Program, page 86.

BSc Program Requirements

Requirements Common to All BSc Degrees
Each candidate for a BSc degree is required:

1. to have satisfied the University English requirement
2. to include in the first 15 units presented for the degree not more than 9 units in Computer Science and at least 3 units from each of two other departments within the Faculties of Engineering, Humanities, Science or Social Sciences
3. to include in the next 15 units presented for the degree at least 3 units from a department in the Faculties of Engineering, Humanities, Science or Social Sciences other than Computer Science
4. to include in the remaining units presented for the degree at least 21 units of courses numbered at the 300 or 400 level (this is a general University regulation); 18 of these units must be taken at UVic
5. to satisfy the requirements of a Major or Honours program in Computer Science as specified below
6. to present credit in a minimum of 60 units of university-level courses numbered 100 and above; at least 30 of these 60 units must normally be completed at UVic
7. to have the Department's approval for all courses selected for elective credit.

Interdepartment Program (BSENG) Requirements

Program Director: Hausi A. Müller, Dipl El Eng (ETH Zürich), MS, PhD (Rice), Professor

Manfred Bultmann, MA (Germany), Co-operative Education Coordinator

Belinda de Jong, BA (UVic), Administrative Officer

Marilee V. Garrett, BA (Brown), MSc (UVic), Co-operative Education Coordinator

LeAnne Golinsky, Admissions/Advising Officer

Kevin Jones, Programmer Analyst

Sue Ann Wagner, BSc (UVic), Programmer Analyst

The BSENG (Bachelor of Software Engineering) degree is offered jointly by the Department of Computer Science and the Department of Electrical and Computer Engineering. The Software Engineering Program Board is responsible for overseeing the quality and operation of the BSENG program. This board is chaired by the Associate Dean and has representation from both the Department of Computer Science and the Department of Electrical and Computer Engineering. The Program Director is responsible for the day-to-day leadership and administration of the program.

BSENG Academic Advice

Students wishing to obtain more information about the BSENG program should contact the Program Director. Students in the program may also find it helpful to discuss questions with the assigned faculty advisers in Computer Science and Electrical and Computer Engineering.

BSENG Co-op Requirements

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

Please refer to the Faculty of Engineering Co-operative Education Programs General Regulations, page 86.

BSENG Program Requirements

First Year

Term 1A
CSC 111 (1.5) Fundamentals of Programming with Engineering Applications
ENGR 0201 (1.5) Introduction to Professional Practice
MATH 100 (1.5) Calculus I
MATH 133 (1.5) Matrix Algebra for Engineers
MECH 141 (1.5) Engineering Fundamentals: I
PHYS 122 (1.5) Mechanics for Engineers

Term 1B
CHEM 150 (1.5) Introduction to Chemistry
CSC 115 (1.5) Fundamentals of Programming: II
ELEC 199 (1.0) Laboratory in Engineering Fundamentals
ENGL 115 (1.5) University Writing
or ENGL 135 (1.5) Reading and Writing Across Disciplines
MATH 101 (1.5) Calculus II
PHYS 125 (1.5) Fundamentals of Physics

Second Year

Term 2A
CSC 230 (1.5) Computer Architecture and Assembly Language
ELEC 255 (1.5) System Dynamics
ENGR 2402 (1.5) Technical Writing
MATH 122 (1.5) Logic and Foundations
SENG 265 (1.5) Software Development Methods
STAT 260 (1.5) Introduction to Probability and Statistics: I

Term 2B
CSC 225 (1.5) Algorithms and Data Structures: I
ELEC 310 (1.5) Digital Signal Processing: I
ENGR 280 (1.5) Engineering Economics
MATH 222 (1.5) Discrete and Combinatorial Mathematics
SENG 271 (1.5) Software Architecture and Systems
SENG 310 (1.5) Human Computer Interaction

Third Year

Term 3A
CSC 355 (1.5) Digital Logic and Computer Organization

2007-08 UVIC CALENDAR
The fourth year of the BSENG program includes five technical electives and one free elective. This allows each student to focus his or her studies into one or more areas of greatest interest. Students must choose the five technical electives from the BSENG core electives given in List I and List II below. To satisfy accreditation requirements, at least three of these courses must come from List I. The two remaining courses may be chosen from either of these lists. However, with written permission of the BSENG Program Director, most other courses with prefixes CSC, CENG and ELEC may also be used to satisfy this technical elective requirement. The sixth elective course may be selected at any level and from any Faculty, including the Faculty of Engineering, provided the student has the required prerequisites.

**Term 4A**

- **CSC 450 (1.5)** Computer Communications and Networks
- **or CENG 460 (1.5)** Computer Communication Networks
- **SENG 440 (1.5)** Embedded Systems
- **3 electives (4.5) From List I and/or List II**
- **Free elective (1.5) Taken from any faculty**

**Term 4B**

- **CSC 460 (1.5)** Design and Analysis of Real-Time Systems
- **or CENG 455 (1.5)** Real Time Computer Systems
- **ENGR 446 3 (1.5)** Technical Report
- **SENG 401 (1.5)** Social and Professional Issues
- **SENG 426 (1.5)** Software Quality Engineering
- **SENG 499 (1.5)** Technical Project
- **2 electives (3.0) From List I and/or List II**
  1. **ENGR 020** is offered in the September to December and January to April academic terms. First year students will normally complete ENGR 020 in the September to December academic term. Students entering third year via the Bridge Program will complete ENGR 020 in their first academic term (January-April).
  2. Students must successfully complete the University English requirements and ENGR 240 before undertaking their fifth Work Term Module (second Work Term for BENG students).
  3. All BSENG students must register in ENGR 446 (Technical Report) in the term preceding their final term of their program (academic or work term).

**BSENG 4th Year Technical Electives**

**BSENG Electives List I**

- **CSC 461** Multimedia Systems
- **CSC 462** Distributed Computing
- **CSC 450** Computer Systems and Architecture
- **CENG 453** Introduction to Parallel and Cluster Computing
- **ELEC 426** Robotics
- **ELEC 466** System-on-Chip Engineering for Signal Processing
- **MECH 466** Microelectromechanical Systems
- **SENG 422** Software Architecture
- **SENG 450** Network-centric Computing
- **SENG 454** Component Based Software Engineering
- **SENG 466** Software for Embedded and Mechatronics Systems

**BSENG Electives List II**

- **CSC 305** Introduction to Computer Graphics
- **CSC 326** Algorithms and Data Structures II
- **CSC 330** Programming Languages
- **CSC 340** Numerical Methods
- **CSC 425** Analysis of Algorithms
- **CSC 435** Compiler Construction
- **CSC 445** Microelectromechanical Systems
- **CSC 446** Operations Research: Linear Programming
- **CSC 454** Fault-Tolerant Computing
- **CSC 464** Concurrency
- **CENG 419** Artificial Intelligence
- **CENG 461** Analysis and Design of Computer Communications Networks
- **ELEC 407** Digital Signal Processing: II
- **ELEC 485** Pattern Recognition
- **SENG 330** Object-Oriented Software Development
- **SENG 410** Media Applications
- **or CSC 461** Multimedia Systems
- **SENG 412** Ergonomics
- **SENG 424** System Reliability
- **SENG 435** Computer Supported Collaborative Work
- **SENG 462** Distributed Systems and the Internet
- **or CSC 462** Distributed Computing
- **SENG 470** Management of Software Development
- **SENG 472** Software Process
- **SENG 474** Data Mining
- **SENG 480** Topics in Software Engineering
- **SENG 490** Directed Studies
- **SENG 499** Technical Project (to allow for two-term projects)

**BSENG 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
- • BIOL 102
- • CHEM 102
- • EOS 110 or GEOG 110, EOS 120 or GEOG 120
- • PHYS 210, PHYS 216, PHYS 220

**BSENG 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:

- **ENGR 466** Integrated Mechatronics and Embedded Systems Project
- **MECH 486** Sensors and Actuators for Mechatronics Systems
- **SENG 466** Software for Embedded and Mechatronics Systems

and one of the following two courses:

- **ELEC 466** System-on-Chip Engineering for Signal Processing
- **MECH 466** Microelectromechanical Systems

Note that ELEC 466 and MECH 466 can be taken as an Elective List I course.

Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

Credit for one work term 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 83 for Terms 1A, 1B, 2A, 2B, 3A, 3B and electives.

**Term 3B/4A**

- **CENG 455** Real Time Computer Systems
- **or CSC 460** Design and Analysis of Real-Time Systems
- **MECH 486** Sensors and Actuators for Mechatronics Systems
- **Free elective (1.5) taken from any faculty**
- **Two electives (3.0) from List I and/or List II**
Term 4A
CENG 460  Computer Communication Networks
or CSC 450  Computer Communications and Networks
ENGR 466 (3.0)  Integrated Mechatronics and Embedded Systems Project
ELEC 466  System-on-Chip Engineering for Signal Processing
or MECH 466  Microelectromechanical Systems
SENG 440  Embedded Systems
One elective (1.5) from List I and/or List II

Term 4B
ENGR 446 (1.5)  Technical Report
SENG 401  Media Applications
SENG 426  Software Quality Engineering
SENG 466  Software for Embedded and Mechatronics Systems
Three electives (4.5) from List I and/or List II

1. All BSENG students must register in ENGR 446 (Technical Report) in the term preceding their final term of their program (academic or work term).

Department of Computer Science

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John A. Ellis, BSc, MSc (Lond), MS (Ill Inst of Tech), PhD (Northw), Professor Emeritus
Daniel M. Hoffman, BA (SUNY), MS, PhD (Northw), D Phil (Sus), PEng, Professor Emeritus
Nigel Horvoll, BA (Canat), MSc, PhD (Tor), Professor
Valerie King, AB (Prin), JD, PhD (Calif, Berk), Professor
Eric G. Manning, BSc, MSc (Wat), PhD (Ill), FIEEE, FEng, Professor Emeritus
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Maarten van Emden, MSc (T. H. Delft), MSc (Amsterdam), Professor Emeritus
William W. Wadge, BA (Brit Col), PhD (Calif, Berk), Professor
Brian Wyvill, BSc (London), PhD (Bradford), Professor and Canada Research Chair in Computer Graphics (Tier 1)
Bruce Kapron, BMath (Wat), MSc (Simon Fraser), PhD (Tor), Associate Professor
Frank D.K. Roberts, MA (Canat), MSc, PhD (Liv), Associate Professor
Margaret-Anne Storey, BSc (UVic), PhD (Simon Fraser), Associate Professor and Canada Research Chair in Human Computer Interaction for Software (Tier 2)
Jens H. Weber, Dr Med Nat (Paderborn), Associate Professor
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Daniela E. Damian, BSc (Babes-Bolyai U of Cluj-Napoca), MSc (Calgary), PhD (Calgary), Assistant Professor
Sudhakar N.M. Ganti, BTech (JNTU), MTech (IIT), PhD (U of Ottawa), Assistant Professor
Daniel M. German, BS (UIPIICS/APIP), MSc (Coll of William and Mary), PhD (Wat), Assistant Professor
Amy Gooch, BSc, MSc (Utah), PhD (Northwestern), Assistant Professor
Bruce Gooch, BSc, MSc, PhD (Utah), Assistant Professor
Jiaping Pan, BE, PhD (Southeast Univ., Nanjing), Assistant Professor
Venkatesh Srinivasan, BE, MSc (Birla Inst. of Technology), PhD (Tata Inst. of Fundamental Research), Assistant Professor and Canada Research Chair in Complexity of Computing (Tier 2)
Ulrike Stege, Dipl Math (Albert-Ludwigs-Universität Freiburg), PhD (ETH Zürich), Assistant Professor
Alex Thomo, BSc (U of Piraeus), MSc, PhD (Concordia) Assistant Professor
Melanie Tory, BSc (UBC), MSc, PhD (SFU), Assistant Professor
George Tzanetakis, BSE (U of Crete), MA, PhD (Princeton), Assistant Professor
Kai Wu, BSc, MEng (Wuhan), PhD (Alberta), Assistant Professor
Jason Corless, BSc, MSc (UVic), Senior Instructor
LiliAnne Jackson, BSc (Alberta), MSc (Lethbridge), Senior Instructor
Mary Sanseverino, BSc, MSc (UVic), Senior Instructor
Michael Zastro, BSc (SFU), MSc, PhD (UVic), Senior Instructor and Director of Undergraduate Studies
Jillian Aschenbrenner, Programmer Analyst
Marguerite E. Casey, BSc, MEd (UVic), Cooperative Education Coordinator (Engineering & Computer Science/Math Co-op)
Bette Bultena, BSc, MSc (UVic), Senior Laboratory Instructor
Susan Fiddler, BMath (UVic), Placement Coordinator, Cooperative Education Co-ordinator (Engineering & Computer Science/Math Co-op)
William F. Gorman, BA (Queen's), Laboratory Instructor
Jane Gay, BSc (London), MSc (Zimbabwe), Academic Advisor
Victoria Li, BSc (Wuhan), MSc (Simon Fraser),
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.

Students wishing to complete a combined degree program in Visual Arts and Computer Science will normally register in the Faculty of Fine Arts.

Since students wishing to complete a combined degree program in Music and Computer Science are admitted into this program in the Faculty of Fine Arts at the end of first year, applicants will normally register in first year in one of the following faculties/programs for which they meet the admission requirements: Humanities, Science, Social Sciences, Engineering or Fine Arts.

Students wishing to complete a combined degree program in Psychology and Computer Science, or Geography and Computer Science will normally register in the Faculty of Social Sciences.

The Department also offers the following General degree programs:
- BSc General in Computer Science
- BA General in Computer Science

Students wishing to complete a General degree in Computer Science will normally register in the faculty offering the second specialization area of their General degree in their first year.

Students may also complete a Minor in Computer Science.

Computer Science Co-operative Education Programs
Please refer to the Faculty of Engineering Co-operative Education Programs General Regulations, page 80.

Computer Science/Mathematics Work Experience Program
Please refer to the Faculty of Engineering Co-operative Education Programs General Regulations, page 80.

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 Centre. Students planning to complete a Major Program in Computer Science (Business Option) should consult the Computer Science Co-operative Education Advising Office before the completion of their first term of studies.

Students from outside British Columbia and students transferring from other post-secondary institutions must consult the Department before enrolling in any Computer Science course.

Availability of Courses to Students in Other Faculties
All undergraduate courses offered by the Department of Computer Science may be taken by students in the Faculties of Humanities, Social Sciences and Science for credit towards a degree in those faculties.

English Requirement
Students taking a Major, Honours or combined degree program in Computer Science (except for a combined degree with Visual Arts, or a combined degree with Music) take ENGL 115 or 135. The level attained in the Language Proficiency Index (LPI) will determine which course should be taken. Please refer to the Language Proficiency Index, page 31, 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.

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
- 150 or 151
- 370 or 470
- 425 or 457
- 448A or 449
- 448B or 449

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 on page 82).

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 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.

BSc Honours: Course Requirements

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Code</th>
<th>Minimum Units</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>CSC 110, 115, 212</td>
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<td></td>
<td>MATH 100, 101, 122</td>
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</tr>
<tr>
<td></td>
<td>ENGL 115 or 135</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>4.5</td>
</tr>
<tr>
<td></td>
<td>SENG 265</td>
<td>3.0</td>
</tr>
<tr>
<td>2</td>
<td>CSC 225 and 230</td>
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</tr>
<tr>
<td></td>
<td>SENG 265</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>MATH 200 and 201, 202 and 233C</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>MATH 222 and 233A</td>
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</tr>
<tr>
<td></td>
<td>Electives</td>
<td>3.0</td>
</tr>
<tr>
<td>3</td>
<td>CSC 320, 330, 355, 360, 370</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td>CSC 322 or 326</td>
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<tr>
<td></td>
<td>SENG 321</td>
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<tr>
<td></td>
<td>STAT 2602</td>
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</tr>
<tr>
<td></td>
<td>Electives</td>
<td>1.5</td>
</tr>
</tbody>
</table>
**BSc Major: Course Requirements**

**Year 1**
- CSC 110, 115, 212 .................................................. 4.5
- MATH 100, 101, 122 .................................................. 4.5
- ENGL 115 or 135 ..................................................... 1.5
- Electives .................................................................. 6.0

**Year 2**
- CSC 225, 230 ........................................................... 3.0
- SENG 265 ................................................................ 1.5
- MATH 201 or 202 ...................................................... 1.5
- MATH 222, 233A ....................................................... 3.0
- ENGR 2401 ............................................................... 1.5
- Electives .................................................................. 4.5

**Year 3**
- CSC 320, 330, 355, 360, 370 ..................................... 7.5
- CSC 340 or 349A ....................................................... 1.5
- STAT 2602 ................................................................ 1.5
- Other courses3 .......................................................... 4.5

**Year 4**
- 4.5 units of CSC at the 400 level4 ............................... 4.5
- Other courses3 .......................................................... 10.5
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.

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 305 Introduction to 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 431 Requirements Engineering and Formal Specifications
- SENG 433 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 Collaborative Work

  **E2: Software Management**
  - CSC 375 Introduction to Systems Analysis

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| 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 .................................................................. 4.5

**Year 2**
- CSC 225, 230 ........................................................... 3.0
- SENG 265 ................................................................ 1.5
- MATH 201 or 202 ...................................................... 1.5
- MATH 222, 233A ....................................................... 3.0
- ENGR 2401 ............................................................... 1.5
- STAT 2602 ................................................................ 1.5
- Electives .................................................................. 3.0

**Year 3**
- CSC 320, 330, 355, 360, 370 ..................................... 7.5
- CSC 340 or 349A ....................................................... 1.5
- 4.5 units from SENG 310, 321, 330, 371 .............. 4.5
- Elective .................................................................... 1.5

**Year 4**
- SENG 401 ................................................................. 1.5
- 6.0 units of SENG courses at the 400 level .......... 6.0
- Other Courses .......................................................... 7.5
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.
## Major in Computer Science (Business Option)

This program is intended for students who wish to supplement studies in Computer Science with studies in Business. Entry to the program is limited. Students must be admitted to the program before registering in any Business courses. This is a mandatory Co-op program. Information on eligibility and application to the program is available from the Computer Science Co-op Advising Office.

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Code(s)</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CSC 110, 115, 212</td>
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</tr>
<tr>
<td></td>
<td>ENGL 115 or 135</td>
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</tr>
<tr>
<td></td>
<td>ENGR 240</td>
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</tr>
<tr>
<td></td>
<td>MATH 100, 101, 122</td>
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</tr>
<tr>
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<td>MATH 133 or 233A</td>
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<tr>
<td></td>
<td>Elective</td>
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<td><strong>Year 2</strong></td>
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<tr>
<td></td>
<td>CSC 225, 230</td>
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<tr>
<td></td>
<td>SENG 265</td>
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<td>MATH 200, 201, 222</td>
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<td></td>
<td>ELEC 250, 260</td>
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<td>STAT 260</td>
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<td><strong>Year 3</strong></td>
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<td></td>
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<tr>
<td></td>
<td>CSC 320, 330, 355, 360</td>
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<tr>
<td></td>
<td>CSC 340 or 349A</td>
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<td><strong>Year 4</strong></td>
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<td>CSC 370, 460</td>
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<td>SENG 460</td>
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</tr>
<tr>
<td></td>
<td>Electives</td>
<td>4.5</td>
</tr>
</tbody>
</table>

1. ENGL 225 can be substituted for ENGR 240.
2. A Co-op work term in the area of Bioinformatics, plus 1.5 units of CSC at the 400 level can replace CSC 498.
3. These other courses must include 3 units of CSC at the 400 level and 1.5 units of SENG at the 400 level.

## Combined Programs in Computer Science and Mathematics, and Computer Science and Statistics

For a Combined BSc degree in Computer Science and Mathematics, or Computer Science and Statistics, students may take a Major or Honours Program. These programs are not joint degrees in Computer Science and Mathematics, but a single degree program composed of a selected combination of courses from each of the departments. Students opting for any of these combined programs are registered in the Faculty of Science and must contact the Computer Science and Mathematics and Statistics departments.

Each student will be assigned an adviser from each of these departments. Students considering proceeding to graduate work in Computer Science, Mathematics or Statistics must consult with their advisers prior to making their final choice of courses.

Students planning to complete one of the Combined Major or Honours Programs in Computer Science and Mathematics or Computer Science and Statistics normally register in the Faculty of Science.

## Admission to the Combined Programs in Computer Science and Mathematics or Computer Science and Statistics

Students who wish to be admitted to one of the Combined Honours Programs should apply in writing to the Honours Advisers of both departments on completion of their second year. Normally a student will be admitted to the Combined Honours program only if the student has:

1. completed CSC 110, 115, 212, 225, 230, and SENG 265
2. completed at least 10.5 units of the Mathematics and Statistics courses required for the degree
3. attained a grade of at least B+ in all 200-level Computer Science and SENG courses
4. attained a GPA of at least 6.5 in all 200-level Mathematics and Statistics courses

Students may also be admitted to one of the Combined Honours Programs upon completion of their third year providing they have:
1. completed all of the 100-level and 200-level courses required for the relevant Combined Honours degree with a Grade Point Average of at least 6.0 in these courses
2. completed at least 4.5 units of 300-level courses in Computer Science (including CSC 320 and 349A) and 4.5 units in Mathematics and Statistics (including MA TH 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 |
| Year 2 | CSC 225, 230, SENG 265 | 4.5 |
| Year 3 | CSC 320, 326, 349A, 349B | 6.0 |
| Year 4 | Electives | 4.5 |

**BSc Major: Combined Program in Computer Science and Mathematics**

| Year 1 | CSC 110, 115, 212 | 4.5 |
| Year 2 | CSC 225, 230, SENG 265 | 4.5 |

**Year 3**

| CSC 320, 326, 349A, 349B | 6.0 |
| One of MA TH 322, 333C | 1.5 |
| STAT 261 | 1.5 |
| Other Courses | 1.5 |

**Year 4**

| Other Courses | 15.0 |
| 1. ENGL 225 can be substituted for ENGR 240. |
| 2. STAT 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, with at least 6 of these units at the 400 level. These 9 units may also include CENG 420 and a maximum of two SENG courses with at least one at the 400 level. In selecting these courses, students must take at least 3 of these units in each of the two departments. |
| 4. These 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 |
| Year 2 | CSC 225, 230, SENG 265 | 4.5 |
| Year 3 | CSC 320, 326, 349A, 349B | 6.0 |
| Year 4 | Electives | 4.5 |

**BSc Major: Combined Program in Computer Science and Statistics**

| Year 1 | CSC 110, 115, 212 | 4.5 |
| Year 2 | CSC 225, 230, SENG 265 | 4.5 |

**Combined Programs in Physics and Computer Science**

In first year, the student will begin the program with either Physics 120/220 or 112, as shown in sequences A and B below. Sequence A is intended for students who have attained at least a B standing in each of Physics 12 and Mathematics 12. Those with less than a B standing take sequence B. The sequence in third and fourth year is determined by the program selected. Admission to the third and fourth years of the Honours Program requires permission of both Departments.

**First- and Second-year Courses: Sequence A**

| Year 1 | PHYS 120, 220 | 3.0 |
| Year 2 | PHYS 214, 215, 216 | 4.5 |
| Year 3 | CSC 110, 115, 212 | 4.5 |
| Year 4 | Electives | 1.5 |

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| STAT 260, 261 | 3.0 |
| ENGR 240 | 1.5 |

**Year 3**

| CSC 320, 326, 349A, 349B | 6.0 |
| MA TH 222 | 1.5 |
| STAT 350, 353 | 3.0 |

| Other Courses | 4.5 |
| 1. ENGL 225 can be substituted for ENGR 240. |
| 2. These 15 units of other courses must include at least 3 units of Computer Science at the 400 level and at least 4.5 additional units of Computer Science, Mathematics, or Statistics at the 300 level or higher. In selecting these latter 4.5 units, students are encouraged to take at least one course from each of the two Departments. CENG 420 and a maximum of two SENG courses with at least one at the 400 level may be substituted for these Computer Science courses. |
| 3. STAT 454 can be taken more than once in different topics. |

**Year 4**

| Three of STAT 354, 355, 357, 450, 453, 454, 455, 456, 457, 458, 459 | 4.5 |
| Other Courses | 10.5 |

| 1. ENGL 225 can be substituted for ENGR 240. |
| 2. These 15 units of other courses must include at least 3 units of Computer Science at the 400 level and at least 4.5 additional units of Computer Science, Mathematics, or Statistics at the 300 level or higher. In selecting these latter 4.5 units, students are encouraged to take at least one course from each of the two Departments. CENG 420 and a maximum of two SENG courses with at least one at the 400 level may be substituted for these Computer Science courses. |
| 3. STAT 454 can be taken more than once in different topics. |

**Combined Programs in Physics and Statistics**

| Year 1 | PHYS 112 | 3.0 |
| Year 2 | PHYS 214, 215, 216 | 4.5 |
| Year 3 | CSC 110, 115, 212 | 4.5 |
### Year 1

<table>
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</thead>
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<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>Elective(^a)</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

### Year 2

<table>
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<th>Course</th>
<th>Units</th>
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</thead>
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<td>HINF 100, 200, 280</td>
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<tr>
<td>1 HINF course at the 200 level</td>
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</tr>
<tr>
<td>MATH 222</td>
<td>1.5</td>
</tr>
<tr>
<td>STAT 255 or 260</td>
<td>1.5</td>
</tr>
<tr>
<td>CSC 225, 230</td>
<td>3.0</td>
</tr>
<tr>
<td>SENG 265</td>
<td>1.5</td>
</tr>
<tr>
<td>ENGR 240</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

### Year 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 HINF courses at the 300 level</td>
<td>4.5</td>
</tr>
<tr>
<td>CSC 375</td>
<td>1.5</td>
</tr>
<tr>
<td>2 of CSC 320, 321, 355, 360, SENG 321</td>
<td>3.0</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>

### Year 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 HINF courses at the 400 level</td>
<td>3.0</td>
</tr>
<tr>
<td>3 CSC courses at the 400 level(^2)</td>
<td>4.5</td>
</tr>
<tr>
<td>Other courses(^3)</td>
<td>7.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18.0</strong></td>
</tr>
</tbody>
</table>

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 other courses must be at the 300 level or higher, and must include at least 3 units chosen from Health Information Science, Computer Science or SENG.

### Combined Major 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.

### Combined Major Program in Health Information Science and Computer Science

Enrollment in this program is limited. Students must contact the School of Health Information Science or the Department of Computer Science before registering in any courses. This is a mandatory Co-op program. Students with a previous degree in Computer Science or a related degree are not eligible for this combined program (see page 26). Students who have failed a work term or do not maintain a GPA of 3.5 or better in each academic term will normally be required to withdraw from the School for at least one calendar year. This is a full-time program only.
- 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:
   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 BSc Major Degree. The Geomatics program is aimed at students whose interests span the fields of cartography, computer science, geographic information systems, remote sensing, spatial analysis and surveying.

Students intending to pursue this combined program must consult the Undergraduate Adviser in either Geography or Computer Science after completing all of the first-year requirements.

**Geography and Computer Science (Geomatics) Program Requirements**

**Year 1**
- CSC 110, 115, 212 ................................................... 4.5
- ENGL 115 or 135 .................................................... 1.5
- GEOG 101A, 101B .................................................. 3.0
- MATH 100 and 101, or MATH 102 and 151 .......... 3.0
- MATH 122 .................................................................. 1.5
- Elective .................................................................. 1.5

**Year 2**
- CSC 225, 230 .......................................................... 3.0
- ENGR 240 ............................................................... 1.5
- GEOG 222, 226, 228 ............................................. 4.5
- SENG 265 ............................................................... 1.5
- Electives1 ............................................................... 4.5

**Year 3**
- CSC 360, 370 ........................................................ 3.0
- GEOG 319 or 322 .................................................. 3.0
- GEOG 328 or 329 .................................................. 3.0
- GEOG 323, 325 ..................................................... 3.0
- SENG 310 ............................................................. 1.5
- 1.5 units of CSC at the 300 level ......................... 1.5
- Electives1 ............................................................. 3.0

**Year 4**
- GEOG 422, 428 ..................................................... 3.0
- CSC 305 or 426 ..................................................... 3.0
- Two of GEOG 413, 414, 418, 420 ..................... 3.0
- 3.0 units of CSC at the 400 level1 .......................... 3.0
- Electives1 ............................................................. 4.5

1. ENGL 225 can be substituted for ENGR 240.
2. Students interested in remote sensing wishing to advance to GEOG 422 are encouraged to take both GEOG 319 and GEOG 322.
3. CSC 305 requires MATH 233A as prerequisite.
4. These 3 units of CSC courses at the 400 level may include CENG 420 and/or 1.5 units of SENG at the 400 level.

**Combined Major 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. Students are admitted to the program at the end of first year.

**Year 1**
- MUS 101A, 101B .................................................. 3.0
- MUS 105 ............................................................. 2.0
- MUS 170 ............................................................. 1.0
- MUS 207 ............................................................. 1.5
- MATH 100, 101, 122 ............................................. 4.5
- CSC 110, 115 ..................................................... 3.0
- Total .................................................................... 15.0

**Year 2**
- MUS 115 ............................................................. 3.0
- MUS 180 or MUS 270 ........................................... 1.0
- MUS 201A, 201B ................................................. 3.0
- CSC 225, 230 ..................................................... 3.0
- MATH 233A ........................................................ 1.5
- SENG 265 .......................................................... 1.5
- ELEC 255 .......................................................... 1.5
- Electives1 .......................................................... 1.5
- Total .................................................................... 16.0

**Year 3**
- ELEC 310 .......................................................... 1.5
- Three of: CSC 330, 335, 360, 370, SENG 330, ELEC 4072 .......... 4.5
- SENG 310 .......................................................... 1.5
- Elective .................................................................. 1.5
- Total .................................................................... 15.0

**Year 4**
- MUS 406A and 406B, or 407 .................................. 3.0
- One MUS at the 300/400 level ............................... 1.5
- MUS 401C ........................................................... 1.5
- ELEC 4843 ......................................................... 1.5
- CSC 450, or CSC 460, or ELEC 4599 ..................... 1.5
- Two CSC at the 400 level4 .................................... 3.0
- Electives7 .......................................................... 3.0
- Total .................................................................... 15.0

1. Students who are not exempt from the Undergraduate English requirement, page 29 should choose 1.5 units of first-year English.
2. ELEC 407 and 484 are only offered in the summer term.
3. CSC 450 requires CSC 355 and 360 as prerequisites.
4. CSC 460 requires CSC 355 and 360 and either SENG 321 or 365 as prerequisites. ELEC 459 requires ELEC 407 as prerequisite.

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**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 sets 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
- Total .................................................................... 9.0

**Year 2**
- CSC 212, 225, 230 ............................................. 3.0
- SENG 265 .......................................................... 1.5
- STAT 252 or 254 or 255 or 260 or ECON 246 ................. 1.5
- Total .................................................................... 7.5

**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.
Department of Electrical and Computer Engineering

Panamit Agathoklis, DiplEng, Dr Sc Tech (Swiss Fed Inst of Tech), FEIE, PEng, Professor

Andreas Antoniou, BSc, PhD (Lond), Doctor Honoris Causa (Metsovio, Greece), FIEEE, FIEE, PEng, CEng, Professor Emeritus

Ashok K.S. Bhat, BSc (Mys), BE, ME (Indian Inst of Sci), MSc, PhD (Maryland), FEIC, Professor and Lansdowne Chair in Computer Engineering

Jens Bønnemann, Ing (Hamburg), Dipl-Ing, Dr-Ing (Bremen), FIEE, PEng, Professor and Graduate Adviser

Thomas E. Darcie, BSc (Wat), MSc, PhD (Tor), FIEEE, Professor and Canada Research Chair in Optical Systems for Communications, Imaging and Sensing (Tier 1)

Nikitas J. Dimopoulos, BSc (National and Kapodistrian U of Athens), MSc, PhD (Maryland), FEIC, Professor

Peter E. Driessen, BSc, PhD (Brit Col), PEng, Professor

Fayez Gebali, BSc (Cairo), BSc (Ain Shams), PhD (Brit Col), PEng, Professor

T. Aaron Gulliver, BSc (New Brunswick), PhD (UVic), PEng, Professor

Wolfgang J.R. Hofer, Dipl-Ing (Aachen), Dr-Ing (Grenoble), FIEE, FRSC, PEng, Professor Emeritus

R. Lynn Kirlin, BS, MS (Wyo), PhD (Utah State), FIEEE, PEng, Professor Emeritus

Harry H. L. Kwock, BSc (Calif, LA), PhD (Stan), PEng, Professor

Wu-Sheng Lu, BSc (Fudan), MSc (E China Normal), MSc, PhD (Minn), FIEEE, FEIC, Professor Emeritus

Eric G. Manning, BSc, MSc, PhD (Wat), MSc (Ill), FIEEE, FEIC, PEng, Professor Emeritus

Maria A. Stuchly, BSc, MSc, PhD (Bremen), FIEEE, PEng, Professor Emeritus

Adam Zielinski, BEng, MSc, PhD (Wrocław), PEng, Professor and Electrical Engineering Program Director

Kin Fun Li, BEng (Concordia), MBA (UVic), PhD (Concordia), PEng, Associate Professor

Warren D. Little, BSc, MSc, PhD (Brit Col), PEng, Associate Professor Emeritus

Subhasis Nandi, BEng (Jadavpur), MEng (Indian Inst of Sci), PhD (Texas A&M), Associate Professor

Issa Traoré, Aircraft Engineer (Ecole de l'Air, Salon de Provence), MEng in Aeronautics and Space Techniques, MEng in Automatics and Computer Engineering (Ecole Nationale Supérieure de l’Aéronautique et de l’Espace, Toulouse), PhD (Institut National Polytechnique, Toulouse), Associate Professor and Computer Engineering Program Director

Michael D. Adams, BSc (Wat), MSc (UVic), PhD (Brit Col), PEng, Assistant Professor

Amirali Baniasadi, BS (Tehran), MS (Sharif), PhD (Northwestern), Assistant Professor

Alexandra Branzan Albu, BSc, MSc, PhD (Bucharest), Assistant Professor

Lin Cai, BEng (Nanning), MSc, PhD (Wat), Assistant Professor

Xiaodai Dong, BSc (Xian Jiaotong), MSc (Nat’l U of Singapore), PhD (Queen’s), Assistant Professor

Reuven Gordon, BASc, MASc, PhD (Tor), Assistant Professor

Ahmed E. Hassan, BMath, MMath, PhD (Wat), Assistant Professor

Michael L. McGuire, BEng, MASc (UVic), PhD (Tor), Assistant Professor

Stephen W. Neville, BEng, MASc, PhD (UVic), Assistant Professor

Christo Papadopoulos, BSc, MASc, PhD (Brown), Assistant Professor and Canada Research Chair in Nanotechnology (Tier 2)

Daler N. Rakhmatov, BSc (Rochester), MSc, PhD (Arizona), Assistant Professor

Mihai Sima, MSc, PhD (Bucharest), PhD (Delft), Assistant Professor

Pomam P. So, BSc (Tor), BASc, MSc (Ott), PhD (UVic), Assistant Professor

Hong-Chuan Yang, BE (Jilin), MSc in Applied Mathematics, MSc in Electrical Engineering, PhD (Minn), Assistant Professor

Stephen C. Campbell, DiplIndusInst, DipElecTech, Senior Programmer Analyst

Duncan S. Hogg, BSc, MSc (UVic), Programmer Analyst

Erik M. Laxdal, BEng, MASc (UVic), Programmer Analyst

Mary-Anne Tox, BSc, MBA (UVic), Administrative Officer

Christine N. Weyenberg, Advising Assistant

VISITING, ADJUNCT AND CROSS-LISTED APPOINTMENTS:

Masataji I.H. Abd-El-Barr, BSc, MSc, PhD (Cairo), PhD (Tor), Adjunct Professor (2005-08)

Christopher J. Atkins, MBBS, FRCP (Lond), FRCP (Can), Adjunct Professor (2004-07)

Vijay K. Bhargava, BSc (Rajasthan), BSc, MSc, PhD (Queen’s), FIEEE, FEIC, FRSC, FCAE, PEng, Adjunct Professor (2005-08)

Leonard Bruton, BSc (Lond), MEng (Carleton), PhD (Newcastle Upon Tyne), FRSC, FIEEE, PEng, Adjunct Professor (2005-08)

Jeremiah E. Hayes, BEE (Manhattan Coll), MS (NYU), PhD (Calif, Berk), FIEEE, Adjunct Professor (2005-08)

Hari C. Reddy, BE (Sri Venkateswara), ME (Baroda), PhD (Osmania), Adjunct Professor (2004-07)

Dale J. Shpak, BSc, MEng (Calg), PhD (UVic), PEng, Adjunct Professor (2005-08)

Esam Abdel-Raheem, BSc, MSc (Ain Shams), PhD (UVic), Adjunct Associate Professor (2006-09)

Smair Amari, DES (Constantine), MSEE, PhD (Wash U), Adjunct Associate Professor (2004-07)

Andrew Truman, BSc (East Lond), PhD (Southampton), Adjunct Assistant Professor (2004-07)

George Tsanetakis, BSE (Crete), MA, PhD (Princeton), Adjunct Assistant Professor (2006-08)

Hao Zhang, BSc in Electronics Engg, BSc in Industrial Mgmt (Shanghai Jiaotong), MBA (New York Inst of Tech), PhD (UVic), Adjunct Assistant Professor (2004-07)

PROGRAMS IN ELECTRICAL AND COMPUTER ENGINEERING

Undergraduate Programs

The Department of Electrical and Computer Engineering offers programs leading to the BEng degree in Electrical Engineering, the BEng degree in Computer Engineering and, jointly with the Department of Computer Science, the 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 accreditable 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 four specializations: electronics, communications, digital signal processing, and electromagnetics and photonics. 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), page 93, or BEng in Computer Engineering (Computer Music Option), page 94.

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 81.

**Mechatronics and Embedded Systems Option**
The Faculty of Engineering offers a Mechatronics and Embedded Systems (MES) Option. For further details, see BEng Mechatronics and Embedded Systems (MES) Option. The requirements for the MES option for Electrical Engineering or Computer Engineering students are given here.

**Physics Option**
For details of the Physics Option, see BEng in Electrical Engineering (Physics Option), page 93.

**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 addition to any undergraduate requirements and thus can be transferred to the MAsc or MEng degree program. All of the admission and transfer credit regulations of the Faculty of Graduate Studies must be met. For more information, please contact the Chair or the Graduate Adviser of the Department.

**Graduate Programs**
For information on studies leading to the MEng, MAsc and PhD degrees, see the UVic Graduate Calendar.

**PROGRAM REQUIREMENTS**

**BEng Program In Electrical Engineering**
The BEng program in Electrical Engineering requires completion of the BEng Core (see page 79), the Electrical Engineering Core, one of four Specializations (or a total of three compulsory courses from any of the four Specializations) and the required number of elective courses.

**Electrical Engineering Core**
- CENG 241: Digital Design: I
- CENG 255: Introduction to Computer Architecture
- CENG 355: Microprocessor-Based Systems
- ELEC 200: Engineering Graphics
- ELEC 220: Electrical Properties of Materials
- ELEC 260: Signal Analysis
- ELEC 300: Linear Circuits: II
- ELEC 310: Digital Signal Processing: I
- ELEC 320: Electronic Devices: I
- ELEC 330: Electronic Circuits: I
- ELEC 340: Electromagnetic Field Theory
- ELEC 350: Communications Theory and Systems: I
- ELEC 360: Control Theory and Systems: II
- ELEC 370: Electromechanical Energy Conversion
- ELEC 380: Electronic Circuits: II
- ELEC 395: Seminar
- ELEC 499: Design Project
- MECH 295: Engineering Fundamentals: II

**Electrical Engineering Specializations**

**Electronics**
- ELEC 410: Power Electronics
- ELEC 412: Electronic Devices: II
- CENG 441: Design of Digital and VLSI Systems

**Communications**
- ELEC 404: Microwaves and Fiber Optics
- ELEC 450: Communications Theory and Systems: II
- ELEC 456: Mobile Communications

**Digital Signal Processing**
- ELEC 403: Engineering Design by Optimization
- ELEC 407: Digital Signal Processing: II
- ELEC 459: Digital Signal Processing: III

**Electromagnetics and Photonics**
- ELEC 404: Microwaves and Fiber Optics
- ELEC 452: Fiber Optic Technology
- ELEC 453: Antennas and Propagation

**BEng Program in Electrical Engineering (Computer Music Option)**
In addition to the Electrical Engineering Core, Specialization courses and electives, the Computer Music Option requires completion of the following courses:
- MUS 306: Recording Techniques
- MUS 307: Introduction to Computer Music
- Plus 3 courses (4.5 units) from the following list:
  - CSC 484A: Music Information Retrieval
  - ELEC 484: Audio Signal Processing
  - MUS 401C: Acoustics
  - MUS 406A: Advanced Sound Recording Techniques
  - MUS 406B: Sound Recording Seminar
  - MUS 407: Computer Music Seminar

**BEng Program in Electrical Engineering (Mechatronics and Embedded Systems Option)**
In addition to the Electrical Engineering Core, Specialization courses and electives, the Mechatronics and Embedded Systems Option requires completion of an additional 7.5 units of courses as follows:

a. ENGR 466: Integrated Mechatronics and Embedded Systems Project (3 units)

b. At least one from the following list of courses (1.5 units):
   - MECH 486: Sensors and Actuators for Mechatronics Systems
   - SENG 440: Embedded Systems

c. Two courses (3 units) from the following list of courses where at least one has to be a 466 course:
   - ELEC 460: Control Theory and Systems: II
   - ELEC 466: System-on-Chip Engineering for Signal Processing
   - MECH 466: Microelectromechanical Systems
   - MECH 486: Sensors and Actuators for Mechatronics Systems

**BEng Program In Computer Engineering**
The BEng program in Computer Engineering requires completion of the BEng Core (see page 79), the Computer Engineering Core, one of two Specializations and the required number of elective courses associated with that Specialization.
BEng Program in Computer Engineering (Mechatronics and Embedded Systems Option)

In addition to BEng Core, Computer Engineering Core, one of two specializations and electives, the Mechatronics and Embedded Systems Option requires completion of an additional 7.5 units of courses as follows:

a. ENGR 466 Integrated Mechatronics and Embedded Systems (3 units)

b. At least one from the following list of courses (1.5 units):
   - MECH 486 Sensors and Actuators for Mechatronics Systems
   - SENG 440 Embedded Systems

c. Two courses (3 units) from the following list of courses where at least one has to be a 466 course:
   - ELEC 460 Control Theory and Systems: II
   - ELEC 466 System-on-Chip Engineering for Signal Processing
   - MECH 466 Microelectromechanical Systems
   - MECH 486 Sensors and Actuators for Mechatronics Systems
   - SENG 440 Embedded Systems
   - SENG 466 Software for Embedded and Mechatronics Systems

Notes: - Students in the MES option do not need to take CENG 499 as part of their program. The CENG 499 requirement is replaced by the requirement to take ENGR 466.
- The units for MECH 486 and SENG 440 cannot be counted under both b and c.

Students are advised that because of limited resources, it may be necessary to limit the offering of this program.

Credit for one work term will be given to students completing this option due to the industrial exposure provided.

Students who complete all requirements of a BEng Program as well as all requirements of the Mechatronics and Embedded Systems option will receive their BEng degree in the appropriate specialization, and their transcripts will also bear the designation, “Mechatronics and Embedded Systems Option.”

All courses taken in the Mechatronics and Embedded Systems option will be included in the Faculty standing review of students in the BEng Program.

Electrical and Computer Engineering Electives

List A: May-August Term*

| CENG 420 | Artificial Intelligence |
| CENG 421 | Computer Vision |
| CENG 441 | Design of Digital and VLSI Systems |
| CENG 442 | Digital Integrated Circuits |
| CENG 453 | Introduction to Parallel and Cluster Computing |
| CENG 460 | Computer Communication Networks |
| CENG 496 | Selected Topics in Computer Engineering |
| CENG 499 | Design Project |
| ELEC 400 | Random Signals |

ELEC 403 Engineering Design by Optimization
ELEC 404 Microwaves and Fiber Optics
ELEC 407 Digital Signal Processing: II
ELEC 410 Power Electronics
ELEC 426 Robotics
ELEC 450 Communications Theory and Systems: II
ELEC 452 Fiber Optic Technology
ELEC 466 System-on-Chip Engineering for Signal Processing
ELEC 484 Audio Signal Processing
ELEC 486 Wavelets and Multirate Signal Processing
ELEC 496 Selected Topics in Electrical Engineering
MECH 460 Computer Aided Manufacture
SENG 412 Ergonomics
SENG 422 Software Architecture
SENG 426 Software Quality Engineering

List B: January-April Term*

| CENG 421 Computer Vision |
| CENG 450 Computer Systems and Architecture |
| CENG 455 Real Time Computer Systems |
| CENG 461 Analysis and Design of Computer Communication Networks |
| CENG 496 Selected Topics in Computer Engineering |
| CENG 499 Design Project |
| CSC 450 Computer Communications and Networks |
| CSC 454 Fault Tolerant Computing |
| ELEC 405 Error Control Coding and Sequences |
| ELEC 412 Electronic Devices: II |
| ELEC 420 Nanotechnology |
| ELEC 453 Antennas and Propagation |
| ELEC 454 Microwave Engineering |
| ELEC 456 Mobile Communications |
| ELEC 459 Digital Signal Processing: III |
| ELEC 460 Control Theory and Systems: II |
| ELEC 481 Analog VLSI Systems |
| ELEC 482 Electrical Drive Systems |
| ELEC 483 Digital Video Processing: Algorithms and Applications in Media |
| ELEC 485 Pattern Recognition |
| ELEC 496 Selected Topics in Electrical Engineering |
| ELEC 499 Design Project |
| MECH 410 Computer Aided Design |
| MECH 486 Sensors and Actuators for Mechatronics Systems |
| SENG 440 Embedded Systems |
| SENG 462 Distributed Systems and the Internet |

*Courses that are not required by at least one of the Specializations may not be offered every year.
Physics Option Electives
List P1 September-December Term
PHYS 410 Topics in Mathematical Physics: I
PHYS 411 Time Series Analysis
PHYS 415 General Relativity and Cosmology
PHYS 426 Fluid Mechanics
PHYS 429A Honours Laboratory

List P2 January-April Term
PHYS 420 Topics in Mathematical Physics: II
PHYS 421 Statistical Mechanics
PHYS 422 Electromagnetic Theory
PHYS 424 Particle Physics
PHYS 427 Geophysics
PHYS 428 Introductory Solid State Physics
PHYS 429B Honours Project

Minors in Electrical Systems and Computer Systems
An Electrical Systems Minor or a Computer Systems Minor is open to students outside of the programs in Electrical Engineering and Computer Engineering. Permission from the Department is required and students must have a minimum cumulative GPA of 5. The minor requires 9 units of ELEC and CENG designated courses with a minimum of 4.5 units at the 300 level or above. For an Electrical Systems Minor, 3 or more of these units at the 300 level or above must be ELEC. For a Computer Systems Minor, 3 or more of the units at the 300 level or above must be CENG.

ACADEMIC SCHEDULE: BEng in Electrical Engineering (Physics Option)

Terms 1A, 1B and 2A
For students starting Terms 1A or 2A in September 2007:
Term 1A Term 1B Term 2A
CSC 111 CHEM 150 CENG 255
ENGR 020a CSC 115 ELEC 200
MATH 100 ELEC 199 ELEC 205
MATH 133 ENGL 115 ENGR 240
MECH 141 MATH 101 MATH 200
PHYS 122 PHYS 125 MATH 201

Terms 2B to 4B
Term 2B Term 3A 2 Term 3B
ENGR 241 CSC 349A ELEC 350
ELEC 220 ELEC 300 ELEC 350
ELEC 250 ELEC 310 ELEC 360
ELEC 260 ELEC 320 ELEC 370
MECH 295 ELEC 330 ELEC 380
STAT 254 ELEC 340 PHYS 313 or PHYS 314

Terms 3A 2 Term 4A 2
ENGR 395 ELEC 350
ENGR 297b MATH 326
PHYS 295 2 Specialization Courses

Specializations:
Electronics
Term 4A Term 4B
CENG 441 ELEC 412
ELEC 411

Communications
Term 4A Term 4B
ELEC 404 ELEC 456
ELEC 450

Digital Signal Processing
Term 4A Term 4B
ELEC 403 ELEC 459
ELEC 407

Electromagnetics and Photonics
Term 4A Term 4B
ELEC 404 ELEC 453
ELEC 452

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.

ACADEMIC SCHEDULE: BEng in Electrical Engineering (Software Option)

Terms 1A, 1B and 2A
For students starting Terms 1A or 2A in September 2007:
Term 1A Term 1B Term 2A
CSC 111 CHEM 150 CENG 255
ENGR 020c CSC 115 ELEC 200
MATH 100 ELEC 199 ELEC 205
MATH 133 ENGL 115 ENGR 240
MECH 141 MATH 101 MATH 200
PHYS 122 PHYS 125 MATH 201

Terms 2B to 4B
Term 2B Term 3A 2 Term 3B
ENGR 241 CSC 349A ELEC 350
ELEC 220 ELEC 300 ELEC 350
ELEC 250 ELEC 310 ELEC 360
ELEC 260 ELEC 320 ELEC 370
MECH 295 ELEC 330 ELEC 380
STAT 254 ELEC 340 PHYS 313 or PHYS 314

Terms 3A 2 Term 4A 2
ENGR 395 ELEC 350
ENGR 297b MATH 326
PHYS 295 2 Specialization Courses

Specializations:
Systems Engineering
Term 3B Term 4A Term 4B
ELEC 350 or 360 SENG 422 CSC 370
ENG 330 SENG 426 SENG 462

Software Engineering
Term 3B Term 4A Term 4B
ELEC 350 or 360 SENG 422 CSC 370
ENG 330 SENG 426 SENG 462

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 77 of the main Faculty entry.
3. Only one of ENGR 499 or ELEC 499 must be included in this set of 4th year electives.
4. Or acceptable replacement.
5. Term 3A 2 replaces the Work/Other term following Term 3B in the table on page 77.
6. Students must register in this course in the term preceding the final term of their program (academic or work term).
7. ENGR 020c is offered in the September to December and January to April academic terms. First
### Adjunct Faculty

- **Ian D. Beausoleil-Morrison**, BASc, MASC (Wat), PhD (Strath) (2004-2007)
- **Andrew Johnston**, BSc (New Brunswick), PhD (Brit Col) (2004-2007)
- **Denis G. Laurin**, BASc (Wat), MASc, PhD (Tor) (2004-2007)
- **Simon Liu**, BSc, MSc, PhD, (Jilin) (2003-2007)
- **Gerald F. McLean**, BASc, MASC, PhD (Wat), PEng (2004-2007)
- **Scott Nokleby**, BEng, MASc, PhD (Victoria) (2005-2008)
- **Yasunori Okano**, MASc, PhD, (Waseda) (2006-2009)
- **Eric H. Richardson**, BA, MA (Brit Col), PhD (Tor) (2003-2008)
- **Barbara Savicki**, BSc, MSc, PhD, DSc (Jagiellonian) (2006-2009)
- **V. Ismet Ugursal**, BSc (Bogazici), MEng, PhD (TUNS), PEng (2005-2008)

### Technical Personnel

- **Kenneth J. Begley**, Mechanist, (BCIT), Scientific Machinist
- **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**, BA (Newark St Coll), Manager of Laboratories
- **Ian Soutar**, Cert Microsoft Firmware Dev

### 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 79), 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. For further details, see BEng and BSEN Management Option, page 81.

#### Mechatronics and Embedded Systems Option

The Faculty of Engineering offers a Mechatronics and Embedded Systems (MES) Option. For further details, see BEng Mechatronics and Embedded Systems, page 82 (MES) Option. The requirements and schedule of courses for the MES Option for Mechanical Engineering students are given on page 97. Students are advised that because of restricted facilities and staff, it may be necessary to limit the offering of this program.

### Graduate Programs

Please refer to the UVic Graduate Calendar for information on studies leading to the MEng, MASC and PhD degrees.
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**

<table>
<thead>
<tr>
<th>Term 1A</th>
<th>Term 1B</th>
<th>Term 2A</th>
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<tbody>
<tr>
<td>CSC 111</td>
<td>CSC 115</td>
<td>ELEC 216</td>
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<tr>
<td>ENGR 020</td>
<td>CHEM 150</td>
<td>ENGR 240</td>
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<tr>
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<td>ELEC 199</td>
<td>MATH 200</td>
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<tr>
<td>MATH 133</td>
<td>ENGL 115</td>
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<tr>
<th>Term 2A</th>
<th>Term 3A</th>
<th>Term 3B</th>
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<tr>
<td>ELEC 250</td>
<td>CSC 349A</td>
<td>ELEC 365</td>
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<td>STAT 254</td>
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<thead>
<tr>
<th>Term 4A</th>
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<th>Term 4C</th>
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<tr>
<td>MECH 400</td>
<td>MECH 446</td>
<td>ELEC 466</td>
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<tr>
<td>ENGR 466</td>
<td>ENGR 498</td>
<td>ENGR 466</td>
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<tr>
<td>MECH 435</td>
<td>MECH 405</td>
<td>MECH 466</td>
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<tr>
<td>MECH 445</td>
<td>MECH 486</td>
<td>MECH 466</td>
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<tr>
<td>3 Electives</td>
<td>4 Electives</td>
<td>1 Complementary</td>
</tr>
<tr>
<td>List A</td>
<td>from List B</td>
<td>Study Elective (1.5)</td>
</tr>
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</table>

**Technical Elective Courses**

**List A: May-August Term**

<table>
<thead>
<tr>
<th>Term 405</th>
<th>MECH 465</th>
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<tbody>
<tr>
<td>MECH 410</td>
<td>MECH 471</td>
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<td>MECH 411</td>
<td>MECH 475</td>
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<td>MECH 423</td>
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<td>MECH 425</td>
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<td>MECH 443</td>
<td>MECH 492</td>
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<tr>
<td>MECH 449</td>
<td>MECH 495</td>
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**List B: January-April Term**

<table>
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<tr>
<th>MECH 405</th>
<th>MECH 465</th>
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<td>MECH 410</td>
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<td>MECH 425</td>
<td>MECH 486</td>
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<tr>
<td>MECH 449</td>
<td>MECH 490</td>
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</tbody>
</table>

1. Deviation from the standard program schedule requires submission of a Program Change Form and approval by the Department before commencement of term. Students with third- and fourth-year standing will have registration priority for 300- and 400-level courses.

2. ENGR 020 is offered in the September to December and January to April academic terms. Students entering third year via the Bridge Program and fourth-year standing will have registration priority for 300- and 400-level courses.

3. Students who do not plan to enroll in the Mechatronics and Embedded Systems Option but who do plan to take ENGR 466 must take MECH 405 in place of a technical elective.

4. Students who are not enrolled in the Mechatronics and Embedded Systems Option but who are taking ENGR 466 will take only 2 electives in term 4A as ENGR 466 is a 3.0 unit course.

5. 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.

6. Students must register in this course in the term preceding the final term of their academic program (academic or work term).

7. 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.

8. 4C is in the summer term, following 4B.
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, Bachelor of Music and Bachelor of Science. The Faculty also offers interdisciplinary programs in Film Studies and Arts of Canada, as well as diploma and certificate programs in several subdisciplines of Fine Arts.

Graduate Programs
Graduate studies are offered in Music, History in Art, Theatre and Visual Arts. For information on graduate programs, please refer to the UVic Graduate Calendar.

Co-operative Education Programs
Please refer to page 45 for a general description of Co-operative Education.

In the Faculty of Fine Arts, the Humanities, Fine Arts and Professional Writing Co-operative Education program is offered. For information, please see page 100. Details of the program in the Department of Writing are outlined on page 112.

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 consult 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 Faculty of Education.

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.

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### Faculty of Fine Arts Programs

<table>
<thead>
<tr>
<th>Departmental Programs</th>
<th>BA Honours</th>
<th>BA Major</th>
<th>BMus Honours</th>
<th>BMus Major</th>
<th>BSc Honours</th>
<th>BSc Major</th>
<th>Minors</th>
<th>Co-op Option</th>
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<tbody>
<tr>
<td>History in Art</td>
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<th>Interdisciplinary Programs</th>
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<tbody>
<tr>
<td>Film Studies 1</td>
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<tr>
<td>Arts of Canada 1</td>
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<tr>
<td>European Studies 4</td>
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<tr>
<th>Diplomas and Certificates</th>
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<tbody>
<tr>
<td>Diploma in Fine Arts</td>
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<tr>
<td>Harvey Southam Diploma in Writing and Editing</td>
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<tr>
<td>Certificate in Foundations in Indigenous Fine Arts 2</td>
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<tr>
<td>Diploma in Cultural Resource Management 3</td>
<td>•</td>
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<tr>
<td>Professional Specialization Certificate in Heritage Conservation Planning 3</td>
<td></td>
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<tr>
<td>Professional Specialization Certificate in Collections Management 3</td>
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</tbody>
</table>

1. Offered by the Faculties of Fine Arts and Humanities
2. Offered in cooperation with the En’owkin Centre in Penticton, BC
3. Offered through UVic Continuing Studies
4. Offered by the Faculties of Fine Arts, Humanities, and Social Sciences
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.

ADMISSION TO A SECOND BACHELOR'S DEGREE
Students wishing to complete a second bachelor's degree should proceed as outlined on page 39.

CREDIT FOR COURSES OFFERED BY OTHER INSTITUTIONS
Students who plan to undertake work at other universities must receive prior approval from the Fine Arts Advising Centre if they wish such courses to be credited towards a degree program in the Faculty of Fine Arts. To be eligible for a Letter of Permission to take courses elsewhere, the student must have completed, or be registered in, no less than 6 units at UVic. Upon successful completion of such work, the student must request the registrar of the other university to send an official transcript of record to Records Services at UVic.

Candidates for a bachelor's degree must normally complete at UVic a minimum of 30 units at the 100 level or above, including at least 18 of the minimum 21 upper-level units required for all degree programs. Students may take at another institution:
- no more than 6 of the upper-level units required for the Honours Program
- no more than 3 of the 15 upper-level units required for the Major Program
- no more than 3 of the 9 upper-level units required for the Minor Program

Applications for Letters of Permission to undertake studies elsewhere must be accompanied by $10.00 payment per application, per institution.

Faculty Degree Programs

HONOURS AND MAJOR PROGRAMS
Details of Honours and Major programs in the Faculty are presented under the entries of the individual departments offering the programs.

INTERFACULTY PROGRAMS
It may be possible for students to arrange for an Interfaculty Double Honours, Joint Honours and Major or Double Major Program. Students must contact the Advising Centre for the Faculties of Humanities, Science and Social Sciences for further information and are strongly urged to do so before registering in courses which they wish to count for credit on an Interfaculty Program. Such programs involve satisfying the Honours and/or Major requirements of two disciplines, both leading to the same degree, in two different faculties. Agreement to details of all such programs must be signed by the student and by representatives of the academic units involved.

Students in an Interfaculty Program will be subject to the regulations of the faculty in which they are registered.

Only one Bachelor's degree with a Double Honours or a Joint Honours/Major or a Double Major will be awarded on the recommendation of the faculty in which the student is registered.

It may be possible for students to arrange to undertake an Interfaculty Minor in the Faculties of Humanities, Science and Social Sciences. Students must contact the Advising Centre for the Faculties of Humanities, Science and Social Sciences for further information, and are strongly urged to do so prior to registering in courses which they wish to count for credit on an Interfaculty Minor.

INTERDEPARTMENTAL DOUBLE HONOURS OR MAJOR
A student in one department in the Faculty of Fine Arts may concurrently satisfy the requirements of a program in a second department by completing the program requirements in the second area with the permission of both departments. Only one degree will be awarded. For example, a student majoring in History in Art may concurrently satisfy the requirements for the program in Visual Arts and thereby qualify for a BA with a Double Major in History in Art and Visual Arts. Conversely, a student majoring in Visual Arts may concurrently satisfy the requirements for the program in History in Art and thereby qualify for a BFA with a Double Major in Visual Arts and History in Art. Students interested in taking a Double Honours or Major Program should consult the Fine Arts Advising Centre.

In any case where two different classes of degree result, each class will be tied to the respective discipline instead of the degree, and will be shown in the student's academic record.

MINORS
The Faculty of Fine Arts offers Minors in:
- Arts of Canada (offered jointly with the Faculty of Humanities; see page 214)
- European Studies (offered jointly with the Faculties of Humanities and Social Sciences; see page 215)
- Film Studies (offered jointly with the Faculty of Humanities; see page 214)
- Music (see page 104)
- Professional Writing (see page 112)

HUMANITIES, FINE ARTS AND PROFESSIONAL WRITING CO-operative EDUCATION PROGRAM
Don Bailey, BA (UNB), MEd (UBC), Coordinator
The Humanities, Fine Arts and Professional Writing Co-operative Education Program is a year-round program which, through work terms of employment in a variety of organizations, enables students to combine work experience with an education in the Fine Arts and/or Humanities.

Applications and further information about the Humanities, Fine Arts and Professional Writing Co-operative Education Program are available from the Co-op Coordinator, Room B228, University Centre.

Program Requirements
Any student registered in a BA, BFA, BSc, BMus, MA, MFA or PhD degree in the Faculty of Fine Arts or the Faculty of Humanities or registered in the Cultural Resource Management Program, the English Minor in Professional Writing 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 a BA, BFA, BSc, BMus, MA, MFA or PhD degree in a discipline offered in the Faculty of Humanities or the Faculty of Fine Arts or a Diploma in the Cultural Resource Management Program, the English Minor in Professional Writing 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 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 45. Students are advised that a Co-op Education Program fee is charged.

**Diplomas and Certificates**

The Faculty offers the following diploma and certificate programs:

- Diploma in Fine Arts (see below)
- Diploma in Cultural Resource Management (see page 102)
- Certificate Program in Foundations in Indigenous Fine Arts (see page 101)
- Professional Specialization Certificate in Heritage Conservation Planning (see page 103)
- Professional Specialization Certificate in Collections Management (see page 103)
- Professional Specialization Certificate in Cultural Sector Leadership (see page 128)

**Diploma in Fine Arts**

The Fine Arts Diploma Program is designed for persons who wish to pursue a personal interest in the fine arts through part-time study. Its focus, structure, content, and flexibility are well suited to active people who may also be balancing jobs, families, and community responsibilities. While the diploma program may have some career benefits, its primary purpose affirms the traditional university value of learning for its own sake. Applicants must be admissible to the University of Victoria and have demonstrated interest in the fine arts; an undergraduate degree is normally required.

The Program offers students the opportunity to take selected courses from the Departments of History in Art, Music, Theatre, Visual Arts, and Writing, based on themes of study that are selected and approved at the time of application. A total of 18.0 units, made up of the core course FA225 Introduction to the Arts of Canada (3.0 units), and elective courses from the Faculty of Fine Arts that enable the student to pursue themes of particular interest, are required for the Diploma. Up to 3.0 units of credit may be taken outside the Faculty of Fine Arts with the approval of the Associate Dean. As this program is primarily intended for students pursuing a personal rather than a professional interest in the arts, no studio or performance courses are included.

The Fine Arts Diploma Program is offered by the Faculty of Fine Arts in cooperation with the Division of Continuing Studies. Admission is subject to the approval of the Associate Dean of Fine Arts. For further information about the Program, please contact Brenda Weatherston at Continuing Studies at 721-8504 or by email at bwetherston@uvic.ca.

**Certificate Program in Foundations in Indigenous Fine Arts**

In co-operation with the En’owkin International School of Writing and Visual Arts in Penticton, BC, the Faculty offers a Certificate in Foundations in Indigenous Fine Arts. This Certificate is only available for students who complete course requirements at the En’owkin Centre. All courses meet the academic standards of the University of Victoria, but emphasize indigenous peoples’ perspectives and cultural content.

Students take a total of 13.5 units of courses, including 3 units of core courses and 10.5 units of electives in visual arts and/or writing. Course work completed at the En’owkin Centre will be identified by the letter E following the course number; e.g., CW 150E, ART 101E.

The Certificate Program is designed primarily for mature 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 re-register through UVic Undergraduate Records and provide complete transcripts of all prior academic work. Credit obtained within the Certificate Program may be transferable to a regular UVic degree program. Transferability of credit is, however, subject to the specific requirements of the degree program. Students who wish to pursue a BA or BFA in Visual Arts or Writing at the University of Victoria must re-apply to UVic Undergraduate Admissions and fulfill all normal admission, program and course requirements. Students are strongly advised to consult the Chair of the appropriate department as early as possible.

**University of Victoria English Requirement**

All students wishing to complete the Certificate must satisfy the University of Victoria English Requirement (see page 29). The En’owkin Centre normally provides the English Placement Essay and required course work to satisfy this requirement.

**Core Courses**

Students must choose 3.0 units of core courses from the following:

- ART 100E (1.5) Studio Foundation
- ART 150E (1.5) Introduction to Contemporary Art Theory
- CW 100E (3.0) Introduction to Creative Writing

**Elective Courses**

Students may select either Creative Writing or Visual Arts courses to complete the required 13.5 units.

- ART 100E (1.5) Studio Foundation
- ART 101E (1.5) Drawing
- ART 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), MA (W Ont), PhD (Warburg, Lond), Professor (Lansdowne Chair in the Fine Arts)

S. Anthony Welch, BA (Swarth), MA, PhD (Harv), Professor

Kathleen 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

Ariane Isler de Jongh, BA, PhD (Montreal), Emeritus Associate Professor

Judith Patt, BA, BArch (Stan), MA, PhD (Calif, Berk), Adjunct Assistant Professor

S. Anthony Welch, BA (Swarth), MA, PhD (Harv), Professor

Kathleen 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

Ariane Isler de Jongh, BA, PhD (Montreal), Emeritus Associate Professor

Judith Patt, BA, BArch (Stan), MA, PhD (Calif, Berk), Adjunct Assistant Professor

Visiting, Adjunct and Cross-listed Appointments

Martin J. Segger, BA, DipEd (UVic), MPhil (Warburg, Lond), FRSA, Adjunct Professor (1995-2008)

Elizabeth Tumanonis, BA (Coll of WM and Mary), MA (NYU), PhD (Calif, Berk), Emeritus Associate Professor

Erica Dodds, BA (Wellesley), PhD (Courtauld), Adjunct Associate Professor (1997-2008)

Martha Black, BA (Toronto), MA (York), PhD (UVic), Adjunct Assistant Professor (2001-2007)

Joy Davis, BA (UVic), MA (Toronto), Adjunct Assistant Professor (2001-2007)

K. Anne Finlay, BA (Queens), MA (Toronto), PhD (UVic), 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 (UVic), 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 Programs

Please, see page 100.

Major Program

In addition to the general University requirements for graduation, page 39, students taking a Major in History in Art must satisfy the following requirements:

1. Successful completion of 21 units of History in Art courses, of which at least 3 units must be at the 200 level and at least 15 units must be at the 300- or 400-level.

2. The 15 upper-level units must include 3 units in each of the following three areas of study:
   - Classical, European before the modern period
   - Islamic, Asian
   - Art of the Americas, modern art and architecture

These 15 upper-level units may 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.

Honours Program

Admission

The Honours Program provides the possibility for more intensive study in the field of History in Art, and is intended for those who wish to continue on to graduate studies in History in Art or related professional disciplines.

Students may apply to enter the Honours Program after completion of a minimum of 9 units of course work in History in Art with a GPA in these courses of 6.0 (B+) or better. Normally this is done at the end of the second year.

Program Requirements

Graduation with a BA Honours in History in Art requires:

1. a minimum of 30 units of credit in the Department, of which at least 3 units must be at the 200 level and at least 21 units must be at the 300 or 400 level (out of a total degree program of 60 units)

2. the 21 units at the 300 or 400 level must include:
   a) 3 units in each of the following four areas of study:
      - Classical, European before the modern period
      - Islamic, Asian
      - Art of the Americas, modern art and architecture
      - non-Western art
   b) 7.5 units of History in Art electives
   c) HA 499 (1.5 units)

These 21 upper-level units must also include at least 1.5 units of a 400-level seminar other than HA 499. The seminar may be satisfied by HA 492. The seminar is usually to be taken in the fourth year. The seminar may be taken in third year only when approved by the Fine Arts Adviser and the Chair.

Honours Language Requirement

Before graduation, each student will be required to demonstrate a reading knowledge of a language other than English, appropriate to the area of special interest. This requirement will be satisfied by completion of 3 units of 200-level language or literature courses (excluding those taught in English using translations). Also acceptable are JAPA 150, CHIN 150, GER 390, or 3 units of FREN 155 and above (excluding FREN 160, 161, or 165). A Grade Point Average of at least 4.0 (B-) is necessary. In special circumstances, students may request permission to take a translation examination administered by the Department.

Standing at Graduation

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 and Professional Specialization Certificates in Heritage Conservation Planning and Collections Management. The program serves those who are currently involved professionally in museums, art galleries, historic sites, building conservation and related cultural stewardship activities.

Diploma in Cultural Resource Management

The curriculum of the Diploma Program in Cultural Resource Management features two areas of specialization in cultural management: Museum Studies and Heritage Conservation. However, a candidate may register for courses in all areas in order to obtain credit towards the diploma.

To be considered for admission to this diploma program, applicants must have completed a 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 486A (1.5), HA 486B (1.5), HA 487A (1.5), HA 487B (1.5).

2. Elective courses: 10.5 units selected from HA 488 A-S (1.5), HA 489 A-L (1.5), HA 486A (1.5), HA 486B (1.5), HA 487A (1.5), HA 487B (1.5).

Applicants who have previously received credit in a degree program for any of these core courses will be allowed to substitute up to 6.0 units of courses with the approval of the Academic Adviser.
Students may apply to obtain up to 6.0 units of transfer credit for equivalent courses 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 (e.g., BA, BFA, MA). Other students may register in individual courses in the diploma program as enrollment allows.

Co-op Option
Diploma candidates who complete one or more work terms through the Co-operative Education Program will receive Co-op notation on graduation.

Students who participate in the Co-operative Education Option are normally required to complete one work term after the completion of core courses and a minimum of three special topic courses. They are required to complete HA 490 (3.0) instead of HA 491 (3.0).

Co-operative education students within the Diploma Program in Cultural Resource Management will normally be required to complete all their program requirements within a 24-month period in order to maintain the full-time status required for participation in the Co-operative Education Program. 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 in their 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, 489R
- An elective course selected from HA 489A, 489D, 489E, 489F, 489G, 489H

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 in their equivalent and have a minimum of two years' work experience in the museum or heritage sector. The program requires the completion of the following:

- Core courses: HA 488B, 488D, 488J
- An elective course selected from the HA 488 A-S series in consultation with the Academic Adviser

Students who complete a Professional Specialization Certificate in Collections Management are able to transfer four courses (6.0 units) upon admission to the Diploma in Cultural Resource Management.

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)
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 (tuba, chamber music)
Arthur Rowe, BMus (W Ont), MM (Indiana), Professor (piano)
W. Andrew Schloss, BA (Bennington Coll), PhD (Stanford), Professor (electronic and computer music, musical acoustics, ethnomusicology)
Bruce Vogt, ARCT (Tor), BMus (W Ont), MMus (Tor), Professor (piano)
Christopher Butterfield, BMus (UVic), MA (SUNY, Stony Brook), Associate Professor (composition, theory)
Michelle Fillion, BA (Montreal), BMus (Mc Gill), MA, PhD (Cornell), Associate Professor (music history, musicology, theory)
Kurt Kellan, Associate Professor (harp, chamber music)
Alexandra Pohran Dawkins, BMus (Tor), Associate Professor (oboe, chamber music)
Lanny R. Pollet, BMus (Eastman), MMus (UVic), Associate Professor (flute, chamber music, orchestration)
Daniel Peter Biró, MFA (Würzburg), MFA (Frankfurt), PhD (Princeton), Assistant Professor (composition, theory)
Benjamin Butterfield, Assistant Professor (voice)
Hugh Fraser, Assistant Professor (jazz studies, Jazz Ensembles)

Yariv Aloni (viola, chamber music)
Anita Bonkowski, BMus, MMus (UVic) (composition, theory, Jazz Ensemble)
Wendell Clanton, BMus (UVic), MMus (Northwestern) (saxophone, Vocal Jazz)
David Clemen, ARCCO (Organ perf), ARCT (music appreciation, theory)
Judith Dowling, BMus, MMus (UVic) (voice)
Alexander Dunn, BM, MM (San Fran Cons Mus), PhD (Calif, San Diego) (guitar, theory)
Colleen Eccleston, BFA (UVic) (popular music)
Brian G’roer, BMus (Brit Col) (horn)
Jenny Gunter, BMus (Eastman), MMus (Rice) (bassoon)
Charlotte Hale (accompanying)
Jordan Hanson, BSc (Dalhousie) (world music)
Diana Hostman, BMus, MMus (UVic) (composition, Sonic Lab)
Bruce Harn, BMus, MMus (UVic) (Jazz Ensemble)
Patricia Kerridge, BMus, MA (Mc Gill) (music history)
May Ling Kwok, BMus (UVic), MM (Indiana) (piano)
William Linwood, BM (Indiana) (percussion)
Michael Longton, BMus, MMus (Brit Col) (composition, theory)
Scott MacInnes, BMus (Tor) (trombone)
Ian McDougall, BMus, MMus (Brit Col) (trombone, composition)
Christi Meyers, BMus (Mc Gill), MMus (W Ont) (violin)
Elissa Poole, BA (Penn State), MA, PhD (UVic) (music appreciation)
Mary Rannie, BA (W Ont) (double bass)
Bonnie Smith, BMus (Montana), MEd (UVic) (woodwind techniques)
Eva Solar-Kinderman, Perf Dipl (Vienna) (piano)

Artists-in-Residence
Lafayette String Quartet:
Ann Elliott-Goldschmid, BM (Boston) (violin, chamber music)
Pamela R. Highbaugh Aloni, BM (Calif St), MM (Indiana) (cello, chamber music)
Joanna E. Hood, BM (San Fran Cons Mus), MM (Indiana) (viola, chamber music)
Sharon M. Stanis, BM, MM (Indiana) (violin, chamber music)

Gift of Service Awards

2007-08 UVIC CALENDAR
**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 Programs**

Please, see page 100.

**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 <web.uvic.ca/adms/).

Audition appointments and further information may be obtained from:

School of Music  
University of Victoria  
PO Box 1700 STN CSC  
Victoria BC V8W 2Y2  
Phone: (250) 721-7904  
Fax: (250) 721-6397  
E-mail: michalsk@uvic.ca  
Web: <www.finearts.uvic.ca/music>

**Transfers from Other Institutions**

Students transferring from other institutions follow the application procedure described in the preceding paragraph. Applicants from BC colleges may consult the BC Transfer Guide (online at www.bccat.bcc.ca) for information on the transferability of specific courses to UVic. Credit earned outside BC will be evaluated on a course-by-course basis when the student is admitted. This credit and School admission procedures will determine into which year of studies the student will be accepted. No students are admitted into the final (fourth) year. For information on undergraduate admissions procedures and deadlines, see page 24 or <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.

**Year 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 101A</td>
<td>1.5</td>
</tr>
<tr>
<td>MUS 101B</td>
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<tr>
<td>MUS 120A</td>
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<tr>
<td>MUS 120B</td>
<td>1.5</td>
</tr>
<tr>
<td>MUS 140</td>
<td>2.0</td>
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<tr>
<td>MUS 170</td>
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<td>MUS 180</td>
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<td>MUS 181</td>
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</tr>
<tr>
<td>English 100 level3</td>
<td>1.5</td>
</tr>
<tr>
<td>Non-music electives4</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total:</strong></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 or 135 and 125 or 145. Only one of 115 or 135 will be acceptable.

4. Students enrolled in MUS 140 as pianists are required to take MUS 172 in their first year in addition to the above courses. These students will take only 1.5 units of non-music electives in the first year. In year 2, 3, or 4, 1.5 units of music electives will be replaced by a non-music elective.

5. 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.

**Major in Composition and Theory**

**Year 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 201A and 201B</td>
<td>3.0</td>
</tr>
<tr>
<td>MUS 205</td>
<td>3.0</td>
</tr>
<tr>
<td>MUS 220A and 220B</td>
<td>3.0</td>
</tr>
<tr>
<td>MUS 240</td>
<td>2.0</td>
</tr>
<tr>
<td>MUS 270</td>
<td>1.0</td>
</tr>
<tr>
<td>Ensembles1</td>
<td>1.0 or 2.0</td>
</tr>
<tr>
<td>MUS 350A and 350B</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>16.0 or 17.0</strong></td>
</tr>
</tbody>
</table>

**Year 3**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 301A and 301B</td>
<td>3.0</td>
</tr>
<tr>
<td>MUS 305</td>
<td>3.0</td>
</tr>
<tr>
<td>MUS 306</td>
<td>1.5</td>
</tr>
<tr>
<td>MUS 307</td>
<td>1.5</td>
</tr>
<tr>
<td>MUS 340</td>
<td>2.0</td>
</tr>
<tr>
<td>Ensembles1</td>
<td>1.0 or 2.0</td>
</tr>
<tr>
<td>Non-music electives4</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>16.5 or 17.5</strong></td>
</tr>
</tbody>
</table>

**Year 4**

Two of MUS 401A, 401B, 401C, 401D | 3.0 |
MUS 405 | 3.0 |
MUS 440 | 2.0 |
Ensembles1 | 1.0 |

with their instrumental instructors (aided by auditions in certain sections). All students are assigned to ensembles according to each student’s educational needs and the needs of the School.

**Major Program Requirements**

Acceptance into the Major Program of the student’s choice and continuance in that Major must be approved by the appropriate division of the School. A student whose progress is judged to be unsatisfactory may be refused permission to continue in the chosen original Major. A student who fails to achieve a grade of C+ or better in individual tuition (MUS 140-440) will have his or her status re-evaluated by a committee consisting of the student’s teacher, the student’s adviser, the head of the performance section, and the Director of the School. In some cases the committee may determine that the student should be required to withdraw from the BMus program.

Students who intend to declare Music Education as their Major must be formally interviewed at the end of the first year. Those who are admitted and complete this program will automatically be admissible to the Post-Degree Professional Program in their assigned year. Due to quotas, students who do not enter professional year in the assigned year will have to compete for available spaces. In addition, the cases of students who do not maintain a 5.0 GPA in upper-level Music and Music Education courses, as well as a 4.0 GPA overall, will be reviewed. Such students will be given a trial period to reach the specified GPA, and if unsuccessful will be required to withdraw from the program.

Exceptions to the following program requirements can be made only in special cases and with the written approval of the Director. Courses are to be taken in the sequence shown in the separate programs.

**Major in Music Education**

**Year 1**

<table>
<thead>
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<th>Units</th>
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<td>MUS 101A</td>
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</tr>
<tr>
<td>MUS 101B</td>
<td>1.5</td>
</tr>
<tr>
<td>MUS 120A</td>
<td>1.5</td>
</tr>
<tr>
<td>MUS 120B</td>
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<tr>
<td>MUS 140</td>
<td>2.0</td>
</tr>
<tr>
<td>MUS 170</td>
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<tr>
<td>MUS 180</td>
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<tr>
<td>MUS 181</td>
<td>1.0</td>
</tr>
<tr>
<td>English 100 level3</td>
<td>1.5</td>
</tr>
<tr>
<td>Non-music electives4</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total:</strong></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 or 135 and 125 or 145. Only one of 115 or 135 will be acceptable.

4. Students enrolled in MUS 140 as pianists are required to take MUS 172 in their first year in addition to the above courses. These students will take only 1.5 units of non-music electives in the first year. In year 2, 3, or 4, 1.5 units of music electives will be replaced by a non-music elective.

5. 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.

**Year 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>MUS 201A and 201B</td>
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<tr>
<td>MUS 205</td>
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<td>MUS 220A and 220B</td>
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<td>MUS 240</td>
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<td>MUS 270</td>
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<tr>
<td>Ensembles1</td>
<td>1.0 or 2.0</td>
</tr>
<tr>
<td>MUS 350A and 350B</td>
<td>3.0</td>
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<tr>
<td><strong>Total:</strong></td>
<td><strong>16.0 or 17.0</strong></td>
</tr>
</tbody>
</table>

**Year 3**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 301A and 301B</td>
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<td>MUS 305</td>
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<td>Ensembles1</td>
<td>1.0 or 2.0</td>
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<tr>
<td>Non-music electives4</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>16.5 or 17.5</strong></td>
</tr>
</tbody>
</table>

**Year 4**

Two of MUS 401A, 401B, 401C, 401D | 3.0 |
MUS 405 | 3.0 |
MUS 440 | 2.0 |
Ensembles1 | 1.0 |
Music elective ....................................................1.5
Non-music electives ........................................4.5
Total: ..............................................................15.0

1. Ensemble requirements in Composition and Theory program:
   a) Orchestral Instruments, Keyboard Instruments and Guitar
      Year 2: MUS 280 and 281
      Year 3: MUS 380 and 381
      Year 4: MUS 480 or 481, as determined by the needs of the School
   b) Voice
      Year 2: MUS 280
      Year 3: MUS 380
      Year 4: MUS 480

Major in History and Literature

Year 2
MUS 201A and 201B ........................................3.0
MUS 220A and 220B ........................................3.0
MUS 240 ..........................................................2.0
MUS 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 ..........................................................2.0
Ensembles1 .........................................................1.0 or 2.0
MUS 499 ............................................................1.0
Non-music electives ..........................................4.5
Total: ..............................................................15.0 or 16.0

1. Ensemble requirements in History and Literature program:
   a) Orchestral Instruments, Keyboard Instruments and Guitar
      Year 2: MUS 280 and 281
      Year 3: MUS 380 and 381
      Year 4: MUS 480 and 481
   b) Voice
      Year 2: MUS 280
      Year 3: MUS 380
      Year 4: MUS 480

Major in Comprehensive Program

Year 2
MUS 201A and 201B ........................................3.0
MUS 220A and 220B ........................................3.0
MUS 240 ..........................................................2.0
MUS 270 ............................................................1.0
Ensembles1 .........................................................1.0 or 2.0
Music electives ..................................................3.0
Non-music elective .............................................1.5
Total: ..............................................................14.5 or 15.5

Year 3
MUS 301A and 301B ...........................................3.0
MUS 345 ..........................................................6.0
Ensembles2 .........................................................1.0 or 2.0
Music history elective .......................................1.5
Music elective ....................................................1.5
Non-music electives ..........................................3.0
Total: ..............................................................16.0 or 17.0

Year 4
One of MUS 401A, 401B, 401C, 401D .................1.5
MUS 445 ..........................................................6.0
MUS 448 ..........................................................1.0
Ensembles2 .........................................................0.0 or 1.0 or 2.0
Non-music electives ...........................................4.5
Total: ..............................................................13.0 or 14.0 or 15.0

1. Piano majors are required to take MUS 328A and 328B. They are advised to take MUS 360 and 361.
2. Ensemble Requirements in Performance program:
   a) Orchestral Instruments
      Year 2: MUS 280 (Orchestra or Wind Symphony) and 281
      Year 3: MUS 380 (Orchestra or Wind Symphony) and 381

Major in Performance

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
ME 301 ................................................................1.5
ME 316 ................................................................1.0
Total: ..............................................................17.5

Year 3
MUS 301A and 301B ...........................................3.0
MUS 345 ..........................................................6.0
Ensembles2 .........................................................1.0 or 2.0
ME 401 ................................................................1.5
ME 403 ................................................................1.5
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
ME 201 ................................................................1.5
ME 207 ................................................................1.5
ME 209A ............................................................1.5
ME 209B ............................................................1.5
Second teaching area ........................................1.5
Total: ..............................................................17.5

Year 3
MUS 301A and 301B ...........................................3.0
MUS 345 ..........................................................6.0
ME 301 ................................................................1.5
ME 316 ................................................................1.0
Total: ..............................................................15.0 or 16.0

2007-08 UVIC CALENDAR
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, Social Sciences, Engineering or Fine Arts.

**Year 1**

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<td>MUS 180 or MUS 270</td>
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**Year 4**

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1. Ensemble requirements in Music Education

Secondary program:

a) Orchestral Instruments, Keyboard Instruments and Guitar

- Year 3: MUS 281 and 380
- Year 4: MUS 381 and 480

b) Voice

- Year 3: MUS 380
- Year 4: MUS 480

**Music and Computer Science Co-op**

Students in the Combined Major Program who wish to participate in co-op will be admitted by the Humanities, Fine Arts and Professional 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 or 101B: 1.5 units
- MUS 101B: 1.5 units
- MUS 120A: 1.5 units
- MUS 120B: 1.5 units
- MUS 170: 1.0 units
- MUS 180 (by audition): 1.0 units
- MUS 220A: 1.5 units
- MUS 220B: 1.5 units
- 300/400 MUS electives: 9.0 units

Substitutions to the above can be made only with the approval of the School. Students must declare the Minor through the Advising Centres of their own faculties.

**Computer Music Option**

A Computer Music Option is offered by the Department of Electrical and Computer Engineering (see page 93).

**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.
**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 4.5 units of performance credit in THEA 229, 329 and 429. Normally, eligibility for performance credits will commence as students enter the Acting Specialist Option in Second Year.

**Specialist Option in Applied Theatre**

Students may indicate their intention to enter the Option in Applied Theatre in first year. The Applied Theatre program allies the art of the theatre with effective pedagogy to build upon the growing recognition of theatre as an educational 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**

Theatre/Writing students must be accepted into both the Department of Theatre and the Department of Writing. Students must apply to the Department of Theatre by February 28. Students must also send a letter of intent to the Department of Writing by February 28.

**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. There is a Questionnaire and Admissions Package to be submitted as part of the Theatre application. Details can be obtained on the website at <http://finearts.uvic.ca/theatre/admission>.

Transcripts in progress should be sent to Undergraduate Admissions as soon as possible. Final transcripts are due in Undergraduate Admissions by May 31. Details may be obtained from the Secretary of the Department of Theatre.

Deferred 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. Transfer students may be requested to attend an interview and/or audition (and therefore make a campus visit). These visits usually take place during a weekend in March or April.

Transfer credit from BC community colleges will be assigned according to the equivalencies set out on the BCCAT website at <http://finearts.uvic.ca/theatre/admission> for the year in which the courses were completed. Transfer credit for Theatre courses completed at other accredited institutions is determined by the Department and Undergraduate Admissions. This credit and the Department admission procedures will determine into which year of studies the student will be accepted.

Acceptance into the Department of Theatre by either of the above routes is subject to an annual review of the student’s progress by the Department Chair in consultation with the appropriate advisory committee.

**Program Requirements**

Requirements Common to All Programs (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 the Specialist Option in Acting. This option requires no fewer than 12 units of outside electives. At the 300 or 400 level, students must take at least 21 units, 15 of which must be in Theatre.

Students planning to go into Education should check with the Faculty of Education Advising Services regarding requirements.

Required courses for all Department of Theatre programs are outlined further on.

**Admission to Specific Courses**

The number of students who are eligible for Theatre courses may exceed the places available. Students should understand that eligibility does not guarantee them admission into specific courses. To gain entry into courses, students must be prepared to meet Departmental attendance regulations, must not be overenrolled and must pay any fees or fines that may affect University standing. Students must attend all classes including the first. If they do not attend the second class in a course with a limited enrollment, they may be deregistered.

Students Please Note: If you do not attend the second class in a course you must get in touch with the instructor in person, or via email or voice mail to get permission to remain in the
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.

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*3.0 units of English electives must be taken. 1.5 units of credit in English must be taken before 30 units of credit are completed.

**Admission dependent on successful completion of year-end review.
Specialist Option in Production and Management

First Year
THEA 105 ..............................................................3.0
THEA 111 ..............................................................1.5
THEA 112 ..............................................................1.5
THEA 120 ..............................................................3.0
Electives* ..............................................................6.0
Total: ...................................................................15.0

Second Year
THEA 205 ..............................................................3.0
THEA 210 ..............................................................1.5
THEA 211 ..............................................................1.5
THEA 251 ..............................................................1.5
THEA 252 ..............................................................1.5
THEA 299 or Theatre elective ......................................3.0
Electives* ..............................................................6.0
Total: ...................................................................15.0

Third Year**
THEA 305 ..............................................................3.0
Theatre History 300+ ..............................................1.5-3.0
THEA 261 and 361, or 362 and 363, or 348
and 349, or 351 and 352 .................................................3.0
THEA 395 ..............................................................3.0
Electives* ..............................................................3.0-4.5
Total: ...................................................................15.0

Fourth Year
THEA 405 ..............................................................3.0
Theatre History 300+ ..............................................1.5-3.0
THEA 261 and 361, or 362 and 363, or 348
and 349, or 351 and 352 .................................................3.0
THEA 499 ..............................................................3.0
Electives* ..............................................................3.0-4.5
Total: ...................................................................15.0

*3.0 units of English electives must be taken. 1.5
units of credit in English must be taken before 30
units of credit are completed.
**Interview and permission required.

Specialist Option in Theatre History

First Year
THEA 105 ..............................................................3.0
THEA 111 ..............................................................1.5
THEA 112 ..............................................................1.5
THEA 120 ..............................................................3.0
Electives* ..............................................................6.0
Total: ...................................................................15.0

Second Year
THEA 205 ..............................................................3.0
THEA 210 ..............................................................1.5
THEA 211 ..............................................................1.5
THEA 251 ..............................................................1.5
THEA 252 ..............................................................1.5
THEA 299 or Theatre elective ......................................3.0
Electives* ..............................................................6.0
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 300+ ..............................................................4.5
THEA 490 ..............................................................3.0
Approved Electives ......................................................6.0
Electives* ..............................................................9.0
Total: ...................................................................30.0

*3.0 units of English electives must be taken. 1.5
units of credit in English must be taken before 30
units of credit are completed.

Specialist Option in Theatre/Writing

Students in the Theatre/Writing Option Program
must complete at least 40.5 units of required
course work from Theatre and Writing, as below.

First Year
WRIT 100 ..............................................................3.0
THEA 105 ..............................................................3.0
THEA 111 ..............................................................1.5
THEA 112 ..............................................................1.5
THEA 120 ..............................................................3.0
Electives* ..............................................................3.0
Total: ...................................................................15.0

Second Year
WRIT 203 ..............................................................3.0
THEA 205 ..............................................................3.0
THEA 210 ..............................................................1.5
THEA 211 ..............................................................1.5
3 units from THEA 348 and 349 or 355 and
356 or 362 and 363 ......................................................3.0
Electives* ..............................................................3.0
Total: ...................................................................15.0

Third Year
WRIT 305 ..............................................................3.0
THEA 331 ..............................................................1.5
THEA 332 ..............................................................1.5
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** ......................................................3.0-4.5
Electives* ..............................................................3.0-4.5
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

*3.0 units of English electives must be taken. 1.5
units of credit in English must be taken before 30
units of credit are completed.

BA Honours in Theatre History

To graduate with a BA Honours in Theatre History,
students require a minimum of 30 units of Theatre;
at least 15 units must be in designated Theatre History courses at the 300 and 400 level,
listed below, and 6 units in approved, related disciplines.

Designated Theatre History courses are THEA
309, 310, 311, 312, 313, 314, 315, 316, 317, 318,
319, 362, 363, 390, 391, 392, 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 willing
to supervise such a course, formulate a proposal
accurately describing the course content, the
intended method and extent of supervision,
and the method by which work will be evaluated.
The proposal must then receive the approval of
the Chair of the Department.

Proposals will normally be subject to the following
limitations:
1. The student must achieve a minimum GPA of
7.0 (A-) in courses directly related to the proposed
directed studies.
2. No more than 9 units of directed studies
credit will count towards the BA.
3. No more than 6 units of directed studies will be
approved in any single winter session.
Department of Visual Arts

Vikky Alexender, BFA (NSCAD) Professor (Photography)
Sandra Meigs, BFA (NSCAD), MA (Dal), Professor (Painting)
Robert Youds, BFA (UVic), MFA (York), Professor (Painting)
Lynda Gammon, BA (S Fraser), MFA (York), Associate Professor (Sculpture, Drawing, Installation)
Steven Gibson, BA (Trinity Western University), MMus (UVic), PhD (SUNY at Buffalo), Associate Professor (Digital Media)
Daniel L Laskarin, BA (S Fraser), MFA (UCLA), Associate Professor (Sculpture)
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)
Daniel Wilkin, Senior Academic Assistant

VISUAL ARTS PROGRAMS

The Department offers two undergraduate programs 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 culture. Studies are enriched by visiting artists and critics, and the presence of graduate students from Canada and abroad. In addition to the regular program, the Department may offer courses each summer which are staffed by notable visiting artists.

Co-operative Education Programs

Please, see page 100.

PROGRAM ADMISSIONS

Applicants from Secondary School

Applicants from secondary schools must complete the usual procedures for admission to the University (see page 23) and must select the B.F.A. Visual Arts degree program option. Application deadline is February 28. The department further requires that the following materials be submitted directly to the Visual Arts Department (deadline March 9) for review by the selection committee:

• a Visual Arts questionnaire (downloadable from the application site) completed by hand
• a portfolio of still images or a combination of images and video. (Consult the Visual Arts website for details regarding portfolio submission.)

Transcripts in progress should be sent to Undergraduate Admissions on application. Final transcripts are due by May 31.

Transfers from Other Institutions

The application procedure is generally the same as that specified for applicants from secondary school (see above).

Transfer credit will be assigned as listed in the BC Transfer Guide, or evaluated as necessary. Final transcripts for transfer students are due in Undergraduate Admissions by May 31.

Note: Students will normally not be admitted into third and fourth-year studio courses until their out-of-department elective requirements for the first and second year have been met.

Transfers from Other UVic Faculties

Transfers from other faculties should complete the usual procedures for re-registration as specified on page 28. Portfolio and questionnaire submissions are the same for all applicants as described above.

PROGRAM REQUIREMENTS

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 35 Visual Arts course units from a degree total of 60) or a combination of Visual Arts and other University offerings (as few as 29 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 29 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 Undergraduate English Requirement, page 29).

First- and Second-year Visual Arts Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 100*</td>
<td>Visual Arts I</td>
<td>1.5</td>
</tr>
<tr>
<td>ART 101*</td>
<td>Visual Arts II</td>
<td>1.5</td>
</tr>
<tr>
<td>ART 102**</td>
<td>Visual Arts III</td>
<td>0.5</td>
</tr>
<tr>
<td>ART 150</td>
<td>Visual Arts IV</td>
<td>1.5</td>
</tr>
<tr>
<td>3 of ART 110-140, 160, 170</td>
<td></td>
<td>4.5</td>
</tr>
<tr>
<td>3 of ART 200-270</td>
<td></td>
<td>4.5</td>
</tr>
</tbody>
</table>

*Mandatory courses in the first term of first year.

**Mandatory course before registering in studio courses beyond the 100 level.

First- and Second-year Out-of-Department Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>History in Art***</td>
<td></td>
<td>3.0</td>
</tr>
<tr>
<td>Other electives</td>
<td></td>
<td>11.5</td>
</tr>
<tr>
<td>ART or electives</td>
<td></td>
<td>1.5</td>
</tr>
</tbody>
</table>

***The required 6 units of History in Art may be elected at any time during the four years; however students are strongly advised to complete 3 of those 6 units in their first or second year. It is strongly advised that 3 of the total 6 units be HA 362A, Modern Art in Europe and North America: 1900 to 1945 and HA 362B, Art in Europe and North America: 1945 to Today.

Note: Students will normally not be admitted into third and fourth-year studio courses until their out-of-department elective requirements for the first and second year have been met.

Third- and Fourth-year Visual Arts Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ART 300-490</td>
<td></td>
<td>15.0</td>
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</table>

Third- and Fourth-year Out-of-Department Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td></td>
<td>9.0</td>
</tr>
</tbody>
</table>

*Electives must include History in Art requirement. Note: ART 490 may not be taken concurrently with 499.

Honours Program

Students must normally complete 35 units of Department offerings as specified below. At 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 adviser, 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 Undergraduate English Requirement, page 29).

A student who passes all courses but fails to obtain an average of 3.5 or better will graduate in the Major Program.

First- and Second-year Visual Arts Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 100*</td>
<td>Visual Arts I</td>
<td>1.5</td>
</tr>
<tr>
<td>ART 101*</td>
<td>Visual Arts II</td>
<td>1.5</td>
</tr>
<tr>
<td>ART 102**</td>
<td>Visual Arts III</td>
<td>0.5</td>
</tr>
<tr>
<td>ART 150</td>
<td>Visual Arts IV</td>
<td>1.5</td>
</tr>
<tr>
<td>3 of ART 110-140, 160, 170</td>
<td></td>
<td>4.5</td>
</tr>
<tr>
<td>3 of ART 200-270</td>
<td></td>
<td>4.5</td>
</tr>
</tbody>
</table>

*Mandatory courses in the first term of first year.

**Mandatory course before registering in studio courses beyond the 100 level.

Transfer applicants from other faculties as described above.

Note: ART 490 may not be taken concurrently with 499.
First- and Second-year Out-of-Department Electives

History in Art*** ................................................ 3.0
Other electives .................................................... 9.0
ART or electives ................................................... 4.5

***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 HA362A, Modern Art in Europe and North America: 1900 to 1945 and HA362B, Art in Europe and North America: 1945 to Today.

Note: Students will normally not be admitted into third and fourth-year studio courses until their out-of-department elective requirements for the first and second year have been met.

Year 1

ART 100, 101, 102, 150 .................................... 5.5
MATH 100, 101, 112 ........................................... 4.5
CSC 110, 115, 212 ............................................ 4.5
Elective* .............................................................. 1.5
Total units for Year 1 ........................................ 15.5

*Students who need to fulfill the Undergraduate English Requirement, page 29, should use this elective option to do so.

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 2

2 of ART 120, 120A, 120B, 120C, 120D, 120E, 120F, 120G ........................................ 3.0
2 of CSC 225, 230, 231, 232, 322, 323, 341, 342, 343, 351, 360, 380 ................................... 3.0 or 6.0*
2 of CSC 330, 355, 360, 370, SENG 330 .................. 3.0
ENG 310 .......................................................... 1.5
Electives ............................................................ 1.5-4.5
Total units for Year 2 ........................................ 15.0

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, 490 .......................... 3.0 or 6.0*
2 of CSC 330, 355, 360, 370, SENG 330 ............... 3.0
ENG 310 .......................................................... 1.5
Electives ............................................................ 1.5-4.5
Total units for Year 3 ........................................ 15.0

Fourth-year Visual Arts Courses

ART 498 .......................................................... 1.5
ART 499 .......................................................... 10.5
Electives (any level)* ........................................... 3.0

Total units for Year 4 ........................................ 15.0

*Electives must include History in Art requirement.

Note: ART 490 may not be taken concurrently with 499.

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), Associate Professor
Bill Gaston, BA, MA, MFA (Brit Col), Professor
Rosa Harris-Adler, MA (Concordia), Senior Instructor
Lorna Jackson, BA (Vic), MA (Vic), Assistant Professor
David Leach, BA (Vic), MA (Queen's), Assistant Professor
Tim Lildrum, 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

PROGRAM ADMISSIONS

Applicants from Other Institutions

Transfer credit in writing courses does not necessarily satisfy UVic’s Writing requirements. The prerequisite for all second-year workshops is WRIT 100. 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 39). 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 require a grade of B or higher in WRIT 100 to advance into second year workshops. These are minimal standards and do not guarantee admission.

No student will be permitted to take more than 1.5 units of workshops in a single genre per term, or more than 3.0 units of workshops in any given term. Special and Directed Studies courses are designed for those teaching situations which cannot be covered in regular workshops. No writing projects which might be covered in a regular workshop will be permitted within such special courses.

WRITING PROGRAMS

The Department of Writing offers the following program options:

- Major (in drama, fiction, poetry, creative non-fiction; also a Writing/Theatre option)
- Professional Writing Minor in Journalism and Publishing
- Film Studies Minor (interdisciplinary, various departments; see description on page 214)
PROGRAM REQUIREMENTS

Major Program

Students in the Writing Major program are required to take:
1. WRIT 100 with a grade of B or better
2. 6.0 units from 200-level Writing, 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, 306, 315, 404, 408, 417) may not be counted as part of a Writing Major.

WRIT 307, 308, 310, 311, 312, 316, 321, 330, 335, 336, 340, 410, 416, and 440 may count toward either a Major in Writing or a Professional Writing Minor in Journalism and Publishing, but not both.

Students are advised to work toward a Double Major, since 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.

Minor in Professional Writing in Journalism and Publishing

The Department of Writing offers a Minor in Professional Writing emphasizing journalism, media studies and publishing. The goal of the program is to develop skills required to succeed as a professional writer in journalism, publishing, government or industry.

Please note that the Minor in Professional Writing in Journalism and Publishing is a separate program from the Minor in Professional Writing offered by the English Department.

Program Requirements

To obtain a Professional Writing Minor in Journalism and Publishing, students are required to take:
1. WRIT 102 with a grade of B+ or better
2. WRIT 215, 216
3. WRIT 315, 340
4. Six units from the 300- and 400-level PW courses in Writing (listed under Major Program above) or approved electives from outside the department. Entry to 300- and 400-level courses will depend upon successful completion of the 100- and 200-level prerequisites listed above, and declaring the Minor with the appropriate Faculty Adviser.

While participation in the Professional Writing Co-op (see below) is not mandatory, it is highly recommended; priority for admission in certain courses will be given to those taking the Co-op option.

Courses taken for the Minor cannot be used to complete requirements for a Major or Honours Program.

Major in Writing and Minor in Professional Writing

Students who are interested in completing both a Major Program in Writing (specializing in fiction, poetry, drama and/or creative non-fiction) and a Minor Program in Professional Writing (specializing in journalism and publishing) should take WRIT 100 and WRIT 102 in their first year of study. Similarly, students who are not yet certain whether they would prefer to do a Major in Writing or a Minor in Professional Writing or both are advised to enrol in WRIT 100 and WRIT 102 in their first year to keep all three options open.

Writing/Theatre Option

Writing/Theatre Option students must be accepted into both Departments. Students must apply to the department of Theatre by February 28. Students must also send a letter of intent to the department of Writing by February 28. For more details about the program requirements see the Specialist Option in Writing/Theatre in the Department of Theatre, page 109.

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 45.

The Humanities, Fine Arts and Professional Writing Co-operative Education Program offers paid employment to students who are working towards a career in journalism, publishing or communications. The Co-op is open to students who are:
• undertaking a Major in Writing, or
• undertaking the Professional Writing Minor in Journalism and Publishing, or
• undertaking an interfaculty General program where the Professional Writing Minor in Journalism and Publishing is one of the two programs which forms the General program.

Students undertaking the Professional Writing Minor must follow the guidelines specific to their program and the Professional Writing Minor in Journalism and Publishing (see at left). Professional Writing Minors must satisfactorily complete four work terms to receive a Co-op notation upon graduation.

For further information about the Humanities, Fine Arts and Professional Writing Co-operative Education program, see at left.
The Faculty of Human and Social Development was created in 1977 by bringing together five different professional schools under the auspices of one faculty. The Faculty includes the Schools of Child and Youth Care, Health Information Science, Nursing, Public Administration and Social Work, and several interdisciplinary programs.

The Faculty of Human and Social Development is unique both at UVic and in Canada; a similar structure for programs does not exist in any university in Canada. The Schools have developed reputations for innovative programs and excellent teaching. In addition to high quality teaching, the Faculty is engaged in creative, relevant programs of research. Additional features of our Faculty are equitable working and learning environments, and a strong emphasis on social responsibilities.
Faculty Members

Mary Ellen Purkis, BSN (Calgary), MSc, PhD (Edinburgh), Professor and Dean
Pamela J. Mass, BA (Indiana); MA (Brit Col); PhD (McMaster), Professor and Associate Dean
Research
Laurene E. Shields, BSN (Victoria, MS, PhD (Ore), Associate Professor and Associate Dean Academic
Brian Wharf, BA, BSW, MSW (Brit Col), PhD (Brandeis), Professor Emeritus
Marie L. Campbell, BA, MA (Brit Col), PhD (Toronto), Professor Emeritus
Maureen A. Maloney, LLB (Warw), LLM (Toronto), Professor
Michael J. Prince, BA (Car), MPA (Queen s), PhD (Exeter), Lansdowne Professor (Social Policy)
Jeffrey L. Reading, BPE (U of A); MSc, PhD (U of T), Professor and Scientific Director, CIHR
Institute of Aboriginal Peoples Health
Marge Reitsma-Street, BSW, MSW (McGill), PhD (Toronto), Professor
Irving Rootman, BA (U of A), MPhil, PhD (Yale), Professor-Limited Term
Susan C. Boyd, BA (UCal, Santa Cruz), MCP (Antioch), PhD (SFU), Associate Professor
Katherine Teghtsoonian, BA (Brit Col), AM, PhD (Stan), Associate Professor

Visiting, Adjunct and Cross-listed
Appointments
James C. Hackler, BA (U.C., Berkeley), MA (San Jose), PhD (Washington), Adjunct Professor
Tara L. Ney, PhD (Southampton), MA, BA (UVic), Adjunct Professor
Thomas F. Ward, BA, MD (Sask), Adjunct Professor
Lorraine Greaves, BA, MA (Western), PhD (Monash), Adjunct Associate Professor
Barbara M. Herringer, BA (UofA), BSW, MSW (UBC), PhD (UVic), Adjunct Associate Professor
Sharon Manson-Singer, BSW (UVic), MSW (UBC), PhD (Brandeis), Adjunct Associate Professor
Andrew Kmetic, BSc (Manitoba), MHSA (UofA), PhD (McGill), Adjunct Assistant Professor
Jennifer Mullett, BA, MA, PhD (UVic), Adjunct Assistant Professor
Earl Nowgesic, BScN (Ottawa), MHSc (Toronto), Adjunct Assistant Professor
Deborah Rutman, BSc, MA, PhD (Toronto), Adjunct Assistant Professor
Amy Salmon, BA, PhD (UBC), 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 45 for a general description of Co-operative Education at UVic.

In the Faculty of Human and Social Development, a co-operative Education Program is offered by the School of Public Administration at the graduate level and by the School of Health Information Science at both the undergraduate and graduate level.

Admission to and completion of Co-operative Education Programs are governed by individual School requirements. As a required part of the program, students are employed for specific work terms, 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 undergraduate 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 121. For details of the graduate program in Health Information Science, please see the UVic Graduate Calendar.

ADVISORY COMMITTEES
Programs in the Faculty of Human and Social Development have the benefit of advice and guidance from advisory committees whose members are professionals engaged in various private agencies or government departments. Further information is available from individual Schools.

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.

<table>
<thead>
<tr>
<th>Faculty of Human and Social Development Undergraduate 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>
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<tr>
<td>School of Nursing</td>
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<tr>
<td>School of Public Administration</td>
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<td>Diploma in Public Sector Management</td>
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<td>Diploma in Local Government Management</td>
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<td>- Public Services Management</td>
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<td></td>
<td>- Voluntary and Non-profit Sector Management</td>
</tr>
</tbody>
</table>

School of Social Work                                           | BSW             |                                   |

1. Available only through specific Aboriginal community partnerships.
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

Credit for Courses Offered by Other Institutions

Students who plan to undertake upper-level course work at another university must normally receive prior approval from the Dean and the Director of the School in which the student is registered if they wish such course work to be credited toward a degree program or diploma program in the Faculty of Human and Social Development. Upon successful completion of such course work, it is the student’s responsibility to request the Registrar of the other university to send an official transcript of record to the Records Office of the University of Victoria.

English Requirement

The four-year bachelor programs in Child and Youth Care and Health Information Science will normally include 3 units of English; Social Work and Nursing include 1.5 units. All courses are chosen in consultation with the Department of English.

Guidelines for Professional Conduct

The Faculty of Human and Social Development expects students to develop and adhere to a professional code of conduct. The Faculty supports models for professional conduct based on the following guidelines:

- submission of oneself to a professional code of ethics
- exercise of personal discipline, accountability and judgement
- acceptance of personal responsibility for continued competency and learning
- willingness to serve the public, client or patient and place them before oneself
- ability to recognize the dignity and worth of all persons in any level of society
- willingness to assist others in learning
- ability to recognize one’s own limitations
- maintenance of confidentiality of information appropriate to the purposes and trust given when that information was acquired
- acceptance that one’s professional abilities, personal integrity and the attitudes one demonstrates in relationships with other persons are the measure of professional conduct

Unprofessional Conduct

Students in the Faculty of Human and Social Development are subject to the provisions of the code of ethics of their respective professions, and may be required to withdraw from their School for violating these provisions. Students may also be required to withdraw from their School when ethical, medical or other reasons interfere with satisfactory practice in their respective disciplines.

Minor

Students registered in a degree program in the Faculty of Human and Social Development may declare a Minor Program in another Faculty with written permission from their School and the department offering the Minor, and the Deans of the respective faculties. The Minor will be added to the student’s academic record upon completion of program requirements in Human and Social Development and the general degree or Minor requirements in the other faculty.

Regulations Concerning Practica

General

The Faculty reserves the right to approve any agency or institution that provides placements for student practica, and to change any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any change in placement.

While the Faculty accepts a responsibility to provide a sufficient number of practicum opportunities to serve the needs of all registered students, a student may be required to withdraw from a practicum course if none of the available practicum agencies will accept the student.

It is the responsibility of the course instructor to inform students of the criteria by which unprofessional conduct will be judged in the practicum setting.

Practica Dates

The dates of practica will be established by each School or program, and will be announced to the students involved at the beginning of each term.

Attendance

Attendance at practicum activities is required. Students are expected to notify the placement agency whenever practicum appointments cannot be kept, and also to inform the course instructor.

Denial and Withdrawal

Denial

Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by the Director of the School in the Faculty of Human and Social Development.

Temporary Withdrawal of Students Pending Report

The Director may require a student to withdraw temporarily from a practicum if, during the course of a term, there are reasonable grounds to believe that the conduct or lack of competence of a student enrolled in the practicum has adversely affected or may adversely affect:

- clients or pupils, or
- personnel, including students associated with the practicum

The student will be required to withdraw temporarily pending the receipt of a report on the conduct and lack of competence of the student.

Withdrawal

After giving the student an opportunity to be heard, the Director may require a student to withdraw from the practicum if the Director is satisfied that the student’s conduct or lack of competence may adversely affect members of any of the groups identified in the paragraph above.

Voluntary Withdrawal

Students seeking voluntary withdrawal from a practicum, whether permanent or temporary, must receive permission to do so from their faculty supervisor in Human and Social Development.

Notification of Records Services

Students who withdraw temporarily from a practicum must notify Records Services in writing. Students who are required to withdraw from a practicum will be withdrawn from any course involved by written notification from the Director to Records Services.

Readmission

Students who have withdrawn from a practicum for whatever reason who later wish to reenter the practicum must apply for readmission to the course and should not assume that readmission is guaranteed.
Appeals
The normal avenues of final appeal, page 39, are available to students who have been required to withdraw from a practicum. Students in the Faculty of the Human and Social Development may follow regular appeal procedures within the Faculty.

Standing at Graduation
For degrees granted in the Faculty of Human and Social Development, the designation “with distinction” shall be awarded to a student with a graduation Grade Point Average of at least 7.5 who is in the top 15 percent of graduates in his or her program.
This policy is not yet effective. Please see “With Distinction”, page 39.

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/>
Taiaiake Alfred, BA (Concordia), MA, PhD (Cornell), Associate Professor
Jeff Corntassel, BA (UC, Irvine), MA, PhD (Arizona), Assistant Professor
Lisa Hallgren, BA (SFU), MA (UBC), Program Manager
Vanessa Watts, BA (Trent), MA (UVic), Program Assistant

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 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 curriculum. 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, in a delivery format designed so that students attend 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: <www.cyc.uvic.ca>

Daniel Scott, BA (York), MA, PhD (UVic), Director and Associate Professor
James Anglin, BA (Car), MSW (Brit Col), PhD (Leicester), Professor and Associate Vice-President
Academic/Director of International Affairs
Sibylle Artz, BA, MA, PhD (UVic), Director and Professor
Jessica Ball, BA (UBC), MA, MPH, PhD (Berkeley), Professor
Gordon Barnes, BSc (Man), BA (Winn), MA, PhD (York), Professor
Marie Hoskins, BA (UBC), Med, PhD (UVic), Professor
Valerie Kuehne, BScN (Alta), MEd (Loyola), PhD (Northwestern), Professor and Vice-President, External Relations
Alan Pence, BA, MS (Portland St), PhD (Ore), Professor
Roy Ferguson, BA, PhD (Alta), Associate Professor
Douglas Magnuson, BA (Bethel), MA, PhD (U of MN), Associate Professor
Sandrina de Finney, BSc (UVic), PhD (UVic) Candidate, Assistant Professor
Veronica Pacini-Ketchabaw, BA, Med (York), PhD (U of T), Assistant Professor
Jennifer White, BA (UVic), MA (UBC), EdD (UBC), Assistant Professor
Shanne McCaffrey, BEd (Sask), MA, (UVic), Senior Instructor
Greg Saunders, BA, MA (UVic), Senior Instructor
Jin-Sun Yoon, BA, MEd (UBC), Senior Instructor

GENERAL INFORMATION

School Mission Statement
The School of Child and Youth Care provides education, training, professional development and research for the care and support of children, youth, families and their communities. The work of the School of Child and Youth Care is grounded in the principles of inclusion, social justice and ethical practice.

A Professional Education Program for Practicing Professionals
The School of Child and Youth Care at UVic offers professional education to human services practitioners working with children, youth and their families. Graduates of the program are employed in front-line, supervisory and leadership positions in ministries and agencies throughout British Columbia and across North America. Employment opportunities exist in child welfare and child protection, social and mental health services, child day care centres, hospitals, schools, youth corrections agencies, infant development programs, child and youth advocacy programs, and a range of other community-based settings.

CHILD AND YOUTH CARE PROGRAMS

Students in the degree program in Child and Youth Care will integrate theoretical perspectives on human growth and development, behavioural change, and understanding and use of self and relationship with applied practice skills. Field-based practicum placements are a requirement during the second, third and fourth years of the program.

Graduate Program
The School offers an MA in Child and Youth Care. For more information about this program, see the UVic Graduate Calendar.

Program Options for Students
The School of Child and Youth Care offers a distance, blended and/or campus-based course delivery options for the CYC degree program. Our distance and distributed education option supports learners to remain in their home communities and continue their employment while participating in interactive distance courses. Our courses blend web-classrooms with video and other communications technologies to create effective learning environments that allow students to work both collaboratively and independently. In addition to the traditional classroom environment, students may also choose to participate in the SCYC community. This community provides all students with the opportunity to build new relationships and understandings outside the walls of the classroom.

Students participating in the CYC degree program through distance education are required to attend one 6-day seminar on campus. Distance delivery is available throughout Canada and may be available to students in other locations by special arrangement.

SCHOOL OF CHILD AND YOUTH CARE ADMISSIONS

Students are selected on the basis of personal and professional suitability as well as academic standing. An interview may be required as part of the application process. Paid or volunteer experience with children and/or youth is considered in the admission decision. Application information and forms are available on the SCYC website: <www.cyc.uvic.ca>.

Admission Requirements

Year 1:
Admission requirements for applicants from secondary school are the same as those for Humanities and Social Sciences (see page 22).

Year 2:
Students are eligible to apply to the School of Child and Youth Care’s Year 2 upon completion of a minimum of 12 units of university credit or its recognized equivalent (e.g., college transfer credit). Year 1 courses may be required.

Year 3:
Students are eligible to apply to Year 3 upon completion of one of the following and may be required to complete some courses from Years 1 and 2.

1. A Human Service diploma from an accredited institution with an overall GPA of B and completion of 3 units of University transfer English with a minimum grade of C+.

Students from diploma programs which articulate into Year 3 MAY be required to complete some Year 2 courses. Students from diploma programs without an articulation agreement WILL be required to complete some courses from Year 1 and 2. For more information on articulation agreements please visit the BC Child and Youth Care Education Consortium website at <www.cyccee.bc.ca>.

2. Admission to Year 3 is based on completion of a minimum of 27 units including the required course for Years 1 and 2 of the program as stated in the current UVic Calendar. Equivalencies may be considered for some courses.

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 Year 1 courses (12 units minimum) may be considered for admission in the Pre-CYC admission category to the University under the Special Category provision. Upon successful completion of these courses, students may apply to Year 2 of the Child and Youth Care degree program.

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 consequent 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 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
Applicants must submit an application for admission to UVic’s Undergraduate Admissions. Applicants to Years 2 and 3 must also submit a SCYC application to the School by February 28. Application forms for the School of Child and Youth Care can be downloaded from the SCYC website: <www.cyc.uvic.ca>.

Returning Students
Returning students to the University of Victoria must submit an application for reregistration to UVic Records Services. Applicants to Years 2 and 3 must also submit a SCYC application to the School by February 28. Application forms for the School of Child and Youth Care may be downloaded from the SCYC website: <www.cyc.uvic.ca>.
### 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.cycec.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 within a special course section dedicated specifically to this function.

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 information on deadlines. Access to flexible assessment in any particular year is dependent upon the availability of resources within the School.

No fourth-year courses may be completed by prior learning assessment.

#### Standing
Students whose sessional GPA falls below 3.0 or who fail to receive a C+ in any core CYC or other required course may be required to withdraw from the program.

### Program Requirements

#### Child and Youth Care Course Information
Note: The following requirements are for students entering the new four-year degree program. The transition process to the new program will occur until 2010. Consequently, the course requirements for students currently admitted to the School or new students entering the second or third year of the degree program will be the same as previously existed.

- Students need a minimum of 60 units to graduate; 30 of these must be UVic units. CYC core courses total 48 units and an additional 3 units of 100 level English with a minimum grade of C+ is required.
- All 100 and 200-level courses, except practicum, are available by on-campus and distance delivery to both CYC and non-CYC students.
- 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.

### Degree in Child and Youth Care Required Courses

#### First Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYC 100 (3.0)</td>
<td>Introduction to Professional Child and Youth Care Practice</td>
</tr>
<tr>
<td>CYC 152 (1.5)</td>
<td>Introduction to Helping Skills in Child and Youth Care Practice</td>
</tr>
<tr>
<td>CYC 166A (1.5)</td>
<td>Lifespan Development (Conception to Late Childhood)</td>
</tr>
<tr>
<td>CYC 166B (1.5)</td>
<td>Lifespan Development (Adolescence to Late Adulthood)</td>
</tr>
<tr>
<td>CYC 171 (1.5)</td>
<td>Introduction to Families: Issues, Patterns, and Processes</td>
</tr>
</tbody>
</table>

#### Second Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYC 205 (3.0)</td>
<td>Applying Change Theory in Child and Youth Care Practice</td>
</tr>
<tr>
<td>CYC 210 (3.0)</td>
<td>Supervised Practicum I Introduction to Practice in Relation to Aboriginal Contexts</td>
</tr>
<tr>
<td>CYC 230 (1.5)</td>
<td>Ethical Decision Making in Child and Youth Care Practice</td>
</tr>
<tr>
<td>CYC 240 (1.5)</td>
<td>Introduction to Law in Child and Youth Care Contexts</td>
</tr>
<tr>
<td>CYC 250 (1.5)</td>
<td>Introduction to Group Work in Child and Youth Care Practice</td>
</tr>
<tr>
<td>CYC 265 (1.5)</td>
<td>Child and Youth Care Practice with Families</td>
</tr>
<tr>
<td>CYC 266 (1.5)</td>
<td>Child and Youth Care Practice</td>
</tr>
</tbody>
</table>

#### Third Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYC 310 (4.5)</td>
<td>Supervised Practicum II Applying Developmental Theory in Child and Youth Care Practice</td>
</tr>
<tr>
<td>CYC 338 (3.0)</td>
<td>Applying Law in Child Protection and Child and Youth Care Practice</td>
</tr>
<tr>
<td>CYC 350 (1.5)</td>
<td>Disability and Child and Youth Care Practice</td>
</tr>
<tr>
<td>CYC 364 (1.5)</td>
<td>Applying Assessment and Case Planning in Child and Youth Care Practice</td>
</tr>
</tbody>
</table>

#### Fourth Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYC 410 (4.5)</td>
<td>Advanced Supervised Practicum</td>
</tr>
<tr>
<td>CYC 423 (1.5)</td>
<td>Research Methods in Child and Youth Care</td>
</tr>
</tbody>
</table>

#### Specialization Streams

- **Child Protection Stream**: The School of Child and Youth Care offers a number of specialization streams that students may choose as part of their degree.

#### Early Years Stream

The following courses must be completed to meet the requirements for the Early Years stream:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYC 380 (1.5)</td>
<td>Practices for Young Children and Families</td>
</tr>
<tr>
<td>CYC 381 (1.5)</td>
<td>Leadership, Advocacy and Policy for the Early Years</td>
</tr>
<tr>
<td>CYC 481 (1.5)</td>
<td>Advanced Applied Capacity Building for the Early Years</td>
</tr>
<tr>
<td>CYC 482 (1.5)</td>
<td>Issues of Assessment and Evaluation with Young Children and Families</td>
</tr>
<tr>
<td>CYC 410 (4.5)</td>
<td>Advanced Supervised Practicum</td>
</tr>
</tbody>
</table>

Note: Early Years stream students will not be required to take CYC 463 as part of their core course requirement.

#### Child Life Stream

The following courses must be completed to meet the requirements for the Child Life stream:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYC 461 (1.5)</td>
<td>Child Life Practice in Hospitals and Community Settings</td>
</tr>
<tr>
<td>CYC 410 (4.5)</td>
<td>Advanced Supervised Practicum</td>
</tr>
</tbody>
</table>

Advanced Supervised Practicum (must be completed in a hospital or community health setting)
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 Care 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 procedure should refer to undergraduate admission requirements on page 23.

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 re-enter 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 29). Students will be coded as satisfying the English requirement once UVic Undergraduate Admissions has approved completion of the English requirement. Official transcripts must be submitted to Undergraduate Admissions for English courses completed at another accredited, 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/inpp>.

School of Health Information Science

André Kushniruk, BA (Brock), BSc (Brock), MSc (McMaster), PhD (McGill), Associate Professor and Director

Jochen R. Moehr, Staatssexamen, DrMed (Marburg), Habilitation Medizinische Informatik (Hanover Med School), Professor Emeritus

Denis J. Protti, BSc (Alta), MSc (Man), Professor

Gerhard W. Braun, BA (UVic), MA (UBC), Associate Professor

Francis Lau, BSc (Alta), MSc (Alta), PhD (Alta), Associate Professor

Scott MacDonald, BSc (UVic), MA (Toronto), PhD (Western Ontario), Associate Professor

Elizabeth Borycki, RN, HBScN (Lakehead), MN (Manitoba), Lecturer

Ken Chung, BA (California), MSc (Calgary), Senior Laboratory Instructor

Dave Hutchinson, BSc (Calgary), MSc (Otago), Co-operative Education Coordinator

Visiting, Adjunct and Cross-listed Appointments

Gerrit W. Clements, BA (Calgary), LLB (Alta), Adjunct Professor

John Horne, BA (Victoria), MA (Carleton), PhD (Carleton), Adjunct Professor

Richard Stannwick, MSc (McGill), MD BSc (Manitoba), Adjunct Professor

Bruce Carleton, B.Pharm (Washington), PharmD (Utah), Adjunct Associate Professor

Patricia M. Coward, PhD (Case Western Reserve), MN (Alta), BS(cN (Toronto), Adjunct Associate Professor

Paul D. Fisher, BSc (UVic), MSc, PhD (Alta), Adjunct Associate Professor

Michael R.I. Guerriere, MD (Toronto), Adjunct Associate Professor

Donald W. Jazwinski, BA, MHSA (Alta), Adjunct Associate Professor

Richard Scott, BSc (Plymouth), PhD (Calgary), Adjunct Associate Professor

Daniel Vincent, BScMed (Alberta) 1976, MD (Alberta), RCPC (Canada), ABDA (USA), Adjunct Associate Professor

Marilyne Hebert, BSc (Alberta), PhD (UBC), Assistant Professor (Limited Term)

Ellen Balka, BA (Washington), MA (Simon Fraser), PhD (Simon Fraser), Adjunct Associate Professor

Michael Downing, MD (Western Ontario), Adjunct Assistant Professor

Christopher Eagle, MBA (Western Ontario), MD (Calgary), BSc (Calgary), Adjunct Assistant Professor

2007-08 UVIC CALENDAR

Robert S. Hayward, Master of Public Health (John Hopkins), MD (Queen’s), BA (Yale) IB (United World College of the Atlantic), Adjunct Assistant Professor

Sandra Jarvis-Selinger, BA (Brock), HBA (Lakehead), BED. (Lakehead), M.Ed. (UBC), PhD (UBC), Adjunct Assistant Professor

Stephen Kenny, BSc (Dalhousie), MSc (Alta), Adjunct Assistant Professor

Roman Mateyko, B.A.Sc., (Toronto), Adjunct Assistant Professor

James G. McDaniel, BS (Case Western Reserve), BSc (UVic), MS (Cornell), PhD (UVic), Adjunct Assistant Professor

Howard Pai, MD, MFCP(C) (Western Ontario), Adjunct Assistant Professor

Thomas Rosenthal, MD (Calgary), MSc (Calgary), BSc (Calgary) Adjunct Assistant Professor

Nicola Shaw, PhD (Central Lancashire), BSc (Central Lancashire), Adjunct Assistant Professor

Robert D. Tornack, MBA (City University), BSN (UBC), Adjunct Assistant Professor

HEALTH INFORMATION SCIENCE PROGRAMS

Health Information Science is the study of the nature of information and its processing, application and impact within a health care system. Health Information Science integrates organizational studies, computing and communications technologies, and information systems within the formal study of health care systems.

The School of Health Information Science offers programs leading to a Bachelor of Science in Health Information Science, a four-year Co-operation Education program. Students have the option of choosing either part-time or full-time studies.

The program is normally full-time but under special circumstances with special permission of the director part-time entry may be possible. Typically, to be considered for the part-time option an applicant will have a minimum of one year experience working in a related field. This part-time option is not available through the Combined Major in Computer Science and Health Information Science.

Students are required to apply for either the full-time program or the part-time option. Students in the full-time program will normally be allowed to move to the part-time option. Students in the part-time option will be required to be registered for courses or a work-term in every term and will be required to complete the degree within eight years from the date of admission.

The admission criteria for the part-time option will be the same as listed below. Students who have failed a work term or do not maintain a GPA of 3.5 or better in each academic term, both overall and in Health Information Science courses, will normally be required to withdraw from the School for at least one calendar year.

Unless stipulated otherwise, all students in the part-time option will be bound by the School’s academic regulations and program requirements.
**School Admission Requirements**
Admission to the School of Health Information Science is limited. Students are selected on the basis of grades and a personal written submission. All students upon admission to the School are required to attend a one-hour orientation seminar.

Possession of the minimum admission requirements does not guarantee admission to the School of Health Information Science. Where the number of qualified applicants exceeds the number that can be accommodated, the admission cut-offs will be higher than the minimum published requirements.

**Secondary School Graduates**
Admission requirements for applicants from secondary school are presented on page 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 31.

All new applicants must submit an Application for Admission to the University to Undergraduate Admissions and a Health Information Science Application Form to the School.

UVic students (those seeking admission from another faculty and those previously enrolled in the program) must submit an Application for Reregistration to Records Services and a Health Information Science Application Form to the School.

The School of Health Information Science has two entry dates for admission. Deadlines for the submission of applications are:
- For September entry: March 31
- For January entry: October 31

**Academic Regulations**

**Course Regulations**
Health Information Science students must normally have successfully completed all courses listed under First Year, below, prior to taking 300-level HINF courses.

Students from other schools or departments may take 300- and 400-level courses with the permission of the Director and their respective Director or Chair. If enrollment restrictions are necessary, preference will be given to students registered in the Faculty of Human and Social Development.

**Leave of Absence**
Students must apply in writing to the Director for a leave of absence. Unless given written permission by the School of Health Information Science to take a leave of absence, students who do not reregister will be considered to have withdrawn. Students on leave of absence are considered outside the program and will not be granted work term credit for experience gained during the leave.

**Program Completion Limit**
The Health Information Science Full-Time Program must normally be completed within five years from the date of admission. The Health Information Science Part-Time Option must normally be completed within eight years from the date of admission. The School may require students to reapply for admission and stipulate conditions if the program is not completed within the designated time limits.

**Readmission**
Students required to withdraw will be considered for readmission only after achieving a GPA of 3.5 or higher on a minimum of four courses in one academic term. The School of Health Information Science is under no obligation to readmit students who have been required to withdraw.

To be readmitted to the School, students may be required to repeat Health Information Science courses previously completed if, in the 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, page 115, 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 and
- b) one elective from the Departments of Sociology, Political Science or Anthropology and
- 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**
- CSC 110 (1.5) Fundamentals of Programming: I
- CSC 115 (1.5) Fundamentals of Programming: II
- ENGL 115 (1.5) University Writing
- OR
- ENGL 135 (1.5) Academic Reading and Writing
- ENGL elective (1.5)
- HINF 130 (1.5) Introduction to the Canadian Health Care Systems
- HINF 140 (1.5) Introduction to Health Information Technology
- MATH 131 (1.5) Finite Mathematics
- Electives (3.0 or 4.5) \(^1\)

1. Students without Biology 12 are required to take one of the following:
   - PE 141 (1.5) Introductory Human Anatomy
   - BIOC 102 (1.5) Biochemistry and Human Health
   - BIOC 150A or BIOC 150B (1.5) Modern Biology
   - BIOL 190A (1.5) General Biology I

Students with credit for Biology 12 will take 4.5 units of electives.

**Second Year: First Term**
- HINF 200 (1.5) Principles of Health Database Design
- HINF 230 (1.5) Organizational Behaviour and Change Management
- STAT 252 (1.5) Statistics for Business
- Electives (3.0)

**Second Year: Second Term**
- HINF 201 (1.5) Database Management and Development for Health Care Systems
- HINF 265 (1.5) Health Care Delivery Organization
- HINF 280 (1.5) Biomedical Fundamentals
- Electives (3.0)

**Second Year: May-August**
**Co-op work term**

**Third Year: First Term**
- CSC 375 (1.5) Introduction to Systems Analysis
- HINF 320 (1.5) Project Management
Third Year: Second Term

Co-op work term

Third Year: May-August

HINF 310 (1.5) Electronic Records and Decision Support Systems
HINF 330 (1.5) Legal Issues in Health Informatics
HINF 345 (1.5) Networks, Interoperability and Systems Security
HINF 351 (1.5) Information Technology Procurement
HINF 371 (1.5) Clinical Methodologies

Fourth Year: First Term

Co-op work term

Fourth Year: Second Term

HINF 410 (1.5) Information Management and Technology
HINF 420 (1.5) Societal and Ethical Implications of Information Technology
HINF 450 (1.5) Health Information System Design
HINF 461 (1.5) System Evaluation and Quality Improvement
HINF 470 (1.5) Trends in Health Informatics

Electives (7.5)

Senior Electives

Students are required to select a minimum of 7.5 units from the following courses to complete their degree. The restrictions in course selection are noted below. Students wishing to take 300- and 400-level courses not listed below must receive prior written permission from the Director.

Health Information Science students require permission of the Dean of Engineering to take Engineering courses.

ADMN 424 may not be taken for credit by students of Health Information Science.

ADMN 431 Public Sector Human Resources and Labour Relations
ADMN 437 Program Evaluation and Performance Measurement
ANTH 312 Medical Anthropology
CENG 420 Artificial Intelligence
CSC 360 Introduction to Operating Systems
CSC 450 Computer Communications and Networks
ECON 317 The Economics of Canadian Health Care
GEOG 473 Medical Geography
HSD 400 Policy in the Human Services
POLI 456 The Politics of Information
SOCI 445 Sociology of Health and Illness

Students are restricted to one of:

CSC 350 Computer Architecture
CSC 355 Digital Logic and Computer Organization

Students are restricted to one of:

PHIL 330 Professional and Business Ethics
PHIL 331 Issues in Biomedical Ethics

Students are restricted to one of:

HSD 425 Qualitative and Quantitative Analysis
SOCI 371B Statistical Analysis in Sociology: II

Students are restricted to one of:

PSYC 332 Health Psychology
PSYC 334 Organizational Psychology

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.

Students with a previous degree in Computer Science or a related degree are not eligible for this combined program (see Second Bachelor’s Degree, page 39). Students who have failed a work term or do not maintain a GPA of 3.0 or better in each academic term will normally be required to withdraw from the School for at least one calendar year. This is a full-time program only.

Year 1

HINF 130, 140 ...................................................3.0
MATH 100, 101, 122 ...........................................4.5
CSC 110, 115, 212 ..............................................4.5
ENGL 115 or 135..............................................1.5
Elective1.................................................................1.5

Year 2

HINF 200, 201, 280 ..............................................4.5
1 HINF 200 level .............................................1.5
MATH 222 .......................................................1.5
STAT 255 or 260 ..............................................1.5
CSC 225, 230 ....................................................3.0
SENG 265 .......................................................1.5
ENGR 240 .......................................................1.5

Year 3

3 HINF 300 level ..................................................4.5
CSC 375 ..........................................................1.5
2 of CSC 320, 322, 330, 355, 360, SENG 321 .........3.0
Electives .................................................................6.0

Year 4

2 HINF 400 level ..............................................3.0
3 CSC 400 level ..................................................4.5
Other courses3 ...................................................7.5

1. Students without grade 12 Biology must replace this elective with one of PE 141, BIOL 102, BIOL 150A, BIOL 190A.
2. One of these courses may be SENG at the 400 level.
3. These 7.5 units of other courses must be at the 300 level or higher and include at least 3 units chosen from Health Information Science, Computer Science or SENG.

Fourth Year: May-August

Electives (7.5)

2007-08 UVIC CALENDAR

Co-operative Education

Please refer to page 45 of the Calendar for the general description of Co-operative Education.

The distinguishing feature of the Co-operative Education approach is the inclusion, as an integral part of the degree, of three work terms 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 office, by the end of the first month of the work term. Students not registered by that time will not receive credit for that work term.

Students are expected to participate fully in the placement process. While every attempt will be made to ensure that all eligible students are placed, the School of Health Information Science is under no obligation to guarantee placement. Students who decline a valid co-op job offer are ineligible to participate in the placement process for the remainder of that term. Work terms in Victoria are not guaranteed.

Work Term Assessment

The work term performance of each student will be assessed on the basis of:

1. the employer's evaluation of the student
2. the submission of a work term report by the specified deadline as follows:
   - Fall Work Term Report January 15*
   - Spring Work Term Report May 15*
   - Summer Work Term Report September 15*
3. an evaluation made by the co-ordinator based on discussion with the student and the employer.

*If the due date falls on a holiday or weekend, the report will be due the next business day.

During work terms, students are employed in full-time, health care related jobs in either the public or private sector. For all practical purposes, Co-operative Education students on work terms are regular employees and receive salary and benefits in accordance with the employer's policy. Both the employer and the University evaluate the student's performance on each work term. Each work term is recorded on the student's Official Transcript of Academic Record (as COM, N 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 Co-operative Education Program. In addition to completing their degree requirements, they must complete a minimum of three work terms with at most two in one department, and be enrolled
in a minimum of six units of course work each campus term in order to graduate in this program. Work terms are to be distributed between the two programs, with no more than two work terms being taken in one program.

School of Nursing

P. Jane Milliken, BScN, MA, PhD (Alta), Associate Professor, and Interim Director of the School
Elizabeth Banister, BSN (Alta), MA, PhD (Victoria), Professor
Elaine M. Gallagher, BSc (Windsor), MSc (Duke), PhD (S Fraser), Professor
Virginia Hayes, BScN (Windsor), MN (Dal), PhD (U of Calif), Professor
Marcia D. Hills, BScN (Alta), MA, PhD (Victoria), Professor
Anita E. Molzahn, BSc, MN, PhD (Alta), Professor
Rita S. Schreiber, BA (Franklin and Marshall College), MSN (U of Minnesota), DNS (State Univ of New York), Professor
Gweneith A. Doane, BSN, MA, PhD (Victoria), Associate Professor
Marjorie MacDonald, BN (Calg), MSc (Wat), PhD (Brit Col), Associate Professor and Associate Director, Graduate Education
Marjorie McIntyre, BScN (Victoria), MSN (Brit Col), PhD (U of Colorado), Associate Professor
Deborah Northrup, BN, MN (Dal), PhD (U of Texas), Associate Professor
Mary Ellen Purkis, BScN, MSc, PhD (Edin), Associate Professor and Associate Dean of Faculty
Laurene E. Sheilds, BScN (Victoria), MS, PhD (Ore), Associate Professor and Associate Dean of Faculty, Academic
Rosalie Starzomski, BScN, MSc (Dal), PhD (Brit Col), Associate Professor
Lynne Young, BSN, MSN, PhD (Brit Col), Associate Professor, Associate Director of Research and Scholarship
Anne Bruce, BScN (Victoria), MSN, PhD (Brit Col), Assistant Professor
Esther Sangster-Gormley, BScN, MS (U. S. Florida), PhD (Dalhousie), Assistant Professor
Janice McCormick, BSc (Man), MScN, PhD (Brit Col), Assistant Professor
Carol McDonald, BSN, PhD (Calg), Associate Professor
Karen MacKinnon, BSN, MSN (Torr), PhD (Calg), Assistant Professor
Joan MacNeil, RN, BscN (U of Ab), MHSc (McMaster), PhD (Wayne State U), Assistant Professor
Wendy Neander, BSc (U of Wisconsin), BscN (Arizona State U), MN (Alta), Assistant Professor (Limited Term)
Heather Pattullo, BScN (U of New Brunswick), MEd (Brit Col), Assistant Professor (Limited Term)
Bernie Pauly, RN, BSN, MN (U of Ab), PhD (Uvic), Assistant Professor
Kelli Stajduhar, BScN (Victoria), MS, PhD (Brit Col), Assistant Professor
Cathleen DeSantis, BScN (Victoria), BScN (U of Calgary), MA, PhD (McMaster), Adjunct Assistant Professor
Lynne Young, BScN (Victoria), BScN (U of Ab), PhD (Uvic), Assistant Professor
Lisa Constable, BScN (Victoria), MScN (Brit Col), Adjunct Assistant Professor
Anita E. Molzahn, BSc, MN, PhD (Alta), Professor
Rita S. Schreiber, BA (Franklin and Marshall College), MSN (U of Minnesota), DNS (State Univ of New York), Professor
Gweneith A. Doane, BSN, MA, PhD (Victoria), Associate Professor
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Lynne Young, BSn, MSN, PhD (Brit Col), Associate Professor, Associate Director of Research and Scholarship
Anne Bruce, BScN (Victoria), MSN, PhD (Brit Col), Assistant Professor
Esther Sangster-Gormley, BScN, MS (U. S. Florida), PhD (Dalhousie), Assistant Professor
Janice McCormick, BSc (Man), MScN, PhD (Brit Col), Assistant Professor
Carol McDonald, BSN, PhD (Calg), Associate Professor
Karen MacKinnon, BSN, MSN (Torr), PhD (Calg), Assistant Professor
Joan MacNeil, RN, BscN (U of Ab), MHSc (McMaster), PhD (Wayne State U), Assistant Professor
Wendy Neander, BSc (U of Wisconsin), BscN (Arizona State U), MN (Alta), Assistant Professor (Limited Term)
Heather Pattullo, BScN (U of New Brunswick), MEd (Brit Col), Assistant Professor (Limited Term)
Bernie Pauly, RN, BSN, MN (U of Ab), PhD (Uvic), Assistant Professor
Kelli Stajduhar, BScN (Victoria), MS, PhD (Brit Col), Assistant Professor

Lists of Full-time Campus Based Faculty of the School of Nursing at UVIC

YELLLOW KNIFE

- Coleen Heenan, BSN (Brit Col), MS (U of PORTLAND), Senior Instructor
- Mary Lougheed, BscN (Alta), MN (Victoria), Senior Instructor
- Jeannine Morneau, BSN, MN (Victoria), Senior Instructor, Associate Director Undergraduate Education
- Sharon Ronaldson, BSN, MEd, PhD (Brit Col), Senior Instructor (Limited Term)
- Maureen Ryan, RN (Dalhousie U), MSN (Calgary), Senior Instructor
- Margaret Scalia, BSN (Brit Col), MN (Calgary), Senior Instructor
- Robin Scobie, BscN (U of Tor), MSN (U of Tor), Senior Instructor
- Nancy Wright, BSN, MN (Victoria), Senior Instructor
- Marilyn Brown, BA (Wat), MEd (Victoria), Program Director, Distance Education
- Joan Gillie, BA (USP), MA (Victoria), Coordinator, Student Affairs
- Carolyn Hammond, BSN (Brit Col), MN (Victoria), Practica Coordinator
- Lori Klear, BA (Victoria), Admissions/Liaison Officer
- Cindy MacDonald, Program Assistant, Distance Education
- Diane MacLeod, BSN (St Francis Xavier), Practica Coordinator
- Katrina Pandak, BA (Victoria), Admissions/Liaison Officer
- Kara Schick Makaroff, BSN (U of Sask), MN (Victoria), Practica Coordinator
- Diana Walton, Administrative Coordinator

The Collaborative for Academic Education in Nursing (CAEN)

The School of Nursing offers a program of studies leading to a BSN for registered nurses and for students continuing in the Collaboration for Academic Education in Nursing (CAEN). A current list of partner institutions is available from the University of Victoria School of Nursing website: <http://nursing.uvic.ca>.

The School of Nursing has three campuses:

- Victoria campus, located at the University of Victoria, Victoria, BC
- Castlegar campus, located at Selkirk College, Castlegar, BC
- Yellowknife campus, located at Aurora College, Yellowknife, NT

All three campuses offer CAEN continuing students the opportunity to complete the BSN through full-time, on-campus study. The Victoria campus is also the administrative centre for the Post-Diploma Distance Program through which post-diploma students residing in Canada or the USA may complete the BSN degree program by distance education.

The purpose of these programs is to educate nurses to work with individuals, families, groups or communities from a health promotion perspective and an ethic of caring. The CAEN curriculum is based on a philosophy which reflects a commitment to implement a phenomenological and socially critical curriculum which considers the changing health care needs of our society. The philosophy is considered to be alive and evolving. Emerging from the philosophy is the metaconcept of caring. Caring is understood...
as the attitude and activity of nursing, and is considered in every nursing course.

Emerging from this philosophical orientation is a health promotion perspective that has been used as a conceptual framework to organize the curriculum. This framework acknowledges the need for a socio-ecological perspective with a multidisciplinary focus. This shift in focus from illness to health represents a deliberate move away from a medical model to an understanding of nurses’ work as focusing on people and their experiences with health and healing. Inherent in this orientation is the use of innovative teaching methodologies which encourage the development of critical thinking, discovery of personal meaning and empowerment.

Another unique feature of this curriculum is the emphasis on practice experience as the foundation of nursing theory and the recognition that nurses’ work requires thoughtful, reflective action as defined by the concept of praxis. To assist in actualizing the concept of praxis, nursing practice experiences have been planned and integrated throughout the program of studies. The University of Victoria School of Nursing offers students two learning options, described below.

**Continuing Program (Victoria, Castlegar and Yellowknife Campuses)**

This option requires completion of the program of studies in its entirety, leading to the degree of BSN. Students choosing this option enter the program at a designated CAEN partner institution. On completion of five semesters and two consolidated practice experiences, students, if admitted, may transfer to the University of Victoria School of Nursing in order to complete four additional semesters to graduate with a BSN degree.

Continuing students are not usually permitted to register in condensed on-site nursing electives due to scheduling conflicts with other on-campus required nursing courses or consolidated practice experiences. Registration priority in distance courses is usually granted to distance students.

If there is a discrepancy between the scheduled dates for reading break in the UVic, Selkirk and Aurora calendars, the Selkirk and Aurora dates will be considered correct for students attending on those campuses only.

**Post-Diploma Program (Distance Education)**

The entire BSN program is available to post-diploma students in Canada and the USA by distance learning. Distance education courses are offered according to a pre-planned schedule. Most core courses are offered three terms per year, and advanced nursing electives are usually offered once a year.

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 (excepting condensed on-site electives for distance students) is granted to on-campus Continuing students. Post-diploma students may apply to register in on-campus courses, space permitting, on a case-by-case basis.

**School Admission Requirements**

**Entry Dates**

The School of Nursing has two entry dates for admission (dependent upon the student’s program of study). Deadlines for the submission of applications are:

- For September entry: March 31
- For January entry: September 30

**Continuing Program Admission Requirements (Victoria, Castlegar, and Yellowknife campuses)**

Please note that acceptance to and completion of the college portion of the program does not ensure a place in the University of Victoria School of Nursing; students are admitted to the program as resources permit in accordance with a selection process developed by the School of Nursing.

Students continuing from partner institutions in the Collaboration for Academic Education in Nursing must:

1. Meet UVic admission requirements (including the UVic English requirement) when entering the School of Nursing at UVic.
2. Successfully complete all courses in the CAEN Terms 1-5, and the two consolidated practice experiences, with a cumulative GPA equivalent to 3.0 on the UVic 9.0 point scale. (Please note that college and UVic GPAs may not be equivalent. UVic includes repeated and failed courses in the GPA calculation for all required CAEN courses, including the required English, Biology and elective courses). Students who fail any required CAEN course must successfully repeat that course prior to acceptance to UVic. Students who fail a nursing practice course in Terms 1-5 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.
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 BSN program.
6. 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.
7. Complete an HSPNet Form.

**Additional Requirements**

1. It is recommended that applicants provide evidence of complete current immunizations upon admission to the program. All students must keep immunizations updated and provide documentation to practice agencies when required.
2. It is the responsibility of students transferring from a CAEN partner to UVic part-way through year 3 or 4 to contact an Admissions/Liaison Officer for information regarding admission procedures, residency requirements and course sequencing. Students transferring mid-program may be required to repeat course work to meet graduation requirements.

**Note:** All Students must maintain basic and extended health care insurance coverage throughout the program.

**School Academic Regulations**

**Prior Learning Assessment**

Prior learning assessment (PLA) is assessment by a qualified faculty member of what has been learned through non-credit education, training, and/or experience, that is comparable to, at the level of, and worthy of credit for a specific course in the program.

In the School of Nursing, the assessment of prior learning will be completed by a faculty member teaching the course or a faculty member with expertise in the content area under study in the course, in consultation with appropriate external advice if necessary. Normally, only students who have been admitted to the BSN program can apply for PLA.

Prior learning must be documented in a portfolio. Students are responsible for articulating their knowledge, skills, abilities and values.
based on documentation that provides evidence of learning. The portfolio should include:

a) past work experience, volunteer experience, and non-formal learning activities

b) a description of competencies, knowledge and skills in narrative form that will convey to the faculty member conducting the assessment that the student has the knowledge described in the course description

c) documentation of competencies, knowledge and skills through such materials as transcripts, job descriptions, performance appraisals, samples of work, testimonials, awards, previous credentials, or other materials that document the learning that has occurred

Initial inquiries should be directed to the School of Nursing, where application forms may be obtained. The PLA fee must be paid prior to the assessment. Once the application has been approved, the PLA fee is not refundable. Students who are requesting prior learning assessment are advised to consult with the Coordinator, Student Affairs, who will refer them to an appropriate faculty member.

Students who successfully demonstrate prior learning will receive credit for the course specified, as well as a grade, using the same grading scheme that is used in similar courses offered on campus. The student's academic record will reflect that the grade was obtained through PLA. No course whose equivalent already appears on a student's transcript may be completed by PLA.

A maximum of three units of academic credit may be obtained through PLA. Credit by PLA is specific to the School of Nursing BSN program and is not necessarily transferable to other programs or universities.

Access to the assessment of prior learning is dependent upon availability of resources.

Professional Conduct and Student Progression

Student Progress and Information Sharing

Within the University of Victoria School of Nursing, we are committed to open, transparent processes of evaluation. This means that we 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” and “Regulations Concerning Practice”, page 115, and be aware of the consequences of unprofessional conduct, and are subject to the provisions of the Canadian Nurses' Association (CNA) Code of Ethics for Registered Nurses and the College of Registered Nurses of British Columbia (CRNBC) professional and/or practice standards (or the equivalent in the province/territory/state in which the student practices). In addition to the above, the following School of Nursing practice regulations apply:

1. Where a student is enrolled in a Nursing Practice course (including NURS 345, 351, 370, 431, 470, 475, 491, 495) and there are reasonable grounds to believe that the student has completed the course in such a manner as the instructor deems appropriate and/or
2. a report has been received that a student has breached the HSD Faculty Guidelines for Professional Conduct and Regulations Concerning Practice, the Canadian Nurses’ Association (CNA) Code of Ethics for Registered Nurses or the College of Registered Nurses of British Columbia (CRNBC) professional and/or practice standards (or the equivalent in the province/territory/state in which the student practises), the course instructor may then:

a) restrict activities of the student in the course in such a manner as the instructor deems appropriate and/or
b) suspend the student’s continued participation in the course prior to the course end date and/or

Program Completion Limit

The nursing program at the University of Victoria must normally be completed:

• Continuing Program: within seven years from the date of admission to the School of Nursing at the designated CAEN partner institution
• Post-Diploma Program: within six years

The School may require students to reapply for admission and stipulate conditions if the program is not completed within the designated time limits. Students seeking readmission to the School may be required to repeat nursing courses previously completed if, in the 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 fail below this level will be required to discuss their program with the Director of the School or designate, and may be required to withdraw.

Normally, all students registered in any nursing practice course must pass each course before proceeding further through the program. Students may, with permission of the designated committee, repeat a failed nursing practice course and will be placed on nursing practice probation for the remainder of the program. The privilege to repeat a failed nursing practice course is allowed only once in the program (Years 1 to 4 for continuing students and years 3 and 4 for post-diploma students). (See also Professional Conduct and Student Progression, above).

Students who have failed two practice courses in the program will be required to withdraw. All failed or incomplete course grades are permanently recorded on official transcripts, including notations of probationary status and required-to-withdraw status. Students may follow the UVic appeal procedures regarding failed grades and required-to-withdraw status. The first step in any appeal is the Director, followed by the Dean of the Faculty, followed by Senate.

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 7.5 is the lower limit for the degree notation “With Distinction” for students who are in the top fifteen percent of graduates in the BSN program. This policy is not yet effective, please see “With Distinction”, page 39.

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 for Registered Nurses and/or to the professional and practice standards (or equivalent) of the Registered Nurses' licensing organization in the jurisdiction in which they are undertaking their practice experience. Students who fail to adhere to these codes and standards may be required to withdraw from the program.

Please refer to the Faculty's "Guidelines for Professional Conduct" and "Regulations Concerning Practica", page 115.

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 CRNBC 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 register as student members of the CRNBC; 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.

Practicing Registration (Post-Diploma students only) and Malpractice Insurance (Post-Diploma USA students only)
In addition to the above requirements, all post-diploma students must have active practising registration as a Registered Nurse or the equivalent registration for the jurisdiction in which they are undertaking their practice experience. Periodically, information provided by students will be checked. Please note that students studying outside of BC are required to submit verification of active practising registration to the School of Nursing annually. Students studying in the US must also provide proof of current malpractice insurance, annually, for the duration of the program.

Post-diploma students may complete practice requirements in their place of work during paid working hours if arrangements have been negotiated with the workplace according to School of Nursing guidelines. Appropriate documentation must be submitted to the School of Nursing prior to practice commencement. Contact the Practica Coordinator for further information and guidelines.

BSN Graduation Requirements
Minimum Degree Requirements
A minimum of 21 units of course work must be done through the University of Victoria by all students, although students are encouraged to complete as much of their course work as possible from the University of Victoria.

To meet University of Victoria graduation requirements, at least 21 units must be numbered at the 300 or 400 level (see Minimum Degree Requirements for Graduation, page 39).

Continuing students must complete 31.5 units of course work of which no more than 3.0 units may be transfer credit.

Post-diploma students must complete 24 units of course work of which no more than 3.0 units may be transfer credit.

Transfer Credit
Students may be permitted, with the approval of the Director or designate, to present up to 3 units of transfer credit from institutions other than the University of Victoria. Course work can be completed college or university level post-basic certificate/diploma programs and/or approved university-level nursing and/or non-nursing courses. Students are advised to ensure the acceptability of such courses by the School of Nursing before enrolling in them. Students enrolled in the on-campus Continuing Program are not permitted to apply the Douglas College Breastfeeding course as credit toward the BSN program.

University English Requirement
All students must meet the Undergraduate English requirement, page 29.

Post-diploma students who do not meet the University of Victoria's English requirement upon admission to the program are advised to register in English 115* online (by distance education) during their first or second term of study in the program. Please consult the appropriate WebReg guide for registration information, or contact the School of Nursing Adviser. Nursing students registering in the online English 115 course are NOT required to write the LPI examination, but may register directly in the course.

Early completion of the English requirement will facilitate writing academic papers. Students who have not satisfied the English requirement by the time they have completed 12 units of course work after admission to the BSN program (including courses completed elsewhere) will be ineligible for reauthorization and registration in future sessions until the requirement is satisfied.

Completion of English 115* will satisfy the non-nursing elective requirement in the program, if needed.

* or transferable equivalent course

2007-08 UVIC CALENDAR

Continuing Students: CAEN Curriculum Course Sequence

<table>
<thead>
<tr>
<th>Term</th>
<th>Course Code(s)</th>
<th>Course Name(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>NURS 341 (1.5)</td>
<td>Professional Growth III: Nursing Inquiry</td>
</tr>
<tr>
<td></td>
<td>NURS 350 (1.5)</td>
<td>Health IV: Health Promotion and Community Empowerment</td>
</tr>
<tr>
<td></td>
<td>NURS 351 (1.5)</td>
<td>Health Practice VI</td>
</tr>
<tr>
<td></td>
<td>NURS 352 (1.5)</td>
<td>Self and Others III: Reflection of Caring Practice</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Non-nursing elective (1.5)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term</th>
<th>Course Code(s)</th>
<th>Course Name(s)</th>
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</thead>
<tbody>
<tr>
<td>7</td>
<td>NURS 370 (4.5)</td>
<td>Consolidated Practice Experience III</td>
</tr>
<tr>
<td></td>
<td>NURS 470 (4.5)</td>
<td>Consolidated Practice Experience IV</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term</th>
<th>Course Code(s)</th>
<th>Course Name(s)</th>
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</thead>
<tbody>
<tr>
<td>8</td>
<td>NURS 430 (1.5)</td>
<td>Professional Growth V: Nurses Influencing Change</td>
</tr>
<tr>
<td></td>
<td>NURS 431 (1.5)</td>
<td>Nursing Practice VII</td>
</tr>
<tr>
<td></td>
<td>NURS 360 (1.5)</td>
<td>Professional Growth IV: Research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nursing elective (1.5)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term</th>
<th>Course Code(s)</th>
<th>Course Name(s)</th>
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<tbody>
<tr>
<td>9</td>
<td>NURS 475 (4.5)</td>
<td>Consolidated Practice Experience V</td>
</tr>
<tr>
<td></td>
<td>NURS 491 (4.5)</td>
<td>Nursing Practice VIII: Transitions</td>
</tr>
</tbody>
</table>

Note: Practice Course and Co-requisite Theory Course Section Changes - Continuing students only. For all required practice courses (NURS 351, 431, 370, 470, 475 and 491) all continuing on campus students will register in a single section for each course. The School of Nursing will then register students into multiple sections of the course at a later date, prior to the beginning of the term. The following factors are taken into consideration when students are placed in their section of the course:

- Students working in pairs and/or the same agency/unit will usually be in the same section
- Usually an agency/unit will have the same instructor for all students placed there; instructor assignments are made by the School of Nursing in consultation with instructors
- The School of Nursing also considers the variety of placements in seminar groups so that there is representation from different agencies in each group in order to enrich the learning environment

Students may be also moved by the School of Nursing into another of the co-requisite theory course sections (NURS 350 or 430)

Post-Diploma Students: CAEN Curriculum Course Sequence

<table>
<thead>
<tr>
<th>300 Level</th>
<th>Course Code(s)</th>
<th>Course Name(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NURS 325 (or NURS 320) (1.5)</td>
<td>Explorations of Nursing Knowledge and Practice</td>
</tr>
<tr>
<td></td>
<td>NURS 345 (or NURS 330 and 331) (3.0)</td>
<td>Family Nursing</td>
</tr>
<tr>
<td></td>
<td>NURS 341 (1.5)</td>
<td>Professional Growth III: Nursing Inquiry</td>
</tr>
</tbody>
</table>
Frank Cassidy, BBA (CCNY), MA, PhD (Stan), Associate Professor
Emmanuel Brunet-Jailly, BA Law (University of Aix-Marseille III), MA (Virginia Polytechnic Institute and U of Paris), Post Graduate Degree in Management (Conservatoire National des Arts et Métiers), PhD (UWO), Assistant Professor
Lynda Gagné, BA, MA (SFU), PhD (UBC), Assistant Professor
Cosmo Howard, B Comm (Honours) (Griffith University), PhD (Australian National University), Cross listed Assistant Professor
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 (London School of Economics), PhD (U of London), Assistant Professor
Laura J. Black, BA (McGill), MA (Waterloo), Co-operative Education Coordinator. On secondment to Social Sciences Co-op until September 2006
Heather A. Kirkham, BA (Lethbridge), Program Manager, Diploma and Professional Programs
Barbara Svec, MPA (UVic), Co-operative Education Coordinator
Jill Taylor, BA (UofA), MED (Canberra), Administrative Officer
Cindy Vallance, BA (Emily Carr), Manager, Centre for Public Sector Studies

**Public Administration Programs**

**English Requirement**

Students are expected to meet the UVic Undergraduate English requirement, which can be done through the procedures outlined in this Calendar or by preparing a writing portfolio for review by the Director of the Writing Program. Contact the Program Manager for details.

**Graduate Programs**

For information on studies leading to the MPA Degree, see the UVic Graduate Calendar.

**Diploma in Public Sector Management**

The School of Public Administration offers a part-time, off-campus program of studies leading to the Diploma in Public Sector Management, which is available via distance education plus (in some courses) workshops. The program is intended for practising or prospective managers in the public and non-profit sectors who wish to acquire the skills and background necessary for effective and responsible management, and who are interested in broadening their understanding of the administrative process.

The Diploma will be awarded upon successful completion of 11 courses or 16.5 units, with an overall GPA of at least 2.0.

**Admission**

Courses are taught at a level which is consistent with other third- and fourth-year undergraduate courses offered at the University of Victoria; applicants will be required to demonstrate that they possess the academic proficiency necessary to benefit fully from the program.

Students without a bachelor’s degree will normally be expected to have completed the equivalent of at least the first two years of post-secondary education at a university or at institutions such as BCIT, community colleges or recognized professional associations.

Candidates without formal post-secondary qualifications but with demonstrable appropriate experience may be admitted as conditional students, with continuation in the program subject to performance in the first three courses with a grade of C+ or better.

In addition to academic background, all applicants should have a minimum of three years’ experience in dealing with issues characteristic of the public sector and/or non-profit sector. A limited number of students not formally admitted to the program may register for individual courses with the permission of the Director of the School of Public Administration. Inquiries about the program should be forwarded to:

Program Manager
Diploma in Public Sector Management
Admission to the Diploma in Public Sector Management from UVic's Certificate in the Administration of Indigenous Governments

Students who have completed the CAIG may apply for admission to the Diploma in Public Sector Management. To meet the DPSM requirements, students must complete ADMN 310, 314, 420 and 431. The Diploma's requirement of ADMN 316 will be waived if a student has credit for IGOV 380.

Note: Students who completed the (former) Certificate in Administration of Aboriginal Governments (CAAG) must, upon admission to the DPSM, complete ADMN 310, 311, 312, and one of ADMN 314, 420 or 431.

Transfer Credit

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 University.

At the discretion of the Director, block transfer credit of up to 4.5 units may be allowed for other post-secondary certificates or diplomas if the program covers appropriate topics.

Some courses in this program may be applied to a Diploma in Local Government Management (see below).

Transfer from UVic's Certificate in Public Management

Upon completion of UVic's eight-course Certificate in Public Management, students may be admitted to the DPSM Program with advanced standing in five courses (7.5 units). Students must complete ADMN 310, 312, 316, 420, 431 and one other ADMN course. The following courses are waived towards their DPSM requirements and students are not permitted to take these courses for further credit towards the DPSM: ADMN 311, 314, 421, 422 and 437.

Transfer Credit from the School's Professional Specialization Certificates

Upon admission to the Diploma in Public Sector Management Program, students who hold a Professional Specialization Certificate from the School may transfer four courses (6 units) into the DPSM. Students will be required to meet the Diploma requirements by completing at least seven 1.5 unit ADMN courses (not duplicating courses already taken in the Certificate). The combination of the PSC and Diploma must include ADMN 310, 311, 312, 314, 316, 420, 421 and 431.

Transfer Credit from Capilano 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.

Transfer to UVic Degree Programs

Credit obtained within the Diploma in Public Sector Management program, less any credit transferred to the DPSM from a Certificate or Certificates in Administration of Indigenous Governments, Public Management, or Professional Specialization may be transferable to a regular undergraduate degree program. However, such transferability of credit, including transfer credit recognized from another institution, is always subject to the specific requirements of the degree program.

Program Requirements

The Diploma in Public Sector Management program is available on a part-time study basis. The course delivery methods include study guides and readings (texts and/or selected articles), plus the following methods: computer-mediated instruction and conferencing; intensive workshops; tutoring by phone or 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:

<table>
<thead>
<tr>
<th>1.12 units of required core courses from:</th>
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</thead>
<tbody>
<tr>
<td>• ADMN 310 (1.5)</td>
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<tr>
<td>• ADMN 311 (1.5)</td>
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<tr>
<td>• ADMN 312 (1.5)</td>
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<tr>
<td>• ADMN 314 (1.5)</td>
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<tr>
<td>• ADMN 316 (1.5)</td>
</tr>
<tr>
<td>• ADMN 420 (1.5)</td>
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<tr>
<td>• ADMN 421 (1.5)</td>
</tr>
<tr>
<td>• ADMN 431 (1.5)</td>
</tr>
</tbody>
</table>

2.4.5 units chosen from the following areas as appropriate to the students' needs and interests:

<table>
<thead>
<tr>
<th>Managerial Theory and Practice</th>
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<tbody>
<tr>
<td>ADMN 407 ADMN 409 ADMN 422</td>
</tr>
<tr>
<td>ADMN 424 ADMN 437 ADMN 477</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Policy Areas</th>
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</thead>
<tbody>
<tr>
<td>ADMN 423 ADMN 445 ADMN 446</td>
</tr>
<tr>
<td>ADMN 452 ADMN 470 ADMN 490</td>
</tr>
</tbody>
</table>

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.

Local Government Option

The Local Government Option within the Diploma in Public Sector Management program requires the completion of four courses: ADMN 312, ADMN 445, ADMN 452, and ADMN 465. The Local Government Option has been identified by the Provincial Board of Examiners, in consultation with the Local Government Management Association of BC, as a mandatory educational requirement for the following credentials:

- Certificate in Local Government Administration
- Certificate in Local Government Statutory Administration
- Certificate in Local Government Executive Management

With these courses, in combination with other educational qualifications and relevant work experience in local government in British Columbia, local government employees may apply to the Board of Examiners for certification.

For further certification information contact:
Administrator, Board of Examiners
Ministry of Community Services
Parliament Buildings
Victoria BC V8W 1X4
Phone: (250) 387-4083
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 certifications awarded by the Board of Examiners, Ministry of Community Services (see Local Government Option, above).

Admission

Courses are taught at a level which is consistent with other third- and fourth-year undergraduate courses offered at the University of Victoria; applicants will be required to demonstrate that they possess the academic proficiency necessary to benefit fully from the program.

Students without a bachelor's degree will normally be expected to have obtained the equivalent of at least the first two years of post-secondary education at a university or at institutions such as BCIT, community colleges or recognized professional associations.

Candidates without formal post-secondary qualifications but with demonstrable appropriate experience may be admitted as conditional students, with continuation in the program subject to performance in the first three courses with a grade of C+ or better.
In addition to academic background, all applicants should have a minimum of three years experience working in local (municipal or regional) government. (Experience in other levels of government and/or the non-profit sector may be considered.)

A limited number of students not formally admitted to the program may register for individual courses, with the permission of the Director of the School of Public Administration.

Inquiries about the program should be forwarded to:
Program Manager,
Diploma in Local Government Management
School of Public Administration
University of Victoria, Box 1700 STN CSC
Victoria BC V8W 2Y2
Phone: (250) 721-8074
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 units), plus at least six 1.5 unit ADMN courses (not duplicating courses already taken in the Certificate). The combination of the PSC and Diploma must include ADMN 310, 312, 316, 423, 445, 448 (or 421), 452 and 465.

Transfer Credit from Capilano 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.

Transfer to UVic Degree Programs

Credit obtained within the Diploma in Public Sector Management program, less any credit transferred to the DPSM from a Certificate or Certificates in Administration of Indigenous Governments, Public Management, or Professional Specialization may be transferable to a regular undergraduate degree program. However, such transferability of credit, including transfer credit recognized from another institution, is always subject to the specific requirements of the degree program.

Program Requirements

The Diploma in Local Government Management program is available on a part-time study basis. The course delivery methods include study guides and readings (texts and/or selected articles), plus the following methods:
- computer-mediated instruction and conferencing
- intensive workshops
- tutoring by phone or 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)

2. 4.5 units (three courses) chosen from other School of Public Administration undergraduate courses:

Social/Applied Sciences
- ADMN 314
- ADMN 407 ADMN 409 ADMN 422
- ADMN 424 ADMN 431 ADMN 437
- ADMN 477

Policy Areas
- ADMN 311 ADMN 446 ADMN 470
- ADMN 495

Courses in this program will be available as enrollment warrants.

Local Government Option

For a description of the Local Government Option, see the Diploma in Public Sector Management, above. The option is also available to Diploma in Local Government Management students.

Program Requirements for Students Enrolled Prior to Fall 2004

Students enrolled in the Diploma in Local Government Management program prior to Fall 2004 may opt into the new program by declaring their intention in writing to the Program Manager. They must meet the new program requirements (see above) to qualify for the DLGM.

Professional Specialization Certificates

The School of Public Administration offers the following Professional Specialization Certificates:
- Cultural Sector Leadership
- Local Government Management
- Performance Management
- Public Policy and governance
- Public Sector Management
- Voluntary and Non-profit Sector Management

Admission Requirements

The Professional Specialization Certificates are intended for students who already hold a 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.

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 allowed, but course substitutions will be permitted if a student already has taken a required course (or equivalent). A course may not be counted towards more than one Professional Specialization Certificate.

The following are the required courses for Professional Specialization Certificates. Course substitutions at the ADMN 300 and 400 level may be allowed by the School. In addition to the courses listed below, the following courses may be used towards any Professional Specialization Certificate if the topic is relevant to the particular specialization:
- ADMN 470: Contemporary Topics in Administration
- ADMN 490: Directed Studies

Cultural Sector Leadership

An on-campus orientation session may be required, in addition to the following courses:
- ADMN 409 ..........................................................1.5
- ADMN 437 ..........................................................1.5
- ADMN 477 ..........................................................1.5

Plus, choice of one of:
- ADMN 421 ..........................................................1.5
- ADMN 431 ..........................................................1.5
- HA 488A ..........................................................1.5
- HA 488P ..........................................................1.5
- HA 488Q ..........................................................1.5
- HA 488R ..........................................................1.5
- HA 488M ..........................................................1.5

or other 300- or 400-level course with approval of adviser.

Local Government Management

Required: one of:
- ADMN 312 ..........................................................1.5
- ADMN 423 ..........................................................1.5

Plus, choice of three of:
- ADMN 312 (if ADMN 423 chosen as required) ..............................1.5
School of Social Work

Leslie Brown, BSW (Regina), MPA, PhD (Victoria), Associate Professor
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
Jeanine Carroll, BA (Alberta), BSW (Manitoba), MSW (UBC), PhD (Alberta), Assistant Professor
Jacqui Green, BSW, MPA, PhD Candidate (Victoria), Assistant Professor
Donna Jeffery, BSc (Calgary), BSW (Calgary), MA, PhD (OISE/Toronto), Assistant Professor
Mehmoona Moosa-Mitha, BSW (Ryerson), MSW (McGill), PhD (Southampton), Assistant Professor
Susan Strega, BSW (Manitoba), MSW (Victoria), PhD (Southampton), Assistant Professor
Margaret Kovach, BA, BSW (Regina), MSW (Carleton), PhD (Victoria) Assistant Professor (2004-2007)
Robina Thomas, BSW, MSW, PhD Candidate (Victoria), Assistant Professor
Elias Cheboud, BSW (Victoria), MSW (UBC), PhD (Victoria), Senior Instructor (2005-2007)
Yvonne Haist, BSW, MEd (Victoria), DipAdEd (British Columbia), Senior Instructor
Cheryl Moir-van Iersel, BSW (Calgary), MSW (British Columbia), Senior Instructor
Robert Taylor, BSW, MSW (Victoria), Senior Instructor

emeritus

Andrew Armitage, BSc (London), BA (Canterbury), MSW (British Columbia), PhD (Bristol), Professor Emeritus
Marilyn J. Callahan, BA, BSW, MSW (British Columbia), PhD (Bristol), Professor Emeritus
John Cossum, BA (Western Ontario), BSW, MSW (Toronto), Associate Professor Emeritus
Andrew Farquharson, BA (Bishop's), MSW (McGill), MEd, EdD (Toronto), Professor Emeritus
Margorie D. Martin, BA, BSW, MSW (British Columbia), Professor Emeritus
Brian Wharf, BA, BSW, MSW (British Columbia), PhD (Brandeis), Professor Emeritus

Transfer Credit to the School's Diploma Programs

Upon admission to either the Diploma in Public Sector Management or the Diploma in Local Government Administration Program, students who hold a Professional Specialization Certificate from the School may transfer up to four courses (6 units) into the DPSM or DLGM. Students may not duplicate courses already taken in the Certificate. The combined courses in a student's PSC and Diploma program must include all the required courses in the Diploma program.
FAIRN HERISING, BA (Trent), BSW (Victoria), MA Candidate (Victoria), Practicum Coordinator
KIRSTEN MIKKELSEN, BSW, MA-IGOV (Victoria), Indigenous Program Coordinator
MICHELLE OSBORNE, BSW (Victoria), Admissions Coordinator
NANCY PIKE, BSW (Victoria), MSW (Dalhousie), Practicum Coordinator
WENDY SEAGER, BA, MPA (Victoria), Administrative Coordinator

GENERAL INFORMATION

Mission Statement
The emerging vision of the School of Social Work commits us to social justice and anti-racist, anti-oppressive social work practices, and to promoting critical enquiry that respects the diversity of knowing and being.

Our educational mission is to prepare generalist social work practitioners skilled in critical self-reflection and in working with individuals, families, groups and communities. In particular, we endeavour to prepare Indigenous social workers and child welfare practitioners and we emphasize structural, feminist, Indigenous and anti-oppressive analyses.

Our scholarly mission is to share and create collective knowledge and understanding through engaging in critical enquiry and by supporting research and innovative curriculum development at the undergraduate and graduate levels.

Our practice mission is to act on social justice issues through community change initiatives and anti-oppressive social work. Our political and social responsibility is to participate in and reflect community experiences in all our efforts to challenge oppressive societal structures.

In all our activities, we aspire to create a supportive environment that promotes equity, 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 Indigenous social services.

The range of approaches available to obtain a University of Victoria BSW 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 and internet 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 Netlink ID with a UVic e-mail address. To participate 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.

Indigenous Social Work Specialization
This specialization is a concentration within the BSW program and provides opportunities for Indigenous BSW students to focus their undergraduate program on preparing for leadership roles as helpers and healers in Indigenous communities and various Indigenous organizations. Students will co-create learning environments with other Indigenous students and faculty in the School.

The intent of this specialization is to provide Indigenous students an opportunity to develop helping and healing practice frameworks that centralize Indigenous knowledges, peoples, nations and communities. All courses are offered on campus and by distance education.

The specialization consists of core and elective courses totalling 30 units.

Admission to the specialization is limited to Indigenous students of North America.

Child Welfare Specialization
This specialization is intended to prepare students for child welfare work, with an emphasis on protection work in government and other mandated child welfare settings. A non-child protection option is available for students who do not intend to practise in mandated settings after graduation.

The specialization consists of core and elective courses totalling 30 units.

Indigenous (Child Welfare) Specialization
The intent of this specialization is similar to the Indigenous Specialization with an emphasis on the well-being of Indigenous children, families and communities.

Admission to the specialization is limited to Indigenous students of North America.

The specialization consists of core and elective courses totalling 30 units.

Indigenous Off-Campus Programs
At the request of Indigenous peoples, the School seeks to offer decentralized programs for Indigenous students with the goal of facilitating community ownership and self-government. 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 on the School of Social Work website 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 320 and 200B or their equivalents.

Students are also required to meet UVic’s English Requirement for Undergraduates (see page 29).

The number of applicants admitted will depend on the resources available to the School and the number of qualified applicants. An initial screening for admission will be based on 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.

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 115 for regulations concerning practica. The School requires that students adhere to the BCASW Code of Ethics. Students may be required to complete their practica in an agency requiring a criminal record check as part of its screening process.
Prior Learning Assessment
Students admitted to the program who have significant social work or social justice experience may be eligible for Prior Learning Assessment for the first practicum. Initial inquiries about eligibility for PLA should be directed to the Field Education Co-ordinators at the School of Social Work. The Director will make the final decision regarding eligibility.

Minor
Students registered in a degree program in the Faculty of Human and Social Development may declare a Minor program in another Faculty with written permission from their school and the department offering the Minor, and the Deans of the respective Faculties. The Minor will be added to the student’s academic record upon completion of program requirements in Human and Social Development and the general degree requirements in the other Faculty.

Program Requirements
Minimum Degree Requirements
Candidates for the BSW degree must meet the minimum degree requirements for a bachelor’s degree outlined on page 39. Students should note in particular the Undergraduate English Requirement, page 29. Students entering the BSW program can transfer in up to 33 units of previous credit. Usually, BSW degree students should have a minimum of 24 units of liberal arts/social sciences/humanities courses to fulfill program requirements.

Post-degree Students
Students admitted to the School with a baccalaureate degree in a human service profession which includes a practicum component may be granted credit in up to 6 units of senior-level Social Work at the discretion of the Director of the School and the Dean of the Faculty. In these cases, 3 units of general electives will normally be required.

Practicum Requirement
Students should be aware that two practicum courses are required in order to complete the course of study for a BSW.

Course Requirements: First and Second Years
SOCW 200A and 200B are required for entry into the BSW program. It is recommended that potential BSW applicants complete SOCW 200A and 200B prior to applying to the program; however, SOCW 200A and 200B are not required to be completed or in progress at the time of BSW application.

In addition to SOCW 200A and 200B, students are advised to take a variety of courses in the liberal arts, social sciences and humanities.

Course Requirements: Third and Fourth Years
A minimum of 27 units must be third- or fourth-year Social Work courses (includes HSD courses, except HSD 425).

Non-Social Work electives may include any UVic courses at any year level, including English, if required.

Prerequisites for all Social Work courses: 30 units including SOCW 200A and 200B. See the course descriptions for pre- or corequisites of Social Work courses.

Third and Fourth Years — Standard BSW

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1. General elective (unless special permission is received from the Director or designate to omit this elective).
2. Third and fourth year Social Work and/or HSD electives.

Third and Fourth Years: Indigenous Social Work Specialization

One practicum (either SOCW 304 or 402) must focus on Indigenous social work.

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1. General elective (unless special permission is received from the Director or designate to omit this elective).
2. Third and fourth year Social Work and/or HSD electives.

Third and Fourth Years: Indigenous Child Welfare Social Work Specialization

Fourth-year practicum must be in an approved Indigenous Child Welfare Agency.

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).

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1. General, and/or SOCW or HSD electives (unless special permission is received from the Director or designate to omit a course from this group).

2. Third and fourth year Social Work and/or HSD electives.

2007-08 UVIC CALENDAR

SOCW 404 or 404A course descriptions for other pre- and corequisites.

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1. General elective (unless special permission is received from the Director or designate to omit this elective).
2. Third- or fourth-year Social Work or HSD elective.
The Faculty of Humanities comprises the Departments of English, French, Germanic and Slavic Studies, Greek and Roman Studies, Hispanic and Italian Studies, History, Linguistics, Medieval Studies, Pacific and Asian Studies, Philosophy and Women’s Studies. The many disciplines in the Humanities foster knowledge of history, philosophy, language, literature, culture, society and the arts, often in international contexts. By developing students’ skills in critical enquiry, research and communication, programs in the Humanities provide excellent preparation for many careers as well as advanced academic study.
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 136.

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 Director of Academic Advising, students may substitute up to 3 units of 300 or 400 level elective credit for required courses at the 300 or 400 level in Faculty of Humanities degree program.

Students should review individual department entries for information on the use or substitution of elective credit.

Faculty of Humanities Programs

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<tr>
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<th>BA</th>
<th>BSc</th>
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Interdisciplinary Programs

- Applied Ethics
- Arts of Canada
- European Studies
- Film Studies
- Indigenous Studies
- Religious Studies

Diploma Programs

- Diploma in Applied Linguistics
- Diploma in Canadian Studies
- Diploma in Humanities
- Diploma in Intercultural Education and Training

1. Offered jointly with the Faculty of Human and Social Development.
2. Offered jointly with the Faculty of Fine Arts.
3. Offered jointly with the Faculties of Fine Arts and Social Sciences.
4. Offered jointly with the Faculty of Social Sciences.
5. Offered jointly with the Faculties of 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 Faculties of Education and the Division of Continuing Studies.

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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 38. 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 39.

**Declaring a Program**
All students continuing in the Faculty must declare a program by filing a Record of Degree Program (RDP) with the Academic Advising Centre prior to graduation. If a degree program has been chosen and program entry requirements satisfied, students may file an RDP once they have attained second-year standing (credit for at least 12 units of course work) and should do so once they have attained third-year standing (credit for at least 27 units of course work). The purpose of this RDP is to ensure that proposed courses will meet the requirements of the selected program. Any subsequent change to a declared program also must be filed with the Academic Advising Centre.

Students who have not satisfied the University English Requirement must do so before they declare their program.

The RDP is approved in writing by the Academic Advising Centre and, in the case of students who wish to pursue an Honours Program, by the department(s) concerned. Students who satisfactorily complete the program of courses set out in the RDP with the required grades are normally recommended for the degree.

Students who do not have an RDP approved, or who follow a program different from that set out in the approved RDP, may not be eligible to graduate.

Note: Students should be aware that limitations may apply to proposed combinations of the following: concurrent degree programs, degree/diploma combinations and degree/minor options.

**Guidelines for Ethical Conduct**
The Faculty of Humanities expects students to adhere to a code of ethical conduct. The Faculty supports models of ethical conduct based on the following guidelines:
- exercise of personal discipline, accountability and judgement
- acceptance of personal responsibility for continued competency and learning
- the duty to recognize the dignity and worth of all persons in any level of society
- the duty to recognize one's own limitations
- maintenance of confidentiality of information appropriate to the purposes and trust given when that information was acquired

**Regulations Concerning Practica**

**General**
The Faculty reserves the right to approve any institution that provides placements for student practica, and to change any placement assigned to a student. The student, however, has the right to be informed in writing of the reasons for any change in placement.

**Attendance**
Attendance at practicum activities is required. Students are expected to notify the host institution whenever practicum appointments cannot be kept, and also to inform the course instructor.

**Denial and Withdrawal**

**Practicum Denial**
Teachers or administrators who refuse a student's continued participation in a practicum for misconduct or repeated absences, or where the educational progress of the institution's students is in jeopardy, must immediately discuss the matter with the Chair of the department. The Chair will then either inform the student of the conditions under which he or she may resume participation in the practicum or require the student to withdraw from the practicum and inform the student in writing of the reasons.

Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by their instructors and by the Chair of the department in the Faculty of Humanities.

**Temporary Withdrawal of Students Pending Report**
The Chair may require a student to withdraw temporarily from a practicum if, during the course of a term, there are reasonable grounds to believe that the conduct or lack of competence of a student enrolled in the practicum has adversely affected or may adversely affect:
- students or clients, or
- personnel, including students associated with the practicum

The student will be required to withdraw temporarily pending the receipt of a report on the conduct and lack of competence of the student.

**Required Withdrawal**
After giving the student an opportunity to be heard, the Chair may require a student to withdraw from the practicum if the Chair is satisfied that the student's conduct or lack of competence may adversely affect members of any of the groups identified in the paragraph above.

**Voluntary Withdrawal**
Students seeking voluntary withdrawal from a practicum, whether permanent or temporary, must receive permission to do so from their faculty supervisor in the Department.

**Notification of Records Services**
Students who withdraw temporarily from a practicum must notify Records Services in writing. Students who are required to withdraw from a practicum will be withdrawn from any course involved by written notification from the Chair to Records Services.

**Appeals**
The normal avenues of final appeal, page 39, 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.

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**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
   - History
   - Indigenous Studies
   - Italian Studies
   - Japanese Studies
   - Latin American Studies
   - Linguistics
   - Mathematics
   - Medieval Studies
   - Mediterranean Studies
   - Pacific Studies
   - Philosophy
   - Religious Studies
   - Russian
   - Southeast Asian Studies
Honours Programs

Each candidate for a bachelor's degree is also required:
1. to include at least 1.5 units from each of two other areas of study in the above list
2. to take at least 6 units taken outside the Faculty of Humanities
3. to take at least 6 units of courses, at least 30 of which must normally be completed at UVic
4. to include in the remaining units presented for the degree at least 21 units of courses numbered at the 300 or 400 level, at least 18 of which must be taken at UVic
5. to present credit in a minimum of 60 units of courses, at least 30 of which must normally be completed at UVic
6. to have completed the Undergraduate English Requirement, page 29

Honours Program

The Honours Program requires specialization in one or more disciplines in the last two or three years of a degree program and is intended for students of higher academic achievement. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

Admission to an Honours Program

Admission to an Honours Program is restricted to students who have satisfied the prerequisites and met the minimum GPA specified by the department(s) concerned, and who are judged by the department(s) to have the ability to complete the Honours Program. A student who wishes to be considered for admission to an Honours Program should apply to the Chair or Honours Adviser of the department (approval from both departments is required for admission to Combined Honours programs).

Requirements of the Honours Program

A student in an Honours Program must satisfy the requirements common to all bachelor's degrees in the Faculty of Humanities, listed above. Each department has its own requirements for its Honours Programs, which are specified in individual department entries elsewhere in the Calendar. Of the 300- and 400-level course units specified by the department concerned, not more than 6 may be taken at another acceptable post-secondary institution, and then only with the prior approval of the department's Honours Adviser.

Continuation in an Honours Program requires satisfactory performance as dictated by the department. If, in the opinion of the department, a student's work at any time is not of Honours standard, the student may be required to transfer to a Major or General program.

Normally, a student should complete the requirements for an Honours Program in four academic years (five years for those students enrolled in the Co-operative Education Program). Students who are undertaking a degree on a part-time basis, and who wish to be considered as candidates for Honours, should discuss the options with the department(s) concerned.

Honours Programs

Applied Linguistics
English
French
Germanic Studies
Greek and Latin Language and Literature
Greek and Roman Studies
Hispanic Studies
Hispanic Studies
History
Language and Literature or multi-disciplinary
Latin American Studies
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 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

Combined English Honours and Medieval Studies Minor

French
Germanic Studies
Greek and Latin Language and Literature
Greek and Roman Studies
Hispanic Studies
Hispanic Studies
History
Italian Studies
Language and Literature or multi-disciplinary
Latin American Studies
Linguistics (BA and BSc)
Mathematics
Medieval Studies
Mediterranean Studies (Spain or Italy Concentration)
Pacific Studies
Philosophy
Russian Studies
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 Major Program and a BSc Major Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

In a Joint Honours and Major Program, the Honours Program will be listed first on the student’s 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.

Chinese Studies
English
French
Germanic Studies
Greek and Roman Studies
Hispanic Studies
History
Italian Studies
Japanese Studies
Latin American Studies
Linguistics
Medieval Studies
Mediterranean Studies
Pacific 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
Film Studies
Indigenous Studies
Music
Professional Writing in Journalism and Publishing

Interdisciplinary Minors
Applied Ethics
European Studies
Religious Studies

Humanities, Fine Arts and Professional Writing Co-operative Education Program
Don Bailey, BA (UBC), MEd (UBC), Coordinator
The Humanities, Fine Arts and Professional Writing Co-operative Education Program is a year-round program which, through work terms of employment in a variety of organizations, enables students to combine work experience with an education in the Fine Arts and/or Humanities.

Applications and further information about the Humanities, Fine Arts and Professional Writing Co-operative Education Program are available from the Co-op Coordinator, Room B228, University Centre.

Program Requirements
Any student registered in a BA, BFA, BSc, BMus, MA, MFA or PhD degree in the Faculty of Fine Arts or the Faculty of Humanities or registered in the Cultural Resource Management Program, the English Minor in Professional Writing 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 a BA, BFA, BSc, BMus, MA, MFA or PhD degree in a discipline offered in the Faculty of Humanities or the Faculty of Fine Arts or a
### Department of English

**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**

**Arnold Keller, BA (George Williams), MA (Claremont), MA, PhD (Con), Professor**

**Kathryn Kerby-Fulton, BA, BEd (York, Can), DPhil (York, UK), Professor**

**Robert Miles, B.A. (SFU), M. Phil. (London), PhD (Sheffield), Professor and Chair of the Department.**

**Robert M. Schuler, BA (Bellarmine), MA, PhD (Colo), Professor**

**John J. Tucker, BA, MA (Tor), BLitt (Oxon), PhD (Tor), Professor**

**Luke Carson, BA (McG), MA, PhD (Calif.-LA), Associate Professor**

**Alison Chapman, M.A. (Oxford), PhD (Glasgow), Associate Professor**

**James A. Dopp, BA (W Laurier), MA (UVic), PhD (York), Associate Professor**

**Gordon D. Fulton, BA (Tor), MA, PhD (Lond), Associate Professor**

**Elizabeth Grove-White, BA (Dublin), PhD (Trinity), Associate Professor**

**Jain Higgins, BA, MA (Brit Col), PhD (Harvard), Associate Professor**

**Margot K. Louis, BA (Smith Coll), BA (Oxon), PhD (Tor), Associate Professor**

**Eric Miller, BA (Tor), MA, PhD (Virginia), Associate Professor**

**Judith I. Mitchell, BA, MA, (Sask), PhD (Alta), Associate Professor**

**Michael Nowlin, BA (Western), MA (Toronto), PhD (Calif-LA), Associate Professor**

**Sheila M. Rabillard, BA (Queens), BEd (W Ont), MA (Queens), PhD (Prin), Associate Professor**

**Stephen Ross, BA (SFU), MA, PhD (Queens), Associate Professor**

**Ray Siemens, BA (Waterloo), MA (Alta), PhD (UBC), CRC Humanities Computing and Associate Professor**

**Lisa A. Surridge, BA (Queens), 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. Jenstad, BA (UVic), MA, PhD (Queen’s), Assistant Professor**

**Gary Kuchar, BA (Winn), MA, PhD (McM), Assistant Professor**

**Mary Elizabeth Leighton, BA (Trent), MA (Guelph), PhD (Alta), Assistant Professor**

**J. Allan Mitchell, BA (UVic), MA, PhD (Dalhousie), Assistant Professor**

**Lincoln Shlonsky, BA, (Brown), MA, PhD (Calif-Berkeley), Assistant Professor**

**Nicole Shukin, BA, MA (Calgary), PhD (Alta), Assistant Professor**

**Cheryl L. Suzack, BA, MA (Guelph), B.Ed. (Nipissing), PhD (Alta), Assistant Professor**

**Proma Tagore, BA, MA, PhD (McG), Assistant Professor**

**Adrienne Williams Boyarin, BA, MA, PhD (Calif-Berkeley), Assistant Professor**

**Ruth Allison, BA, MA (UVic), Senior Instructor**

**Gerald V. Baillargeon, BA, MA (Windsor), PhD (Brit Col), 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 (UVic), Senior Instructor**

**Susan Huntley Elderkin, BA, MA (Acadia), PhD (Queen’s), Senior Instructor**

**Richard Pickard, BA, MA (UVic), PhD (Alta), Senior Instructor**

**Limited Term and Sessional Instructor Appointments**

**Michael Best, BA, MA, PhD (Adelaide), Emeritus Professor, Sessional Lecturer**

**Sheila Burgar, BA (Brit Col), MA (UVic), Sessional Lecturer**

**R. Colleen Carpenter, BA, MA (Alta), Sessional Lecturer**

**Lisa Chalykoff, BA, BSc (Queen’s), MA, PhD (Brit Col), Limited Term Assistant Professor**

**Kathryn Curtis, BA (Kansas), MA (Michigan), Sessional Lecturer**

**John Dolan, BA, MA, PhD (Cali-Berkeley), Sessional Lecturer**

**Brian Day, BA, MA (UVic), PhD (Queen’s), Sessional Lecturer**

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**Celeste Derksen, BA (Simon Fraser), MA, PhD (UVic), Sessional Lecturer**

**Rebecca Gagan, BA, MA (McMaster), Sessional Lecturer**

**Joseph Gibson, BA (Guelph), MA, PhD (McMaster)**

**James Gifford, BA (SFU), MA (Cal State-Dominguez Hills), PhD (Alta), Limited Term Assistant Professor**

**Eric Henderson, BA, MA, PhD (UWO), Sessional Lecturer**

**Stephen Hume, BA (Trinity, Conn), MA (Toronto), Sessional Lecturer**

**Sandra Kirkham, BA, MA (UVic), Sessional Lecturer**

**Hilary Knight, BA, MA (UVic), Sessional Lecturer**

**YsraaI Levin, BA, MA (Tel Aviv), Sessional Lecturer**

**Paul MacRae, BA, (Toronto), MA (UVic), Sessional Lecturer**

**Matthew Manera, BMus (UVic), BA (Western), MMus (U of C), MA (Carleton), PhD (Sherbrooke), Sessional Lecturer**

**William Markham, BA (Stirling), MA (McMaster), Sessional Lecturer**

**Andrew Murray, BA (Regina), MA (UVic), Sessional Lecturer**

**Peter Perkins, BA, MA (UVic), Sessional Lecturer**

**Harbinder Sanghera, BA (UVic), MA (Brit Col), PhD (UVic), Sessional Lecturer**

**Antonia Smith, BA (McGill), MA (UVic), Sessional Lecturer**

**Monica Smith, BA (London), MA (UVic), Sessional Lecturer**

**Susan Wilson, BA (Toronto), MA (UVic), Sessional Lecturer**

**Samuel G. Wong, BA (Col), PhD (Princ), Sessional Lecturer**

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**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.

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**Co-operative Education Programs Please, see page 136.**

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**ACADEMIC REGULATIONS**

**Admission to English Courses**

All students registering for an English course must satisfy the Undergraduate English requirement, page 29. Students with an LPI (Language Proficiency Index) score of 4 will take English 115. Those with an LPI score of 5 or an interim grade of 86% or higher in English 12 may take English 115. Those with an LPI score of 6 are exempted from an English course unless their degree program requires one.
Suggested Electives
The Department encourages its students to take elective courses that support their General, Major or Honours Program. In making their choice of electives, students may wish to give special consideration to relevant courses in:
- Anthropology (e.g., ANTH 200)
- Courses in the literature of other languages
- Greek and Roman Studies (e.g., GRST 100, 200)
- History (e.g., HIST 130, 220)
- History in Art (e.g., HA 120, 221)
- Linguistics
- Music (e.g., MUS 120A, 120B)
- Philosophy (e.g., PHIL 100, 238)
- Political Science
- Psychology
- Sociology
- Theatre (e.g., THEA 100)
- Writing

Directed Reading Courses
ENGL 490 and 491 (Directed Reading) are tutorials intended primarily for students in the Honours Program, and must be approved by the Director of Honours and the Chair of the Department.

Variable Content Courses
The English Department offers a variable number of content courses, with topics advertised annually (ENGL 353, 360, 362, 372, 385, 388, 391, 392, 393, 394, 395, 400, 404, 406, 413, 415, 425, 426, 438, 439B, 448, 449, 462, 463, 470, 471, 473). Where content differs, such courses may be taken more than once for credit, to a maximum of 3 units.

Preparation for Graduate School
Major and Honours students planning graduate study are reminded that graduate schools generally require competence in at least one language other than English, and some schools require credits in Old English and/or History of the Language.

Honours Program
The Honours Program allows students of proven ability to study English language and literature more intensively than is possible in the Major or General Programs. While enjoying a comprehensive course structure, Honours students also participate in special seminars and receive the guidance of individual faculty members in connection with ENGL 490 and 499. Students who take a special interest in English language or literature, or who are contemplating graduate work in English, are strongly advised to enroll in Honours rather than in the General or Major Program.

Program Approval
The programs of Honours students are subject to the approval of the Director of 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 any 6 units of credit in a language course (or the equivalent) or by successfully completing 3.0 units of FREN courses numbered 135 or higher, excluding 160 and 161, or GER 149, or GER 390.

In certain instances students already fluent in a language may request a translation examination, which will be arranged by the 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 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 1600-1800: ENGL 372, 373, 374, 375, 376A, 376B
- at least 1.5 units of American or British literature from the period from 1800-1900: ENGL
Third and Fourth Years

 Majors are required to take a total of 15 units of English (excluding Professional Writing courses) at the senior level:

 1. 7.5 units chosen from the following Course Structure:

 2. 7.5 additional units of courses numbered 300 and above

 At least 12 of these 15 units must be completed at the University of Victoria.

 Combined Major in English and French (Canadian Literature)

 The Combined Major in English and French (Canadian Literature) is not a Double Major in English and French, but a single BA degree program composed of selected courses from each department. The term “Canadian Literature” will be formally recognized on the transcript. Students should consult either department about their choice of courses.

 First and Second Years

 1. To enter the Combined English Honours Program, students must take:
     - Two of ENGL 200A, 200B, 200C, 201, 202, 203
     - French Departmental Language Requirement, see “Program Requirements” page 140
     - French Departmental Literature Requirement, page 140 (may be completed during the semester)
     - HIST 130 (may be taken in a later year)
     - Electives to make up a total of 30.0 units

 Note: ENGL 200A and 200B are not open to students majoring in English.

 Program Requirements

 Students must complete ENGL 303: Copy Editing and most appropriate new media technologies. The program is open only to students who concurrently pursue a Major or Honours degree.

 More information about the Professional Writing Minor is available at <web.uvic.ca/pwengl>.

 Application to the Program

 Admission to the program will normally be after the student’s second year of study; students who plan to apply should take the appropriate prerequisites. Students applying for the Minor must have:

 • an average grade of B+ or better in the prerequisite writing courses (see below) and a B+ average overall, or
 • permission of the Director of Professional Writing

 Humanities, Fine Arts and Professional Writing Co-operative Education Program

 Students accepted into the Professional Writing Minor Program may apply to enter the Humanities, Fine Arts and Professional Writing Co-op Program.

 The Humanities, Fine Arts and Professional Writing Co-op Program offers paid employment to students who are working towards careers as professional writers in high-technology sectors. The Co-op is open to students admitted to the Minor in Professional Writing.

 General regulations pertaining to Co-operative Education Programs of the University of Victoria are found on page 45. For information on the Humanities, Fine Arts and Professional Writing Co-op, please see the Faculty of Humanities entry, on page 136.

 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.

 2007-08 UVIC CALENDAR
Department of French

Ellen J. Chapco, BA (BritCol), PhD (BritCol),
Professor and Chair of the Department

Yvonne Hsieh, BA (BritCol), MA, PhD (Stan),
Professor

Marc Lappradi, BA, MA (Bézanc), PhD (Tor),
Professor

Danielle Thaler, BA (Montr), MA, PhD, (Tor),
Professor

Claire Carlin, BA (San Diego St), MA, PhD (Calif-Santa Bar),
Associate Professor

John C.E. Greene, BA, MA (Alta), D de l’Univ (Gren),
Associate Professor

Sada Niang, MA (Tor), PhD (York),
Associate Professor

Marie Vautier, BA (Ott), MA (Laval), PhD (Tor),
Professor

Catherine Caws, BA, MA (Nantes), PhD (BritCol),
Assistant Professor

Hélène Cazes, ENS (Paris), MA-DEA (Paris, Sorb),
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, Sorb),
PhD (Tor), Assistant Professor

French Programs

The Department of French offers Honours, Majority 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 Programs

Please, see page 136.

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:

1. 12 units for students with no knowledge of French
2. 10.5 units for students with less than French 12
3. 7.5 units for students with French 12
4. 4.5 units for students with Français 12

Transfer Credit

Students are encouraged to study at Francophone universities; the Department recognizes a broad variety of courses in language, literature, cultural studies and French linguistics for transfer credit. The Faculty regulation for the Major Program that at least 12 of the 15 units numbered 300 or 400 are required to be taken at UVic may be lowered to 9 units for students who complete at least 12 units at a Francophone university, or to 10.5 units for students who complete at least 7.5 units at a Francophone university, and who in each case have completed 3 units of 200-level courses at UVic.

Students must obtain a Letter of Permission (see page 29) before undertaking studies at a Francophone university or elsewhere. To ensure that the correct transfer credit is granted for courses taken elsewhere, students also MUST consult with the Department’s transfer credit adviser (see the Department’s website) BEFORE applying for a Letter of Permission.

Program Requirements

Access to FREN 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 FREN 190
- C+ or higher in FREN 292
- C+ or higher in FREN 295
- A DEC from a Francophone CEGEP
- A French baccalauréat
- classification as a Francophone student and permission of the Department

Access to FREN 390 and fourth year literature courses is restricted to students who have one of the following qualifications, or the equivalent:

- Completion of FREN 286, 287 and 288 (or departmental permission)
- DEC from a Francophone CEGEP, plus FREN 286 and 287
- French baccalauréat or equivalent, plus FREN 288

Honours Program

First and Second Years

See Program Requirements 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 446B, 446D, 446E, 460A, 460B, 462A, 462B, 462C, 466, 470, 477
- 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.

Admission to the Third-year Honours program requires the approval of the Chair of the Department. The programs of Honours students are subject to the approval of the Honours Adviser. Admission to the fourth-year Honours Tutorial (FREN 499) requires a grade of B or better in FREN 390.

Graduation Standing

To obtain an Honours degree “With Distinction” a student must achieve:

1. A graduating average of at least 6.5
2. A Grade Point Average of at least 6.5 in those departmental courses at the 300 and 400 level that are required for the degree program
3. A Grade Point Average of at least 5.5 in FREN 390 and 499

A student who fails to meet all three of the above requirements, but has a graduating Grade Point Average of 6.5, will be offered the choice between an Honours degree and a Major degree “With Distinction.”

Students pursuing a Double Honours degree which includes Honours in French must meet all three of the above requirements to qualify for the notation “With Distinction” in French.

Major Program

First and Second Years

See Program Requirements above

Third and Fourth Years

FREN 302A and 302B or FREN 302

FREN 402 or 426

1.5 units from the following: FREN 440, 441, 446A, 446B, 448, 450A, 450B, 451, 452, 455B

1.5 units from the following: FREN 446B, 446D, 446E, 460A, 460B, 462A, 462B, 462C, 466, 470, 477, 480, 482, 484, 485, 487, 488A, 488D, 488H

Please see page 136.
6.0 or 7.5 additional units numbered 350 and above to a minimum total of 15 units for third and fourth years

*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

See Program Requirements above

Third and Fourth Years

FREN 302A and 302B* or FREN 302
6 units of courses numbered 350 and above

*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 115, 125, 135, and 145
Two of ENGL 200A, 200B, 200C, 201, 202, 203
See Program Requirements above
HIST 130 (may be taken in a later year)
Electives to make up a total of 30.0 units
Note: ENGL 200A and 200B are not open to students with credit in 150 or 151. Such students may take 200C, 201 202, 203 or, with permission of the Department, substitute 3 units of upper-level English courses.

Third and Fourth Years

FREN 302A and 302B* or FREN 302 ...........................................3.0
3 units of French courses numbered 350 to 477 ...........................................3.0
Courses selected as specified under English Major Course Structure (see page 139) .................7.5
FREN 487 (ENGL 458) .........................................................1.5
Canadian Literature courses, of which at least 4.5 upper-level units must be taken in each Department (ENGL 448, 450, 451, 452, 453, 454, 455, 456, 457, 459; FREN 389B, 480, 482, 484, 485, 488D, 488H ....10.5
Electives ..............................................................................4.5

* 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.

Department of Germanic and Slavic Studies

Peter Götz, BA (Mannheim), MA (Wat), PhD (Queen’s), Associate Professor and Chair of the Department (on leave)

Peter G. Liddell, MA (Edin), PhD (Brit Col), Professor (on leave)

Nicholas V. Galichenko, BA, MA (Brit Col), PhD (McG), Associate Professor

Serhy Yekelchyk, BA (Kiev U), MA (Ukrainian Academy of Sciences), PhD (Alberta), Associate Professor and Acting Chair

Elena Pnevmonidou, BA (McG), MA (Queen’s), PhD (McG), Assistant Professor

UlJ Schuetze, Staatsexamen 1 und 2 (Kiel); PhD (Brit Col), Assistant Professor

Megan Swift, BA (McG), MA (U of Toronto), PhD (U of Toronto), Assistant Professor

Matthew Pollard, BA (Queen’s), MA (Queen’s), PhD (McG), Senior Instructor

GERMANIC STUDIES PROGRAMS

The Department of Germanic and Slavic Studies offers a full complement of courses leading to a Bachelor of Arts degree in Germanic Studies in the General, Major or Minor Programs.

Undergraduate work is done at two successive levels: introductory at the 100/200 level, and advanced at the 300/400 level. Students may not enroll in introductory courses after having completed an advanced course in the same area. They may, however, enroll concurrently in both introductory and advanced courses with Departmental permission.

Course Challenge

The Department of Germanic and Slavic Studies does not permit students to gain credit by course challenge. Students with prior knowledge of German may, however, apply to the Chair of the Department for a waiver of lower-level program requirements.

Native Speakers

Native speakers of German may not obtain credit for first- or second-year language courses. A native speaker is defined in this context as a person who has spoken German since childhood and/or has received sufficient instruction in the language to be literate in it. The Department will assign students with previous knowledge to the appropriate level.

Co-operative Education Programs

Please, see page 136.

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 intro-

ductory 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 German 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 252 (1.5) Conversational German
GER 300 (1.5) Advanced Grammar and Stylistics: 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

Courses open to all students: No knowledge of German required

The following courses are open to all students. The timetable for courses marked * will be two hours ofclasstime in English and a one hour seminar in either English or German, at the option of the student.

GERS 160 (1.5) Major Figures of German Culture
GERS 254 (1.5) Introduction to German Literature
GERS 261 (1.5) Modern Germany
Native Speakers
Native speakers of Russian may not obtain credit for first- or second-year language courses. A native speaker is defined in this context as a person who has spoken Russian since childhood and/or has received sufficient instruction in the language to be literate in it. The Department will assign students with previous knowledge to the appropriate level.

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 Program should refer to page 71.

Programs in Russian
Major
To be admitted to a Major program, a student must have at least a C+ average in a minimum of 7.5 units of introductory courses. In the third and fourth years, the Major program consists of a minimum of 15 units at the 300 and 400 levels and must include RUSS 300A, RUSS 300B, 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, including at least one of 300A and 300B.

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Department of Greek and Roman Studies

John P. Oleson, BA, MA, PhD (Harv), FRSC, Professor
Ingrid E. Holmberg, BA (Ver), MA, PhD (Yale), Associate Professor
Cedric A. J. Littlewood, BA, MA, DPhil (Oxon), Associate 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
Luke Roman, BA (Harv), PhD (Stau), Assistant Professor

Greek and Roman Studies Programs
The Department of Greek and Roman Studies (formerly the Department of Classics) offers the student an opportunity to study Greek and Roman language, literature, history, archaeology and philosophical thought at any of three levels of concentration in the original languages or through English translations. The Department offers the following programs leading to the degree of Bachelor of Arts:

- Greek and Roman Studies: General, Major and Honours programs
- Greek and Latin Language and Literature: Major and Honours programs

While a degree in Greek and Roman Studies can be focused to some extent on ancient art and archaeology, history, social history or literature...
in translation, the Department strongly recommends that some courses in Greek or Latin language be taken for the Greek and Roman Studies degrees.

Study towards the degrees in Greek and Latin Language and Literature may be focused to some extent on either Greek or Latin, but the Department strongly recommends that at least 6 units be taken in the second language.

It is assumed that students following the General or Major Programs will be taking advanced courses in other departments. Students following an Honours Program with the Department of Greek and Roman Studies should note that it may be possible for them to complete an Honours program in another field if they have the joint consent of that department and the Department of Greek and Roman Studies.

Students are welcome at any time to discuss their program with members of the Department and are encouraged to do so in the first or second years of their studies.

Many of the advanced courses in Greek and Roman Studies are open to second-year students, and a Major in Greek and Roman Studies may be completed in two years. Nevertheless, students are encouraged to plan their programs, since the lack of prerequisites may limit their choice of courses. Greek and Latin courses above the 100 level require prerequisites.

Co-operative Education Programs

Please, see page 136.

PROGRAM REQUIREMENTS

Course Regulations

- GRS 100 may not normally be taken for credit by students who have already received credit for any courses in Greek and Roman Studies at the 300 level.
- First-year students may take Greek and Roman Studies courses above the 200 level only with Departmental permission. Any student in second year may register for courses in Greek and Roman Studies at the 300 level.
- Appropriate credit in the Department of History may be given for GRS 331, 332, 333, 341, 342, 345, 346, 347, 480A or 480C. PHIL 301 and 303 are acceptable for credit in all programs in the Department of Greek and Roman Studies in lieu of any 300-level course in Greek and Roman Studies.

Course Requirements

General and Minor Programs

- 12 units of Departmental offerings of which no more than 3 units may be at the 100 or 200 level
Total: 12 units

Major in Greek and Roman Studies

- 6 units of Departmental offerings at the 100 or 200 level
- 15 units of Departmental offerings at the 300 or 400 level
Total: 21 units

Major in Greek and Latin Language and Literature

- 15 units of Greek and/or Latin
- 6 units of Departmental offerings
Total: 21 units

Of these 21 units, at least 15 units must be at the 300 or 400 level.

Honours in Greek and Roman Studies

- 6 units of Departmental offerings at the 100 or 200 level
- 24 units of Departmental offerings at the 300 or 400 level, including GRS 485 and 499
Total: 30 units

Honours in Greek and Latin Language and Literature

- 21 units of Greek and/or Latin
- 9 units of Departmental offerings, including GRS 485 and 499
Total: 30 units

Of these 30 units, at least 21 units must be at the 300 or 400 level.

Students applying to enter the Honours Program should have a GPA of at least 6.0 in Departmental courses, and should normally have completed at least 6 units of Departmental offerings. Students accepted into the Honours Program whose GPA in Departmental courses falls below 6.0 may be required to transfer to the Major Program.

Department of Hispanic and Italian Studies

Pablo Restrepo-Gautier, BA, MA, PhD (Brit Col), Associate Professor and Chair of the Department
Gregory Peter Andruchuk, BA, MA, PhD (Tor), Professor
Beatriz de Alba-Koch, BA (ITESM), MA (Paris III), MA (Princeton), MA (Queen’s), PhD (Princeton), Associate Professor
Lloyd H. Howard, BA (Brit Col), MA, PhD (Johns H), 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

HISPANIC AND ITALIAN STUDIES PROGRAMS

The Department of Hispanic and Italian Studies offers General, Major and Honours programs in Hispanic Studies, General, Major and Honours programs in Latin American Studies (Language and Literature Concentration or Multidisciplinary Concentration), 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.

Native Speakers

For all programs, native speakers may not obtain credit for 100 or 200 level courses. A native speaker is defined in this context as a person who has spoken Spanish or 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.

Co-operative Education Programs

Please, see page 136.

HISPANIC STUDIES PROGRAMS

The Department of Hispanic and Italian Studies offers General (Minor), Major, and Honours Programs in Hispanic Studies.

Students pursuing a Major or Honours in Hispanic Studies will find that they have sufficient electives to enable them to concentrate in a second field (for example, Italian or another language, Greek and Roman Studies, English, History or Linguistics).

Prerequisites

Students wishing to take 300- and 400-level courses in Spanish must achieve an average grade of B+ or higher in SPAN 250A, 250B and 260, with a minimum grade of C+ in each (these courses should be taken in second year). Students must also take SPAN 350A as a pre- or corequisite of SPAN 370, 375, 380, 385. Students pursuing a General or Minor Program in Hispanic Studies must take at least two of these four courses. Students pursuing a Major or Honours Program must take at least three of these four courses, but all four are recommended. Exceptions may be made under certain circumstances, after consultation with the Department.

Hispanic Courses in English

Hispanic Studies courses conducted in English may be credited to a General, Major or Honours Degree in Hispanic Studies to a limit of 3 units, provided all course work is written in Spanish.

PROGRAM REQUIREMENTS

Students are advised to consult with the Department in the selection of their courses.

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
LATIN AMERICAN STUDIES PROGRAMS

The Department of Hispanic and Italian Studies offers General, Major and Honours Programs in Latin American Studies in two streams: Language and Literature Concentration, or Multidisciplinary Concentration.

Program Requirements for the Latin American Language and Literature Concentration

Prerequisites and Co-requisite
- SP AN 350A, 380, 385
- At least 4.5 units from SP AN 307, 350B, 450A, 484A, 484B, 484C, 484D, 485B, 490A, 490B, 490C, 495 or multidisciplinary courses
- At least 7.5 units from SP AN 481A, 481B, 481C, 481D, 482B, 483A, 483B, 483C
- 3 units from SP AN 307, 350B, 450A, 484A, 484B, 484C, 484D, 485B, 490A, 490B, 490C, 495 or multidisciplinary courses

Honours Program

Students wishing to enrol in the Honours Program must first obtain the approval of the Department Chair. Admission to the Honours Program normally requires a minimum GPA of 7.0 in upper-level Hispanic Studies courses.

First Year
- SP AN 100A and 100B
Second Year
- SP AN 250A and 250B
- SP AN 260
Third and Fourth Years
- SP AN 350A and 350B
- SP AN 450A
- SP AN 499
- At least 4.5 units from SP AN 370, 375, 380, 385
- At least 9.0 additional units of 300- or 400-level Hispanic Studies courses

Graduation from the Honours Program requires a minimum graduating GPA of 6.0 in upper-level Hispanic Studies courses, and a minimum B+ in SP AN 499.

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 pursing a Major in Italian Studies will find that they have sufficient electives to enable them to concentrate in a second field.

Program Requirements

Students are advised to consult with the Department in the selection of their courses.

General (Minor)
First Year
- ITAL 100A, 100B
Second Year
- ITAL 250A, 250B
Third and Fourth Years
- ITAL 350 or 351
- One of ITAL 473 or 474 or 478
- 6 additional units of 300- or 400-level Italian courses

*Up to 3 units may be substituted from the supporting course list below.

Major
First Year
- ITAL 100A, 100B
Second Year
- ITAL 250A, 250B
Third and Fourth Years
- ITAL 350 or 351
- ITAL 351
- ITAL 306
- ITAL 473 or 474 or 478

*Up to 3 units may be substituted from the supporting course list below.

Supporting Course List

Students combining an Italian Minor or Major with a second concentration may not count the same course for both concentrations.

GRS 341 (1.5) Roman History
GRS 342 (1.5) Roman Society
GRS 346 (1.5) Roman Law and Society
GRS 372 (1.5) Art and Architecture of the Roman World
HA 321 (1.5) Late Antique and Early Christian History in Art
HA 326 (1.5) Gothic Art and Architecture
HA 341A (1.5) The 16th Century in Italy
HA 341B (1.5) The 17th Century in Italy
HA 342A (1.5) The 18th Century in Italy
HA 420 (1.5) Advanced Seminar in Medieval Art (with the approval of the Department)

*Up to 3 units may be substituted from the supporting course list below.

*Up to 3 units may be substituted from the supporting course list below.
ITAL 250A and 250B or equivalent

Prerequisite

• From an approved list of courses offered by

* With the approval of the Department and choosen from an approved list of courses offered by other departments in Humanities, Fine Arts and Social Sciences.

Required Courses

• MEST 300 (1.5)
• MEST 308 (1.5)
• MEST 310 (1.5)
• ITAL 350 or 351 (1.5)
• ITAL 306 (1.5)
• 4.5 units of ITAL 400-level courses taught in

• 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.

ITAL 306 (1.5)
• MEST 300 (1.5)
• MEST 308 (1.5)
• MEST 310 (1.5)
• ITAL 350 or 351 (1.5)
• ITAL 306 (1.5)
• 4.5 units of ITAL 400-level courses taught in

• 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.

ITAL 350 or 351 (1.5)
• MEST 308 (1.5)
• MEST 300 (1.5)
• 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.

ITAL 350 or 351 (1.5)
• MEST 308 (1.5)
• MEST 300 (1.5)
• 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.

ITAL 350 or 351 (1.5)
• MEST 308 (1.5)
• MEST 300 (1.5)
• 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.

ITAL 350 or 351 (1.5)
• MEST 308 (1.5)
• MEST 300 (1.5)
• 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.
History Programs

The Department offers undergraduate course work at two levels: introductory courses at the 100-200 level, open to first and second-year students, and advanced courses at the 300-400 level, open to students in both third and fourth years. A brochure is available through the Department office at the start of the advance registration period that includes any changes in scheduling made after publication of the Calendar, as well as additional information not available at that time.

Co-operative Education Programs

Please, see page 136.

Course Regulations

Students are strongly advised to complete introductory courses in a given area before undertaking advanced courses in the same area. However, in specific areas students may not be allowed to register in an introductory course if they have credit in or are concurrently registered in an advanced course in the same area. Such prohibitions are noted in individual course descriptions.

History courses are organized by area: American history, British history, Canadian history, European history, Asian history, world and comparative history, and specialized courses. Please note that enrollment in seminars is limited. All students are strongly encouraged to take at least one course in pre-1800 history.

All History courses require substantial written and reading assignments. Information about textbooks in all courses is available from the bookstore. Students are advised to consult the Faculty of Humanities' regulations governing undergraduate degree programs, on page 133.

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 300 or 400 level

Students are strongly encouraged to take at least one course in pre-1800 history.

A maximum of 1.5 units taken from GRS 331, 332, 333, 334, 341, 342, 346, 347, 348, 349, 441, 461, 480A, 480C, MEDI 451 and MEST 308 may be accepted in lieu of a course in European history. *

Major Program

To be admitted to the Major Program, students require a minimum GPA of 2.0 in 6 units of introductory History courses.

Students interested in pursuing a Major in History are advised to consult a Majors' Adviser in their first year if possible, and History Majors are strongly encouraged to consult a Majors' Adviser regarding their third- and fourth-year programs.

Students in the Major Program must complete 15 units of History courses numbered 300 and above. Of these 15 units, a minimum of 6 and a maximum of 12 units should be selected from one area of interest. Students are strongly encouraged to take at least one course in pre-1800 history.

A maximum of 3.0 units taken from GRS 331, 332, 333, 334, 341, 342, 346, 347, 348, 349, 441, 461, 480A, 480C, MEDI 451 and MEST 308 may be accepted in lieu of a course in European history. *

Honours Program

In the Honours Program, students have the opportunity to study history more independently and intensively than is normally possible in the Major and General Programs. Through the Honours Seminar (HIST 480) and individual instruction in writing and research (HIST 398, 497), the Honours Program encourages students to think critically and to deepen their understanding of both the content and craft of history. While the primary intent of the Honours Program is to help any interested and talented student of history achieve an excellent education in the liberal arts, the program should be especially useful for students contemplating graduate work in history or careers in secondary teaching, journalism, law, library science or government service.

Admission to the Honours Program normally requires a minimum overall GPA of 6.0 as well as a minimum of 6.0 in 6 units of History courses, of which at least 3 units should be at the 100 or 200 level. These 6 units are not counted towards the 18 units of upper-level History required within the Honours Program.

Application for admission to the Honours Program should normally be made in the spring, during the student's second year, although a small number of third-year applications may also be accepted. In certain cases, applications may be accepted any time up to the beginning of a student's fourth year.

Honours candidates are required to have their program of courses approved by the Honours Adviser. To avoid overspecialization, Honours students must study more than one area of History and are strongly encouraged to take at least one course in pre-1800 history.

Candidates whose performance is unsatisfactory may be required to transfer from the Honours Program to the Major Program. Admission to the fourth-year Honours Program is conditional upon satisfactory performance in the third year.

Third- and Fourth-year Requirements

Students in the Honours Program must take 18 units of history courses numbered 300 or above: HIST 480*…………………………………………………………3.0

HIST 497*…………………………………………………………3.0

History courses numbered 300 and above (may include HIST 398) which must include at least 3 units in areas outside their regional specialization…………………………12.0

A maximum of 3.0 units taken from GRS 331, 332, 333, 334, 341, 342, 346, 347, 348, 349, 441, 461, 480A, 480C, MEDI 451 and MEST 308 may be accepted in lieu of a course in European history. *

1. Usually completed by the end of third year.

2. As part of HIST 497 an oral examination will be conducted by a committee comprising the Faculty supervisor of the paper, the second reader and the
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 100B
- 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, 389, 390 or 392, 395, 397 or 398 (1.5 of these 3 units may also be selected from LING 396, 401, 403, 405, 438, 450)

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 100B
- LING 200
- LING 203
- BIOL 150A
- Either BIOL 150B or PE 141
- MATH 100 or 102
- 3 units from PHYS 102, 112, 120, 220
- PSYC 100A, 100B and 201

Recommended Electives
- CSC 100, 110, 115
- PE 241A and 241B (prerequisite 141)
- PHYS 214
- PSYC 215A, 340
- MUS 306, 307
- Course(s) in a second language.

Required Courses: Third and Fourth Years
- LING 370A
- LING 370B
- LING 380
- LING 381
- LING 382
- 4.5 units selected from LING 300, 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, 415A, 415B, 450.

Honours Program

Students intending to pursue a BSc Honours degree in Linguistics should ensure that they have completed LING 410A and 440 as part of the 15 units required for the Major degree. In addition to the requirements for the Major, Honours students must present LING 410B, 441 and 499 for a total of 21 units of upper-level courses. The regulations regarding the required level of achievement and the class of Honours awarded are the same as those stated above for the BA in Linguistics.

Diploma in Applied Linguistics

Program Admission and Regulations

Applicants must have completed a University of Victoria Bachelor’s degree or its equivalent including at least 6 units of courses in English and 6 units of modern second language courses.

Applicants whose previous instruction was given in a language other than English will be
required to have a major in English or permission of the Applied Linguistics Adviser. Students who have completed the University of Victoria degree in Applied Linguistics or its equivalent may not register in the Diploma Program. The program may be completed within one year of full-time study, but can also be taken part time. It must be completed within five years. For part-time students, LING 376 will normally be taken in the final year of study.

Courses taken for the Diploma program cannot be applied towards another degree. Applicants who wish to be teachers in the British Columbia school system must either hold an Education degree or have successfully completed the professional program for graduates offered by Education faculties in the province. (For information, contact Education Advising.)

Diploma Requirements
The Diploma requires a minimum of 15 units of course work in addition to those credited towards a degree. Applicants who have received credit for some of these courses (or equivalent) previously will be allowed to substitute up to 6 units of courses recommended by the Department. Students whose degrees are from universities other than the University of Victoria must complete the entire 15 units at UVic. Students with a UVic degree may negotiate to have transfer credit from other universities apply to the Diploma program.

Required Courses (15 units)
- LING 200
- LING 203
- LING 373
- LING 374
- LING 375
- LING 376
- LING 388
- 4.5 units from LING 370A, 377, 386, 389, 390 or 392, 395, 397 or 398, 438

Medieval Studies Program
Director: Iain MacLeod Higgins, BA, MA (UBC), AM, PhD (Harvard), Associate Professor, Department of English

Medieval Studies Program Committee
Helène Cazes, PhD (Paris), Assistant Professor, Department of French. Term expires July 1, 2008
Marcus Milwright, DPhil (Oxford), Associate Professor, History in Art. Term expires July 1, 2008
J. Allan Mitchell, PhD (Dalhousie), Assistant Professor, Department of English. Term expires July 1, 2007
Adrienne S. Williams Boyarin, PhD (Calif-Berkeley), Assistant Professor, Department of English. Term expires July 1, 2007

Medieval Studies Programs
Medieval culture, which flourished in Europe from about CE 300-1500, and has analogues in many non-European cultures, lends itself well to interdisciplinary study. This Program seeks to train students in the principles, methods, and problems of Medieval Studies and to introduce them to the written, visual, and material sources required for a thoughtful, critical study of the medieval world.

Medieval Studies offers Honours, Major, General and Minor programs leading to the degree of Bachelor of Arts. Students may also undertake the Major in Medieval Studies together with a Major Program in another department (see Double Major, page 135), or with a Major in another Faculty (see Interfaculty Program, page 136). 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 136).

Students interested in pursuing a program in Medieval Studies should consult with the program director.

Course Work By Education Students
Students applying to the Post-Degree Professional Program in the Faculty of Education may use up to 3 units of credit from the following Medieval Studies courses to fulfill a portion of the Social Studies (see History emphasis) teaching area requirements: MEDI 303, 304, 305, 360 and 401, 402 (MEDI 360 and 401, 402 with the approval of the Faculty of Education only). Students who wish to pursue this option should contact the Director of Medieval Studies.

Co-operative Education Programs
Please, see page 136.

Program Requirements

Honours Program
In the Honours Program in Medieval Studies, students have the opportunity to work more independently and intensively on a special research essay. The graduating essay will be done under the guidance of an individual tutor assigned in the final year of the degree.

Admission
Admission to the Honours Program normally requires a minimum overall GPA of 6.0 in 3.0 units of Program courses at the 300 and 400 level. Normally a student applies for Honours at the end of the second year. Honours candidates are required to have their program of courses approved by the Director of Medieval Studies.

Third- and Fourth-year Requirements
MEDI 303 The Medieval World..........................1.5
MEDI 304 Medieval Studies............................1.5
MEDI 305 Medieval Workshop Project...............1.5
MEDI 402 Cross-Cultural Encounters and Exchanges........1.5
MEDI 451 The Medieval and the Written World........1.5
12 units of courses numbered 300 or above selected from MEDI offerings and the list of Eligible Courses (with no more than 4.5 units selected from any one department) ........12.0
Total................................................................12.0
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 Program courses 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 Program courses taken in MEDI at the 300 and 400 level, is below 3.5, but who otherwise meet the University requirements for graduation, will receive a B.A. with a Major in Medieval Studies.

Language Requirement
Honours students must complete either GREE 101 and GREE 102, or LATI 101 and LATI 102. In addition, before graduation, each student will be required to demonstrate a reading knowledge of a language other than English appropriate to the area of special interest. Normally this requirement will be satisfied by completion of 3.0 units of 200-level language courses. The language requirement may also be satisfied by either two of ENGL 340, 341, 346, 347, or 3.0 units of FREN numbered 155 or higher (excluding 160 and 161). These courses cannot be counted again in fulfillment of Honours requirements.

Major Program

Admission
To be admitted to the Major Program, students require at least second-year standing or permission of the Director of Medieval Studies; HIST 236 Medieval Europe (3.0) is suggested.

Requirements for the Major
MEDI 303 The Medieval World.........................1.5
MEDI 304 Medieval Studies............................1.5
MEDI 305 Medieval Workshop Project...............1.5
3 units of the following:...............................3.0
MEDI 360 Selected Topics in Medieval Culture
MEDI 401 Seminar in Medieval Culture
MEDI 402 Cross-Cultural Encounters and Exchanges
MEDI 451 The Medieval and the Written Word
MEDI 452 Special Topics in Medieval Manuscript Studies
7.5 units of courses, selected from MEDI offerings and the list of Eligible Courses numbered 300 or above (with no more than 3.0 units selected from any one department) .................7.5
Total..........................................................15.0

Language Requirement
Before graduation, each student will be required to demonstrate a reading knowledge of a language other than English appropriate to the area of special interest. Normally this requirement will be satisfied by completion of 3.0 units of 200-level language courses. The language requirement may also be satisfied by either two of ENGL 340, 341, 346, 347, or 3.0 units of FREN numbered 155 or higher (excluding FREN 160 and 161). These courses cannot be counted again in fulfillment of Major requirements.

Double Major
Student pursuing a Double Major may select courses on the Eligible Courses list from their second field of concentration, but the same units cannot be used for both Majors.

General and Minor Programs
MEDI 303.....................................................1.5
MEDI 304 ......................................................... 1.5
MEDI 305 ......................................................... 1.5
MEDI 401 or 451 or 452 ............................... 1.5
3.0 units of course offerings numbered
300 or above, selected from MEDI offerings and
the list of Eligible Courses list, to be approved by
the Director of Medieval Studies .......................... 3.0
Total ............................................................. 9.0

Combined English Honours with
Medieval Studies Minor

Students in the Medieval Studies Program who
are also enrolled in the English Honours Pro-
gram may earn a Combined English Honours
and Medieval Studies Minor degree. To do so
they must complete:

• 3.0 units from MEDI 301, 302, 303, or 304
• 1.5 units from MEDI 401, 402, 451, or 452
• 1.5 units selected from the courses (apart from
English courses) in the list of Eligible Courses
for the Medieval Studies Program.

• 1.5 units selected from the period before 1660:
ENGL 340, 341, 346, 347, 352, 353, 354, 357, 359,
360, 362, 364, 365, 366B, 366C, 366D, 366E, 369,
410, 473

• 1.5 units selected from the following list: ENGL
340, 341, 346, 347, 352, 353, 354, 357

Eligible Courses

ENGL 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
ENGL 353 (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
FREN 444 (1.5) Medieval and Renaissance
Theatre
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 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 380G (1.5) Medieval Law and Literacy

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) Amirites 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 303 (1.5) Medieval Italian Culture and
Literature (in English)
ITAL 470 (1.5) Dante's Divine Comedy (in
English)
ITAL 472A (1.5) Boccaccio's Decameron (in
English)
ITAL 472B (1.5) Francis Petrarch: His Life as
Literature (in English)
MUS 311A (1.5) Music of the Medieval Period
PHIL 303 (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 Me-
dieval Studies, and because medieval culture has
a number of analogues in non-European cul-
tures, the following background and compara-
tive courses are useful electives. HIST 236 (Me-
dieval 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

2007-08 UVIC CALENDAR

Department of Pacific
and Asian Studies

M. Cody Poulton, BA, MA, PhD (Tor), 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
Michael H. Bodden, BA, MA, PhD (Wis, Madison),
Associate Professor
Leslie Butt, BA (Trent), MA (Simon Fraser U), PhD
(McGill), Associate Professor
Richard King, BA, MA (Cantab), PhD (Brit Col),
Associate Professor
Hiroko Nara, BA, MA (Aoyama Gakuin), PhD
(Tor), Associate Professor
Martin Adam, BA (Calgary), MA (Waterloo), PhD
(McGill), Assistant Professor
Katsukiko Endo, BA, MA, PhD (NYU), 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 (UVic), PhD
(ANU), Assistant Professor
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/Minor)
- 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

Such general skills and specialized knowledge, especially when combined with the expertise offered by programs such as Education, Law, Business, Public Administration or Environmental Studies, should enhance the opportunities of students seeking careers related to the Asia-Pacific region.

Co-operative Education Programs

Please, see page 136.

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 JAP A courses and 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.

Transfer Credit

Students are encouraged to study at Universities in the Asia Pacific region; the Department recognizes a range of courses in language and other topics from these institutions for transfer credit. In specific circumstances, the Faculty regulates the transfer of credit for the Major Program that at least 12 of the 15 units numbered 300 or 400 are required to be taken at UVic may be lowered to 9 for students who complete at least 9 units at a university in the Asia-Pacific region.

Pacific 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 select area in Pacific Studies through additional coursework 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/JAPA/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)
- A 400-level seminar on China, Taiwan, or Japan from PACI 413, 414, 417, 420

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)
- A 400-level seminar on Japan, Taiwan, or Southeast Asia from PACI 411, 412, 413, 414, 422, 440

Japan Area Concentration Specific Requirements
- PACI 290
- PACI 210

Requirements Common to All Concentrations
- Any two of the following seminar courses:
  - CHIN 220, 310A, 320, 420
  - 3.0 units of PACI 323A and 323B
  - PACI 321A and 321B
  - PACI 322A and 322B
- PACI 490A
- 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 Specific Requirements
- 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 417, 420)
- A 400-level seminar on China, Taiwan, Japan or Oceania from PACI 413, 414, 417, 420, 440
- PACI 490A
- 9.0 units of SEA 300 or (if SEA 300 is not available) selected from SEA 302A, 302B, 320, 324, 481
- 3.0 units selected from HA 430, 431, 432, SEA 481

PACIFIC AND ASIAN LANGUAGES AND LITERATURES

General/Minor Program in Pacific Studies

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 Pacific Area Studies

First and Second Years
- PACI 210
- PACI 290

Third and Fourth Years
- Any two of the four sequences listed below:
  - PACI 319A and 319B
  - PACI 321A and 321B
  - PACI 322A and 322B
  - PACI 328A and 328B
- Any two of the following seminar courses:
  - PACI 412, 413, 414, 416, 417, 420, 422, 440, 443, 481
HIST 436A (1.5) Rise and Fall of Imperial
HIST 434A (1.5) Late Imperial China
HIST 257 (1.5) Introduction to the
HIST 253 (1.5) Introduction to Chinese
HIST 105 (3.0) Introduction to 20th Century
HA 471 (1.5) Advanced Seminar in the Arts
HA 470 (1.5) Advanced Seminar in East Asian Art
HA 471 (1.5) Advanced Seminar in the Arts of China
HST 105 (3.0) Introduction to 20th Century World History
HST 253 (1.5) Introduction to Chinese Civilization Before 1840
HST 254 (1.5) Introduction to Chinese Civilization Since 1840
HST 255 (1.5) The Origins of Modern Japan
HST 256 (1.5) Japan in the 20th Century
HST 257 (1.5) Introduction to the Civilization of India
HST 434A (1.5) Late Imperial China
HST 434B (1.5) Twentieth Century China
HST 436A (1.5) Rise and Fall of Imperial Japan
HST 436B (1.5) Japan's Postwar Economic History
HST 436C (1.5) History of Japan-Canada Relations
HST 438 (1.5) Topics in East Asian History
HST 439 (1.5) Seminar in East Asian History
LING 364 (1.5) Languages in the Pacific Area
POWI 318 (1.5) Government and Politics in East Asia
POWI 416 (1.5) State, Revolution and Reform in East Asia

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 329 (1.5) Ethnology of Southeast Asia
ECON 328 (1.5) Economic History of the Pacific Rim
ECON 428 (1.5) Economic Development of the Rim Developing Countries
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 I
HA 372B (1.5) Later Chinese Art: Part II
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 Arts of China

HIST 436A (1.5) Rise and Fall of Imperial
HIST 434A (1.5) Late Imperial China
HIST 434B (1.5) Twentieth Century China
HIST 436A (1.5) Rise and Fall of Imperial Japan
HIST 436B (1.5) Japan's Postwar Economic History

HIST 436C (1.5) History of Japan-Canada Relations
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
POWI 318 (1.5) Government and Politics in East Asia
POWI 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
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
Patrick W. Rysiew, BA (S Fraser), MA (Dal), PhD (Arizona), Associate Professor
David Scott, BA, MA (Memorial), PhD (Reading), Associate Professor
Jan Zwicky, BA (Calg), PhD (Tor), Associate Professor
Audrey Yap, BA (UBC), PhD (Stanford), Lecturer

Key Contact: Philosophy Chair, 721-7512

PHILOSOPHY PROGRAMS

Major Program
21 units of courses in Philosophy comprising:
• PHIL 201 and 203: Applied Logic I and II or PHIL 304A and 304B: Theoretical Logic I and II
• PHIL 301: Plato
• PHIL 303: Aristotle
• PHIL 306: The Rationalists
• PHIL 308: The Empiricists
• PHIL 309: Kant
• PHIL 335: Moral Philosophy
• PHIL 499: Philosophy Honours Seminar

Honours Program
30 units of Philosophy comprising:
• PHIL 201 and 203: Applied Logic I and II or PHIL 304A and 304B: Theoretical Logic I and II
• PHIL 301: Plato
• PHIL 303: Aristotle
• PHIL 306: The Rationalists
• PHIL 308: The Empiricists
• PHIL 309: Kant
• PHIL 335: Moral Philosophy
• PHIL 499: Philosophy Honours Seminar

c) an additional 15.0 units of Philosophy courses. Of these 15.0 additional units, at least 9.0 must be numbered 300 or higher. None of PHIL 330, 331, 333, 381 (formerly 379), 337, or 383 may be taken in satisfaction of the requirements to take 9.0 additional units numbered 300 or higher. Of these 9.0 units, 4.5 must be numbered 400 or higher.

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.

Major Program
21 units of courses in Philosophy comprising:
• PHIL 201 and 203: Applied Logic I and II or PHIL 304A and 304B: Theoretical Logic I and II
• PHIL 301: Plato
• PHIL 303: Aristotle
• PHIL 306: The Rationalists
• PHIL 308: The Empiricists
• PHIL 309: Kant

Department of Women’s Studies
Annalee Lepp, BA (Winnipeg), MA (Manitoba), PhD (Queens), Associate Professor and Chair of the Department
Christine St. Peter, BA (Tor), MA (York), PhD (Tor), Professor
Sikata Banerjee, BA (Dartmouth), MA (Denv), PhD (Wash), Associate Professor

Program Requirements

Graduation Requirements

General and Minor Programs
- 9 units of courses in Philosophy numbered 300 or above with all prerequisites satisfied.

Department of Women’s Studies
Annalee Lepp, BA (Winnipeg), MA (Manitoba), PhD (Queens), Associate Professor and Chair of the Department
Christine St. Peter, BA (Tor), MA (York), PhD (Tor), Professor
Sikata Banerjee, BA (Dartmouth), MA (Denv), PhD (Wash), Associate Professor
Jo-Anne Lee, BA (S Fraser), MA (Brit Col), PhD (Sask), Associate Professor
Christine Welsh, BA (Regina), Associate Professor
Laura Parisi, BA (Vermont), MA (Arizona), PhD (Arizona), Assistant Professor

VISITING, ADJUNCT AND CROSS-LISTED APPOINTMENTS
Jennifer Waelti-Walters, BA (Lond), L.-ès-L. (Lille), PhD (Lond), Professor Emerita
Deborah R. Vaffe, BA (Calif, Los Angeles), BEd (Lond), MA (UVic), Senior Instructor Emerita
Marianne Gostontyi Ainsley BA (Sir George Williams), M.Sc. (Montreal), PhD (McGill)
Adjunct Professor
Joan Coldwell, BA, MA (Lond), PhD (Harvard), Adjunct Professor
E. Patricia Tsurumi, BA (Brit Col), AM, PhD (Harvard), Adjunct Professor
Brishkai Lund, BA (San Diego), MA, ABD (Wash), Adjunct Assistant Professor
Student Information: 721-7378

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 the 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 those 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 their Department Chair or Student Adviser at an early stage in their undergraduate studies. See page 134 for information on declaring a degree program. Students must have declared their Women’s Studies program to be eligible for Women’s Studies courses as electives.

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, 219
• 21 units of upper-level credit, which must include WS 330A, 400A and 400B
• 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, 219
• 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, 219
• 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
First Year
WS 104 (1.5) Introduction to Women’s Studies

Second Year
(Prerequisites are specified under individual course descriptions)
WS 203 (1.5) Reading Popular Culture
WS 204 (1.5) Fast Feminisms: Toward a New Politics of Sexuality
WS 205 (1.5) Women, Food and Culture
WS 206 (1.5) Globalization and Resistance
WS 207 (1.5) Indigenous Women in Canada
WS 219 (1.5) Topics in Women’s Studies

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Third Year
(Prerequisites are specified under individual course descriptions)
Economies, States and Global Issues
WS 311 (1.5) Sex Work, Trafficking and Human Rights
WS 314 (1.5) Women, Race and Empire
WS 315 (1.5) Gender and International Human Rights
WS 316 (1.5) Gender and Development
WS 319 (1.5) Topics in Economies, States and Global Issues

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? Theories of Race, Racism and Racialization
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: De-Colonizing 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

Fourth Year
(Prerequisites are specified under individual course descriptions)
WS 400A (1.5) Feminist Research Practices
WS 400B (1.5) Research Seminar for Independent Project
WS 450 (3.0) Practising Feminism in the Field
WS 480 (1.5) Advanced Seminar in Women’s Studies
WS 499 (3.0) Honours Graduating Essay

Graduate Course
GS 500 (1.5) Special Topics
Faculty of Law

Legal studies equip students with the foundation of legal knowledge and skills needed for the practice of law and for the many professional roles in which legal training is invaluable. As well as introducing students to the concepts, processes and institutions of our legal system, the LLB program seeks to develop in students an understanding of the context—social, economic, historical, philosophical and cultural—in which our legal system has developed and continues to evolve. Students in the program have opportunities to explore the many specialized areas of legal training and to gain practice in the skills of argument, advocacy and other applications of the law.
Faculty and Other Officers

Elizabeth Adjin-Tettey, LLB (Ghana), LLM (Queens), LLM (Calgary), DJur (Osgoode), Associate Professor
Benjamin L. Berger, BA (Alberta), LLB (UVic), LLM (Yale), Assistant Professor
John Borrows, BA (Tor), MA (Tor), LLB (Tor), LLM (Djur), Osgoode), 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 (Calgary), of the Bar of British Columbia, Professor, On leave
M. Cheryl Crane, BA (Sask), LLB (Sask), LLM (Cantab), of the Bar of Saskatchewan, Associate Professor and Associate Dean Administration and Research
Maneesha Deckha, BA (McGill), LLB (Tor), LLM (Calgary), Assistant Professor
Gerard A. Ferguson, BA (St Patrick’s), LLB (Ont), 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
Judy Fudge, BA (McGill), MA (York), Grad. Dip. (Ott), DPhil (Oxford), Professor and Lansdowne Chair in Law
Glenn Gallinis, QC, 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), LB (UVic), of the Bar of British Columbia, Senior Instructor and Associate Dean Academic and Student Relations
Robert G. Howell, LLB (Well), LLM (Ill), of the Bar of New Zealand, Professor
Rebecca Johnson, BMas (Calg), MBA (Alberta), LLB (Alberta), LLM (Mich), Diploma in University Teaching (UNB), SJD (Mich), of the Bar of Alberta, Associate Professor
John R. Kilcoyne, LLB (UVic), LLM (York), of the Bar of British Columbia, Associate Professor
Freyar Kadar, BA (McGill), LLB (UVic), LLM (York), PhD (York), Assistant 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
R. Michael M’Gonigle, BA (UBC), LLB (Tor), Msc (LSE), LLM, JSD (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 (UVic), LLM (Université Libre de Bruxelles), of the Bar of British Columbia, 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 Webber, BA (UBC), LLB (McGill), LLM (Osgoode), Professor

Professional Staff

Claire Abbott, BFA, LLB (UVic), Special Projects Coordinator
Lori Angelini, BSc, Development & External Relations Coordinator
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, BA, BEd, LLB (Windsor), Barrister and Solicitor of Osgoode Hall, Development and External Relations Officer
Holly Patterson, BFA (UVic), Program Administrator, Environmental Law Centre Clinic
Janet L. Person, BBA (S Fraser), Admissions Officer
Pat Skidmore, Demcon Coordinator

Visiting, Adjunct and Cross-listed Appointments

R. C. (Tino) Di Bella, BA (UVic), LLB (UVic) of the Bar of British Columbia, Adjunct Professor
Donald Casswell, BSc (Toronto), LLM (Osgoode), LLB (Toronto), Professor Emeritus
Nils Jensen, BSc (Ottawa), LLB (Osgoode), LLM (London) of the Bar of British Columbia, Adjunct Professor
Keith Jobson, BA, BEd (Sask), LLB (Dal), LLM, JSD (Columbia) of the Bar of British Columbia, Professor Emeritus
Colin Macleod, BA (Queens) MA (Dalhousie and Cornell), PhD (Cornell), Associate Professor
Sandra K. McCallum, BJuris, LLB (Monash), LLM (UBC), of the Bar of British Columbia, Professor Emeritus
Michael Manso, BSc (McGill), DipEd (UBC), LLB (UBC), of the Bar of British Columbia, Adjunct Professor
Maxine Mattielli, LLB (UVic), Director, Academic and Cultural Support Program
Catherine Morris, BA, LLB (Alberta), LLM (UBC), Adjunct Professor
Robert A. Mulligan, BA (UVic), LLB (UBC) of the Bar of British Columbia, Adjunct Professor
William R. McEntyre, QC, LLB (Sask), Honorary Professor
John R. S. McLaren, BA (St Andrews), LLM (London), (LLM) Michigan, LL (Calgary), Professor Emeritus

General Information

The Faculty of Law offers a three-year program leading to the Bachelor of Laws (LLB) degree. The Faculty’s LLB program qualifies students for articles and the practice of law in all provinces and territories except Quebec. The Faculty also offers the following programs:

- Concurrent LLB/Master of Arts in Indigenous Governance
- Concurrent LLB/Master of Business Administration
- Concurrent LLB/Master of Public Administration
- LLB/BCL (Civil Law Degree Graduates)

Co-operative Education Programs

Please, see page 160.

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.

Faculty Admissions

APPLICATION FOR ADMISSION

Faculty calendars and information concerning admission are available from the Law Admissions Office. Application forms are available for download on our website at <www.law.uvic.ca>. All applications must be submitted by February 1. However, applicants in the Regular category are strongly encouraged to submit applications as early as possible, as offers will be made on a continual basis beginning in November.

Inquiries relating to admission to the Faculty of Law should be addressed to the Law Admissions Office:

Faculty of Law
University of Victoria
PO Box 2400 STN CSC
Victoria BC V8W 3H7
Phone: (250) 721-8151
Fax: (250) 721-6390
E-mail: lawadmiss@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; or
- present proof of having completed, with standing satisfactory to the Faculty of Law, at least the first three years (45 units) of a program leading to a degree at the University of Victoria, or the equivalent at a recognized institution.

In addition, each applicant must submit a Law School Admission Test (LSAT) score that is not more than five years old and satisfy such other requirements as may be prescribed from time to time.

**Determination of Admissibility**
Admission decisions are primarily determined by a candidate's pre-law academic record and Law School Admission Test (LSAT) score. Where an applicant has multiple LSAT scores, the highest score is considered. A preliminary index number is calculated using an applicant's grade point average (weighted 70 percent) and LSAT score (weighted 30 percent). Added to this number is 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:

- cultural background, economic circumstances, medical or learning disability or other relevant factors; or
- family or similar responsibilities and the consequent need to attend to these responsibilities or to maintain employment.

Selection from qualified Special Access applicants will be made on the basis of the applicant's:

- achievements in occupational endeavours, and community, public service and cultural activities that indicate an ability to succeed in law school;
- academic performance in any educational or training programs or courses; and
- LSAT score.

An applicant who has not completed the minimum academic requirements for admission in the Regular category should demonstrate why it would be unreasonable to expect the applicant to complete the minimum academic requirements prior to the commencement of law school.

Applicants who have 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:

**The Director**
Program of Legal Studies for Native People
Native Law Centre
University of Saskatchewan
101 Diefenbaker Place
Saskatoon, Saskatchewan
Canada S7N 5B8
Phone: (306) 966-6189
Email: smlaw@duke.usask.ca

Applicants must supply satisfactory evidence of their eligibility to apply in the Aboriginal category.

**Applicants Whose First Language is Not English**
Applicants whose first language is not English and who have not completed a minimum of three full academic years of post-secondary study that was taught and assessed in English, must write the Test of English as a Foreign Language (TOEFL). Applicants who have written the TOEFL iBT need a minimum score of 100, with no less than 25 on each of the individual components. Those who have written the computerized version need a score of 250 out of a possible 300, whereas those who wrote the paper and pencil test need a score of 677 out of a possible 770.

Applicants who do not meet these TOEFL minimums will not normally be admitted to the Law Faculty. Students applying to the joint Common Law/Civil Law Degree Program are exempt from this requirement.

**Part-Time Students**
A limited number of positions in the Faculty are available for part-time legal studies. Students must demonstrate to the satisfaction of the Faculty that they are able 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 Faculty's credit 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**
Applicants who wish to transfer to the Faculty of Law must complete a minimum of two years of legal education in the Faculty in order to obtain a Bachelor of Laws (LLB) degree from the 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 recognized by the various Canadian Law Societies for admission to the Bar. Decisions of the National Committee regarding requirements for the Certificate do not guarantee admission to the Faculty of Law. Admission to the Faculty is competitive and subject to the availability of space. Normally the Law Faculty will not accept NCA applicants who are required to take the first year
Registration Information

Completion of Registration

In addition to completing the requirements for admission (see page 156), all students are required to register at the times announced by the Faculty of Law. All new students will be informed of the procedures for registration. Course registration for first year is handled by the Faculty administration. First-year students are required to attend the opening assembly in September when they will receive their course schedules and other information.

All Letters of Admission or Authorizations to Reregister that are not used to register in the term or session to which they apply have no further validity.

Registration in any course is not confirmed until:
1. all course prerequisites have been met;
2. the required registration procedures have been completed;
3. all required fees have been paid (see Payment Due Dates, page 41); and
4. classes in the course have begun and the student is in attendance.

The Faculty reserves the right to cancel the registration in a course of any student who fails to attend that course within seven calendar days of the commencement of the term, or of any student who is not able to demonstrate that all course prerequisites have been met.

A student who for medical or compassionate reasons is unable to attend a course during the first seven calendar days of the term may apply to the Associate Dean Academic and Student Relations within that time to confirm registration in that course, and the Associate Dean may confirm the registration.

Student Responsibility

Students are responsible for ensuring that:
• their courses have been chosen in conformity with Calendar regulations;
• their registration is complete and accurate;
• there is no discrepancy between the program they are following and the approved program recorded in the Dean’s Office of the Faculty of Law;
• any changes to their mailing address, email 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 Academic and Student Relations.

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 Academic and Student Relations. Failure to drop a course which a student does not intend to take will result in a failing grade.

Please refer to the information on fee reductions, page 41, 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

Review of an Assigned Grade

Students are referred to the general University regulations (see page 31) and to the regulations adopted by the Faculty of Law. The following regulations apply to students in the Faculty of Law:

1. Any request for a review of a final grade must normally reach the office of the Associate Dean Academic and Student Relations within 21 days after the release of grades by the Associate Dean’s Office.

2. Where a final grade is based wholly or in part on any written materials other than an examination paper, such materials will, for the purpose of these procedures, be treated as if they are 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 permit the student to undertake any one or more of the following:

• supplemental examinations;
• the completion of such assignments, papers or tests as may be appropriate; and
• remedial work designated by the Faculty.

Where, in the opinion of the Faculty, the stu-
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 complete an examination or other academic requirement was due, and the student must provide a physician's report or other substantiating documentation as soon as possible.

b) A request for a Special Examination under subsection (a) must be made in writing to the Associate Dean Academic and Student Relations within five days after the date on which the original examination was written or was to be written, or within five days after the date on which the other academic requirement was due, and the student must provide a physician's report or other substantiating documentation as soon as possible.

c) For the purposes of providing evidence to the Faculty as to the nature of the illness and the effect of that illness upon the student's ability to complete an examination or other academic requirement, the physician's medical report should be made on the form approved by the Faculty of Law for that purpose wherever possible. Where the form provided by the Faculty of Law is not used, the medical report should contain the kinds of information sought on that form.

d) Where a student has written an examination, a request for a Special Examination under (b) shall be confirmed or withdrawn by the student within 10 days after grades have been released by the Associate Dean's Office. Where the request is not confirmed within that 10-day period, it will be deemed to have been withdrawn.

e) Special Examinations for the year are normally written in 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 their second and third years, take courses in other departments and schools in the University of Victoria for credit in the Faculty of Law. Students may not take Summer 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/MPA 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.

REPEITION 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 reasons or physical disability, or exceptional family or financial hardship.

A student who achieved standing in first year as a full-time student may apply to continue his or her studies as a part-time student. The Faculty may allow a limited number of these students to enroll as part-time students upon being satisfied that a student is unable to continue as a full-time student because of health reasons, physical disability, family or financial hardship.

**Regulations Concerning Student Conduct and Competence in Clinical Programs**

For the purposes of these regulations, clinical programs include:

- LAW 349: Business Law Clinic;
- LAW 350A: Law Centre Clinical Program; and
- LAW 353 (353A): Environmental Law Centre Clinic.

Where, during the course of a term, there are reasonable grounds to believe that the conduct or lack of competence of a student enrolled in a clinical program has adversely affected or may adversely affect:

- clients of the program;
- personnel, including students, associated with the program; or
- the program’s relationship with the judiciary, members of the bar or other persons involved with or affected by the activities of the program;

The Director of that program may restrict the activities of the student as he or she deems advisable, and the Dean, upon the request of the Director, may require the student to withdraw temporarily from the program pending the receipt of a report on the conduct or lack of competence of the student.

After giving the student an opportunity to be heard, the Faculty may re-instate a student who has been obliged to withdraw temporarily from a program or require the student to withdraw permanently from the program if the Faculty is satisfied that the student’s conduct or lack of competence may affect members of any of the groups identified in the preceding paragraph.

Where the Faculty requires a student to withdraw from a clinical program, a grade of N will be entered on the student's academic record and transcript.

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**Law Program Requirements**

**First Year Program**

All courses in the first-year program are compulsory. Full-time students must enroll in all courses in the first-year program. In the first academic year of attendance, part-time students must enroll in courses amounting to not fewer than 7 units of courses including:

- LAW 104 (1.5) The Law, Legislation and Policy;
- LAW 106 (1.0) Legal Process;
- LAW 110 (1.5) Legal Research and Writing.

Part-time students must complete the remainder of the compulsory first-year program in the second academic year of attendance.

**Second- and Third-Year Programs**

The Faculty of Law may designate courses as compulsory, prerequisite or recommended courses.

In each of the second and third years of the program, a student will enroll in a course program which has been approved by the Dean or the Dean’s nominee.

- An approved program for a full-time student is one in which a student is enrolled in courses totalling not fewer than 14.5 units and not more than 16.5 units over the academic session (that is, during the 30-week period).
- An approved program for a part-time student is one in which a student is enrolled in courses totalling not fewer than 7 units and not more than 14.5 units, over the academic session (that is, during the 30-week period).

Without the permission of the Dean or the Dean’s nominee, a full-time student may not carry fewer than 7 units or more than 8.5 units in one term per session (that is, during the 15-week period). Without the permission of the Dean or the Dean’s nominee, a part-time student may not carry fewer than 3 units or more than 7 units in one term per session (that is, during the 15-week period).

In order to complete the program requirements, a student must 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 MAIG 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: Indigenous Lands, Rights and Governance; LAW 307B: Civil Procedure; LAW 309: The Law of Evidence; and the Law Faculty's major paper requirement; and
- either IGOV 598 or IGOV 599 (6 units), in lieu of the Law Faculty's non-law course option (3 units) and LAW 399 (3 units);

The first year of the concurrent degree program will be devoted entirely to the first-year LLB curriculum.

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 Law Co-op.

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**2007-08 UVIC CALENDAR**

- the Indigenous Governance Core Courses (6 units): IGOV 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. Grade point averages for the purposes of awarding Law Faculty prizes and scholarships will be calculated only on Faculty of Law courses.

**Concurrent LLB/MBA Degree Program**

A limited number of students who apply and are accepted into both the Law Faculty LLB and Business Faculty MBA programs may earn both degrees concurrently with modified requirements for each. The two degrees normally require five years of study, whereas concurrent degrees may be completed in four years. For information on the MBA program, please see the UVic Graduate Calendar.

To complete the LLB portion of the program, a student must complete the entire first-year law curriculum. After that, the LLB portion of the program requires a student to complete 29 units of law courses, or law-approved courses, including the following:

- 3 units of MBA courses in lieu of the Law Faculty's 3-unit, non-Law course option in other faculties;
- MBA 598: Research Report (3.0) in lieu of LAW 399 (3.0);
- all compulsory LLB courses, including the major paper requirement; and
- the following courses*:
  - LAW 314: Commercial and Consumer Law
  - LAW 315: Business Associations
  - LAW 316: Secured Transactions
  - LAW 317: Real Property Transactions
  - LAW 345: Taxation.

* Or with the approval of the Associate Dean Academic and Student Relations, alternative courses where a required course is not reasonably available to the student.

Students intending to enroll in the concurrent degree program should be aware that scheduling of the program will ordinarily preclude the student's participation in Law Co-op.

Students enrolled in the concurrent LLB/MBA program are subject to the Law Faculty regulations (modified where necessary) in regard to their LLB course requirements. Grade point averages for the purposes of awarding Law Faculty prizes and scholarships will be calculated only on Faculty of Law courses.

**Concurrent LLB/MPA Degree Program**

Students who apply and are accepted into both the Law Faculty LLB and School of Public Administration MPA programs may earn both degrees concurrently with modified requirements for each. For information on the MPA requirements, please see the UVic Graduate Calendar.

The two degrees normally require five years of
study, whereas the concurrent degrees may be completed in four years.

- The first year of the program will be devoted entirely to the first-year Law curriculum.
- The second year of the program will be devoted to completion of Term 1 of the MPA program and subsequently a combination of Law and Public Administration courses (normally for a total of 7.5 to 8.5 units of courses per term).
- The remainder of the program will be devoted to the completion of all other Law and Public Administration course requirements.

Students in the program must complete, after first-year Law, 29 units of Law or Law-approved courses, including the following:

- 3 units of Public Administration courses in lieu of the Law Faculty’s 3-unit non-Law course option in other faculties; and
- ADMN 598 (3.0) in lieu of 3 units of LAW 399.

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 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-OPTERATIVE EDUCATION PROGRAM

The University regulations with respect to Co-operative Education Programs (see page 45) 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 of the Committee to 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, page 39. Decisions of the Senate Committee on Appeals are final and may not be appealed to the Senate.
Faculty of Science

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.

Thomas F. Pedersen, BSc (UBC), PhD (Edin), FRSC, Dean of Science
Claire G. Cupples, BSc (UVic), MSc (Calgary), PhD (York), Associate Dean of Science
Timothy S. Haskett, BA, MA, PhD (Tor), Director of Academic Advising
Ian Blazey, BSc (R’dg), Administrative Officer
Gillian M. Chamberlin, BA (UVic), Advising Officer
Denise J. Chan, Advising Officer
Beth Christopher, Advising Officer
Joyce Gutensohn, BA, MA (UVic), Advising Officer
Lori S. Olson, BSc, MPA (UVic), Advising Officer
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 165).

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 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 Declsaring a Program, page 163 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 designated as not being for credit in the Faculty of Science
- a course designated as being for credit only in a non-science program
- any course offered by the Department of Computer Science and all Software Engineering courses (SENG)
- a course that a student has taken at another institution for which the student has received transfer credit applicable to the categories defined above or for which the student has received transfer credit for a specified number of science units that are not equated to specific science courses

Limitation on 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 29.

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.
- All 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.
- An approved Language 11 course (see page 22) 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 38), and must either:
  - have been eligible for admission to the Faculty of Science from secondary school; or
  - have credit for at least 9 units of Science courses including credit for at least 3 units of Mathematics selected from MATH 100, 101, 102, 151.

<table>
<thead>
<tr>
<th>Faculty of Science Programs</th>
<th>Honours Program</th>
<th>Major Program</th>
<th>General Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astronomy</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Biochemistry</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Earth and Ocean Sciences</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Microbiology</td>
<td>•</td>
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<td></td>
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<tr>
<td>Physics</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
</tbody>
</table>

Note: All Honours and Major programs may be taken with a Co-operative Option.
Transfers from Colleges and Universities

To be eligible for admission to the Faculty of Science from a college or 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 22 and present work they have completed that is equivalent to that specified for transfers from other faculties, colleges and universities, above.

Faculty Academic Regulations

Course Credit

Credit for Courses at Other Institutions

Normally, to be recommended for a degree by the Faculty, a student must complete a minimum of 30 units of courses at UVic, including at least 18 of the minimum 21 units at the 300 or 400 level required for all degree programs and including:

• at least 12 of the 15 units at the 300 or 400 level required for the Major Program; or
• at least 6 of the 9 units at the 300 or 400 level required in each discipline of the General program; or
• if the student is in an Honours Program, not more than 6 units at the 300 or 400 level in the discipline of the Honours Program taken at another institution with the prior approval of the Chair of the relevant department.

Except as permitted by the regulations above, a student who has been admitted to the Faculty may not take courses at another institution for credit towards a degree program offered in the Faculty without the prior written approval, in the form of a Letter of Permission, of the Director of Academic Advising. To be eligible for a Letter of Permission, a student must have completed or be registered in no fewer than 6.0 units at the University of Victoria.

Students are solely responsible for checking the University of Victoria credit for courses to be taken elsewhere, prior to registration, to make sure that there will be no duplication of course credit already received (see also Duplicate and Mutually Exclusive Courses, page 32.)

Upon successful completion of such work, the student must request the other institution to send an official transcript to Undergraduate Records at UVic.

Students who are considering completing their degree requirements at another institution should note that generally other institutions cannot send transcripts of their academic records to Records Services at UVic in time for Records Services to be able to determine a student's eligibility to graduate at the earliest convocation. Such students who complete their degree requirements in the Spring will generally graduate in the Fall and those who complete their degree requirements in the Fall will generally graduate in the Spring.

Students authorized to attend another institution who accept a degree from that institution surrender the right to a UVic degree until they have satisfied UVic's requirements for a second bachelor's degree, page 39.

Credit for Courses in Other Faculties

All courses in other Faculties are acceptable for use as elective credit in the Faculty of Science, if the regulations of the department offering the courses permit and prerequisites are met.

Substitution of Elective Credit for Required Courses:

With the consent of the department offering the student's degree, and with the permission of the Director of Academic Advising, a student may substitute up to 3 units of 300 or 400 level credit for required courses at the 300 and 400 level in a Faculty of Science degree program; such permission is invalid if a student withdraws from the degree program of the department that provided the consent.

Students should review individual department entries for information on the use or substitution of elective credit.

Graduation Standing

The graduation standing of a student in the Faculty of Science is determined in accordance with the University regulations on page 38 and, for a student enrolled in an Honours Program, in conjunction with any Honours requirements specified by the departments concerned.

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 Policy on Academic Integrity, page 33.

Declaring a Program

All students continuing in the Faculty must declare a program by filing a Record of Degree Program (RDP) with the Academic Advising Centre prior to graduation. If a degree program has been chosen and program entry requirements satisfied, students may file an RDP once they have attained second-year standing (credit for at least 12 units of course work) and should do so once they have attained third-year standing (credit for at least 27 units of course work). The purpose of this RDP is to ensure that proposed courses will meet the requirements of the selected program. Any subsequent change to a declared program also must be filed with the Academic Advising Centre.

Students who have not satisfied the University English Requirement must do so before they declare their program.

The RDP is approved in writing by the Academic Advising Centre and, in the case of students who wish to pursue an Honours Program, by the department(s) concerned. Students who satisfactorily complete the program of courses set out in the RDP with the required grades are normally recommended for the degree.

Students who do not have an RDP approved, or who follow a program different from that set out in the approved RDP, may not be eligible to graduate.

Note: Students should be aware that limitations may apply to proposed combinations of the following concurrent degree programs, degree/diploma combinations and degree/minor options.

Time Limit for Degree Completion

Although the Faculty of Science imposes no time limit for the completion of a General or Major program, a department in the Faculty may, with the approval of the Faculty, impose stated time limits for a General or Major program that it offers. Normally, students who have not completed their degree programs within five calendar years of first registration will be required to satisfy any revisions that may have been made to the program requirements since they first registered.

A student in an Honours Program is expected to complete the program in four years or, for a student in the Co-operative Education Program, in five years. A student who wishes to take longer to complete an Honours Program should seek prior approval from the Director of Academic Advising through the Chair of the department concerned. Approval is not automatic.
Faculty Program Requirements

Requirements Common to All Bachelor's Degrees

A student may proceed to a BSc degree, normally in one of three programs: Honours, Major or General. Combined Honours and Major programs are also offered (see below).

Each candidate for a Bachelor's degree must:
1. include in the first 15 units presented for the degree not more than 9 units from any single department, and at least 3 units from each of two other departments.
2. include in the next 15 units presented for the degree not more than 12 units from any single department, and at least 3 units from one other department.
3. have satisfied the Undergraduate English Requirement, page 29.
4. have received credit for at least 21 units of courses at the 300 or 400 level, of which at least 18 units must have been taken at UVic.
5. have received credit for at least 60 units of university-level courses numbered 100 and above, of which normally at least 30 units have been taken at UVic.
6. have received credit for at least 33 units of science courses (see Definition of a Science Course, page 162) except in the combined program in Financial Mathematics and Economics.
7. have satisfied the requirements specified in this Calendar by the department whose program the student has taken.

Honours Program

The Honours Program requires specialization in one or more disciplines in the last two or three years of a degree program and is intended for students of higher academic achievement. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

Admission to an Honours Program

Admission to an Honours Program is restricted to students who have satisfied the prerequisites and met the minimum GPA specified by the department(s) concerned, and who are judged by the department(s) to have the ability to complete the Honours Program. A student who wishes to be considered for admission to an Honours Program should apply to the Chair or Honours Adviser of the department (approval from both departments is required for admission to Combined Honours programs).

Requirements of the Honours Program

A student in an Honours Program must satisfy the requirements common to all bachelor's degrees in the Faculty of Science, listed above.

Each department has its own requirements for its Honours Programs, which are specified in individual department entries elsewhere in the Calendar. Of the 300- and 400-level course units specified by the department concerned, not more than 6 may be taken at another acceptable post-secondary institution, and then only with the prior approval of the department's Honours Adviser.

Continuation in an Honours Program requires satisfactory performance as dictated by the department. If, in the opinion of the department, a student's work at any time is not of Honours standard, the student may be required to transfer to a Major or General program.

Normally, a student should complete the requirements for an Honours Program in four academic years (five years for those students enrolled in the Co-operative Education Program). Students who are undertaking a degree on a part-time basis, and who wish to be considered as candidates for Honours, should discuss the options with the department(s) concerned.

Honours Programs

Astronomy
Biochemistry
Biology
Chemistry
Earth Sciences
Mathematics
Microbiology
Physics
Statistics

Combined Honours Programs

Biology and Earth 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 listed offers both a BA Honours Program and a BSc Honours Program, the requirements of the program leading to the degree selected (BA or BSc) must be met in the department offering the option.

Students completing an Interfaculty program will be subject to the regulations of the faculty in which they are registered.

Joint Honours and Major Program

A student may elect to complete an Honours Program in one area of study together with a Major Program in another area of study, both within the Faculty of Science and both leading to the BSc degree. The Honours Program will be listed first on the student's Record of Degree form (PADRE).

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 or more disciplines in the last two years of a degree program and may permit a student to proceed to graduate study if sufficiently high standing is obtained. The Major Program is also a good preparation for a professional or business career.

Requirements of the Major Program

A student in a Major Program must satisfy the requirements common to all bachelor's degrees in the Faculty of Science, listed above.

Each department has its own requirements for its Major Programs, which usually include the specification of 15 units, and not more than 15 units, of 300- and 400-level course work. At least 12 of these 15 units must be completed at UVic. A department may also specify and require up to 9 units of courses offered by other departments at the 300 or 400 level.

Major Programs

Astronomy
Biochemistry
Biology
Chemistry
Earth Sciences
Mathematics
Microbiology
Physics
Statistics

Combined Major Programs

Biochemistry and Chemistry
Biology and Earth Sciences
Biology and Psychology
Chemistry and Earth and Ocean Sciences
Chemistry and Mathematics
Chemistry and Microbiology
Computer Science and Geography
Computer Science and Mathematics
Computer Science and Psychology
Computer Science and Statistics  
Major in Financial Mathematics and Economics  
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 its 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 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.

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 214)
- Film Studies (see page 214)
- Indigenous Studies (see page 215)
- Music (see page 104)
- Professional Writing in Journalism and Publishing (see page 112)

**MINOR PROGRAM**
A Minor is an optional program that allows students to study in an area outside their Honours, Major, or General Program areas. Requirements vary and are specified in the Minor requirements of the department concerned. Where not specified, the requirements for a Minor follow the requirements for the department General Program in one area only.

- No more than 3 units of the 300- and 400-level course work required for the Minor can be taken elsewhere, and at least 6 of the units required for the Minor must be completed at UVic.
- If the Minor requires 9 units of 300- and 400-level course work, these 9 units cannot form part of the 300- and 400-level department requirements for a student's Honours or Major Program. Corequisite courses in other programs may be counted towards the Minor.
- If the Minor requires less than 9 units of 300- and 400-level course work, no courses at the 300- or 400-level can form part of the requirements for a student's Honours, Major or General Program or Option. Required or corequisite courses at the 200 level or higher in other programs or options may not be counted toward the Minor.

Only one Minor can be declared on a student's program.

In addition to department Minors, the following Minors are offered:

**Interdisciplinary Minors**
- Applied Ethics (see page 216)
- European Studies (see page 215)
- Religious Studies (see page 215)
- Indigenous Studies (see page 215)

**Student-Designed Minor**
Students may undertake an interdisciplinary Minor that is not listed in the Calendar. In addition to the requirements of the Minors listed above, this student-designed Minor must:
- Include courses from at least two departments, with a minimum of 3 units from each department.
- Consist of courses taken only at UVic.
- Have structure, coherence and theme; it cannot consist of unrelated courses.
- Be approved by the Chair/Adviser of the departments concerned.
- Be approved by the Director of Academic Advising.
- Be declared by the end of the student's third year.

Students must discuss their proposed Student-Designed Minor with Department Chairs/Advisers before submitting their request to the Director of Academic Advising. The Student-Designed Interdisciplinary Minor form is available from the Academic Advising Centre, A205, University Centre.

**Co-operative Education Programs**
Refer to page 45 of the Calendar for a general description of Co-operative Education.

Admission to and completion of Co-operative Education Programs are governed by individual departmental regulations. In general, students participating in the Co-operative Education Program must maintain a GPA of at least 3.5 overall. As a required part of the program, students are employed for specific Work Terms, 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 163, 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

Robert D. Burke, BSc, PhD (Alta), Professor, Cross-listed with Biology, and Chair of the Department
Juan Ausejo, BSc, PhD (Barcelona), Professor
Claire Cupples, BSc (Uvic), MSc (Calgary), PhD (York), Professor
Stephen Evans, BSc, PhD (UBC), Professor
Santosh Misra, BSc, MSc (Delhi), PhD (McMaster), Professor
Francis E. Nano, AB (Oberlin), MS, PhD (Ill), Professor
Terry W. Pearson, BSc, PhD (UBC), Professor
Paul J. Romaniuk, BSc, PhD (McMaster), Professor
Christopher Borchers, BSc, MSc, PhD (Konstanz), Associate Professor
Caroline E. Cameron, BSc, PhD (Uvic), 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
Martin J. Boulanger, BSc, PhD (UBC), Assistant Professor
Perry Howard, BSc (Waterloo), PhD (Toronto), Assistant Professor, Cross-listed with Biology
Barbra Currie, BSc (UBC), Senior Microbiology Laboratory Instructor
John Hall, BSc (Uvic), Administrative Officer
Albert Labossiere, Technical Services Manager
Rozanne Poulson, BSc, PhD (Wales), Co-operative Education Coordinator
Glen R. Pryhitka, BSc (UBC), Senior Biochemistry Laboratory Instructor

Visiting, Adjunct and Cross-listed Appointments
Valerie Funk, BSc, MSc, PhD (Victoria), Adjunct Assistant Professor
Brad H. Nelson, BSc (Hons) (UBC), PhD (California), Adjunct Associate Professor
Rozanne Poulson, BSc, PhD (Wales), Adjunct Assistant Professor
Peter H. Watson, BA, MA, BCHir (Cambridge), FRCP (Manitoba), Adjunct Professor
John R. Webb, BSc, MSc, PhD (Western Ontario), Adjunct Associate Professor

Biochemistry and Microbiology

The Department offers Honours, Major, General and Minor Programs in Biochemistry or Microbiology, a Combined Major in Biochemistry or Microbiology and Chemistry, and a Combined Honours and Major in Biochemistry and Physics.

Co-operative Education Programs
Please, see page 168.

Program Requirements

Notes on Course Requirements
- Courses may be taken in different sequences and in different years from those indicated provided the corequisite and prerequisite requirements are satisfied. However, students must be extremely careful in planning programs that differ from the normal sequence and pay close attention to scheduling conflicts.
- Students who do not take MICR 200A and 200B in their second year, or receive a grade of less than B- in BIOC 200, may experience delays in graduation.
- Directed studies courses are normally only available to students with a minimum cumulative GPA of 5.0 and fourth-year standing in the Biochemistry or Microbiology programs.
- Students should consult the Department concerning courses offered in a particular year.
- The Department does not offer the E grade and supplemental examinations.

Honours Programs
Students who wish to be admitted to one of the Honours programs should apply to the Chair of the Department on completion of their third year. The general requirement for admission to the Honours Program is a GPA of at least 6.0 in the preceding 15 units of course work. The regular Biochemistry and Microbiology Honours program must be completed in four academic years. Students in the Biochemistry and Microbiology Cooperative Program must complete the Honours program in five academic years.

An Honours degree will be awarded to students obtaining a minimum GPA of 5.5 in 300- and 400-level department courses, which must include a minimum grade of A- in BIOC 499 and MICR 499.

If a student fails to meet the standards for the Honours degree, but does meet the Major degree requirements, the Department may recommend the appropriate class of Major degree.

Biochemistry Program Requirements

Honours Program

First Year

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<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>ENGL 115 or 135</td>
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<tr>
<td>BIOL 190A</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 100 and 101, or 102 and 151</td>
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</tr>
<tr>
<td>CHEM 101, 102</td>
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</tr>
<tr>
<td>PHYS 102 or 112, or 120 and 220</td>
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<td>Other courses</td>
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<td>Total</td>
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Second Year

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<td>STAT 255 or equivalent</td>
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<tr>
<td>BIOL 225</td>
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<tr>
<td>CHEM 213</td>
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<tr>
<td>CHEM 231</td>
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<td>CHEM 235</td>
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Third Year

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<tr>
<td>CHEM 245</td>
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</tr>
<tr>
<td>BIOC 300A, 300B</td>
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<tr>
<td>BCMB 301A, 301B</td>
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<tr>
<td>MICR 302</td>
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<td>MICR 303</td>
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Fourth Year

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<td>CHEM 337 and one of 335, 347, 352, 353</td>
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<tr>
<td>Two of BIOC 401, 403, 404, 407</td>
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<tr>
<td>Two of MICR 402, 405, 408</td>
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<tr>
<td>BIOC 499</td>
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Major Program

First Year

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<td>ENGL 115 or 135</td>
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<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>
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<tr>
<td>CHEM 101, 102</td>
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<tr>
<td>PHYS 102 or 112, or 120 and 220</td>
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Second Year

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<tr>
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<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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<td>CHEM 235</td>
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<tr>
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<tr>
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Third Year

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<th>Units</th>
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<td>CHEM 222</td>
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<tr>
<td>CHEM 245</td>
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Fourth Year

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<tr>
<td>BCMB 406A, 406B</td>
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</table>
General and Minor Programs

First Year

BIOL 190A
MATH 100 and 101, or 102 and 151
CHEM 101, 102
PHYS 102 or 112, or 120 and 220
Other courses

Total

Second Year

STAT 255 or equivalent
BIOL 225
CHEM 213
CHEM 231
CHEM 235
BIOC 200
MICR 200A, 200B
Other courses

Total

Third Year

BIOC 300A, 300B
MICR 302
MICR 303
3.0 additional units of BIOC or BCMB
Minimum 21 additional course units

Total

Fourth Year

Two of BIOC 401, 403, 404, 407
Three of MICR 402, 405, 408; BIOL 438
MICR 499
Science elective
Other courses

Total

Combined Major in Biochemistry and Chemistry Program Requirements

First Year

CHEM 091 and 101, or 101
MATH 100 and 101, or 102 and 151
CHEM 101, 102
PHYS 112
Electives

Total

Second Year

BIOC 300A, 300B
MICR 302
MICR 303
3.0 additional units of MICR or BCMB
Minimum 21 additional course units

Total

Third Year

BIOC 300A, 300B
BCMB 301A, 301B
MICR 302
MICR 303
MICR 306, 361
Other courses

Total

Fourth Year

Three of MICR 402, 405, 408; BIOL 438
BCMB 406A, 406B
400-level science electives
Other Science elective
Other courses

Total

Additional Required Courses

BIOL 225
CHEM 101, 102
PHYS 102 or 112, or 120 and 220
Other courses

Total

Fourth Year

Two of BIOC 401, 403, 404, 407
BCMB 406A, 406B
CHEM 335
Three of CHEM 318, 347, 361, 364

Total
Two of MICR 402, 405, 408 ........................................ 3.0
Total ........................................................................ 15.0
1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. The Physics requirement may also be satisfied by PHYS 120 and 220, or PHYS 102 and 120.
4. CHEM 231 may be taken in the second term of the first year, and 1.5 units of these electives postponed.

Combined Microbiology and Chemistry Program Requirements

Combined Major in Microbiology and Chemistry

First Year
CHEM 091 and 101, or 101r ........................................ 1.5
CHEM 102 ................................................................ 1.5
ENGL 115 or 135................................................. 1.5
MATH 100, 101 .................................................... 3.0
PHYS 112 ............................................................. 1.5
Electives .................................................................. 4.5
Total ........................................................................ 15.0
Second Year
MICR 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 200A, 200B .............................................. 3.0
Total ........................................................................ 15.0
Third Year
MICR 302, 303 ..................................................... 3.0
BCMB 301 ............................................................ 1.5
CHEM 324, 352, 361, 363 ..................................... 7.5
MICR 302, 303 ..................................................... 3.0
Total ........................................................................ 16.5
Fourth Year
Two of MICR 401, 403, 404, 407 ......................... 3.0
BCMB 406A, 406B .............................................. 3.0
CHEM 335 ............................................................ 1.5
Three of CHEM 318, 347, 361, 364 ..................... 4.5
Two of MICR 402, 405, 408 .................................. 3.0
Total ........................................................................ 15.0
1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. The Physics requirement may also be satisfied by PHYS 120 and 220, or PHYS 102 and 120.
4. CHEM 231 may be taken in the second term of the first year, and 1.5 units of these electives postponed.

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
CHEM 101, 102 ................................................... 3.0
MATH 100, 101 ................................................... 3.0
CSC 110 ................................................................. 1.5
Elective1 .............................................................. 1.5
Total ........................................................................ 15.0
Second Year
PHYS 214, 215 ...................................................... 3.0
PHYS 216 ............................................................. 1.5
PHYS 220 ............................................................. 1.5
MICR 200 ............................................................. 1.5
CHEM 231, 235.................................................... 3.0
MATH 200, 201 .................................................... 3.0
MATH 233A .......................................................... 1.5
MICR 200A .......................................................... 1.5
Total ........................................................................ 15.0 or 16.5
Third Year
PHYS 323 ............................................................. 1.5
PHYS 326 ............................................................. 1.5
PHYS 325 ............................................................. 1.5
PHYS 323 or 325 .................................................. 1.5
PHYS 330A, 330B ................................................ 3.0
MICR 301 ............................................................. 1.5
CHEM 213 ............................................................ 1.5
PHYS 220 ............................................................. 1.5
Elective1 .............................................................. 1.5
Total ........................................................................ 16.5
Fourth Year
PHYS 321A, 321B ................................................ 3.0
PHYS 317 ............................................................. 1.5
PHYS 323 ............................................................. 1.5
PHYS 313 or 314 .................................................. 1.5
PHYS 429A or 429B ............................................. 3.0
Two of PHYS 401, 403, 404 .................................. 3.0
Electives2 ............................................................ 4.5
Total ........................................................................ 18.0

Combined Major 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
CHEM 101, 102 ................................................... 3.0
MATH 100, 101 ................................................... 3.0
CSC 110 ................................................................. 1.5
Elective1 .............................................................. 1.5
Total ........................................................................ 15.0
Second Year
PHYS 214, 215 ...................................................... 3.0
PHYS 216 ............................................................. 1.5
PHYS 220 ............................................................. 1.5
CHEM 231, 235.................................................... 3.0
MATH 200, 201 .................................................... 3.0
MATH 233A .......................................................... 1.5
MICR 200A .......................................................... 1.5
Total ........................................................................ 15.0
Three Year
PHYS 317 ............................................................. 1.5
PHYS 326 ............................................................. 1.5
PHYS 325 ............................................................. 1.5
PHYS 323 or 325 .................................................. 1.5
PHYS 330A, 330B ................................................ 3.0
MICR 301 ............................................................. 1.5
CHEM 213 ............................................................ 1.5
PHYS 220 ............................................................. 1.5
Elective1 .............................................................. 1.5
Total ........................................................................ 16.5
Elective3 ............................................................. 3.0
Fourth Year
PHYS 321A, 321B ................................................ 3.0
PHYS 317 ............................................................. 1.5
PHYS 326 ............................................................. 1.5
PHYS 325 ............................................................. 1.5
PHYS 313 or 314 .................................................. 1.5
Two of PHYS 401, 403, 404 .................................. 3.0
Electives3 ............................................................ 3.0
PHYS electives4 .................................................... 3.0
Total ........................................................................ 15.0

Biochemistry and Microbiology Co-operative Education Program

The Co-operative Education Program in the Faculty of Science is described on page 165.

Co-op/Internship Program Requirements

Entry into the Biochemistry and Microbiology Co-operative Program is restricted to students who are enrolled in an Honours or Major Program offered by the Department. To qualify for entry and continuation in the Co-operative Education Program, students must be enrolled on a full-time basis and must normally maintain a B average (4.5) in Biochemistry and Microbiology courses, and overall. Students are also required to satisfactorily complete four Work Terms. The first Work Term is undertaken in the Summer following the second academic year. After the first Work Term, academic and work terms alternate. Each Work Term will be recorded on the student's academic record and transcript (as COM, N, 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/bioc coop/>. 
**Department of Biology**

William E. Hintz, BSc (Car), MSc, PhD (Tor), Professor and Chair of the Department

Bradley R. Anholt, BSc (Alta), MSc (Calgary), PhD (UBC), Professor

Robert D. Burke, BSc, PhD (Alta), Professor

Francis Y.M. Choy, BSc (Man), MSc, PhD (N Dakota), Professor

William A. Cupples, BSc (Victoria), MSc (Calgary), PhD (Tor), Professor Limited Term (2006-2011)

Kerry R. Delaney, BSc (UBC), PhD (Princeton), Professor

Barry W. Glickman, BSc, MSc (McGill), PhD (Leiden), Professor

Patrick T. Gregory, BSc (Tor), MSc (Man), PhD (Man), Professor

Kim M. Juniper, BSc (Alberta), PhD (Calif-NZ), Professor and BC Leadership Chair in Marine Ecosystems and Global Change

Ben F. Koop, BS, MS (Texas Tech), PhD (Wayne St), Professor

Nigel J. Livingston, BSc (Nott), MSc (Guelph), PhD (UBC), Professor

Asit Mazumder, BSc, MSc (Chittagong), MSc (Brock), PhD (Wat) Professor and NSERC Industrial Chair.

David H. Turpin, BSc, PhD, FRSC, Professor

Verena J. Tunncliffe, BSc (McMaster), MPhil, PhD (Yale), FRSC, Professor

Patrick von Aderkas, BSc (Guelph), PhD (Manc), Professor

Geraldine A. Allen, BSc, MSc (UBC), PhD (Ore St), Associate Professor and Curator of the Herbarium

C. Peter Constabel, BSc (Sask), MSc (UBC), PhD (Montreal), Associate Professor

John E. Dower, BSc (Memorial), PhD (Victoria), Associate Professor

Barbara J. Hawkins, BSc (UBC), PhD (Can), Associate Professor

Louise R. Page, BSc, MSc (Alta), PhD (Victoria), Associate Professor

Robert L. Chow, BSc (Tor), PhD (NYU), Assistant Professor

Perry L. Howard, BSc (Wat), PhD (Tor), Assistant Professor

Robert Ingham, BSc (SFU), PhD (UBC), Assistant Professor

Steve Perlman, BSc, MSc (Tor), MA (Rochester), PhD (Arizona), 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, PhD (Guelph), PhD (Wash), Senior Instructor (2005-2009)

David C. Creasy, BSc, PhD (Man), Senior Instructor (2005-2009)

Thomas E. Reimchen, BSc (Alta), PhD (Liv), Senior Instructor (2005-2009)

Dawna G. Brand, BSc (Victoria), Senior Laboratory Instructor

Heather Down, BSc (Victoria), Scientific Assistant

Catherine M. Franz, BSc (UBC) Scientific Assistant

Thomas A. Gore, Senior Scientific Assistant

Janice D. Gough, BSc (Dalhousie), Administrative Officer

Brent E. Gowen, BSc (Man), Senior Scientific Assistant

My Lipton, BSc (Victoria), Scientific Assistant

Paul A. Lissou, BSc, MSc (Victoria), Laboratory Instructor

Gail Mitchell, BSc, M.Ed (Victoria), Senior Laboratory Instructor

Stephen Mitchell, BSc (Victoria), MSc (UBC), Laboratory Instructor

Anne Parkinson, BSc, MSc (Victoria), Co-operative Education Coordinator

Neville Winchester, BSc, MSc, PhD (Victoria), Senior Laboratory Instructor

**Visiting, Adjunct and Cross-listed Appointments**

Joseph A. Anthony, BS (N Ill), MA (Mon), PhD (Ore St), Adjunct Professor (2004-2007)

Max L. Bothwell, BA, MA (Calif-Santa Barbara), PhD (Wisconsin), Adjunct Professor (2005-2008)

Laurie H.M. Chan, BSc, MSc (Hong Kong), PhD (London), Adjunct Professor (2006-2009)

Job Knuji, BA (UBC), MA, PhD (Calif-Berk), Adjunct Professor (2004-2007)

Thurston C. Lacalli, BSc (Wash), PhD (UBC), Adjunct Professor (2005-2008)

Patrick M.J. MacLeod, BSc (MD), PhD (UBC), Adjunct Professor (2004-2007)

Thomas E. Reimchen, BSc (Alta), PhD (Liv), Adjunct Professor (2006-2009)

Henry R. Reiswig, BA, MA (Calif-Berk), PhD (Yale), Adjunct Professor (2004-2007)

Rachael Scarth, BSc, MSc, PhD (Can), Adjunct Professor (2007-2009)

Nancy M. Sherwood, BSc (Oregon), MA, PhD (Calif-Berk), Adjunct Professor (2004-2007)

Brian H. Weinerman, MD (Manitoba), Adjunct Professor (2005-2008)

Hugh J. Barclay, BSc (UBC), MSc, PhD (Victoria), Adjunct Associate Professor (2005-2008)

Alan E. Burger, BSc, PhD (Cape Town), Adjunct Associate Professor (2004-2007)

Johan De Boer, Kandidaars DrsEx (Groningen), PhD (Amsterdam), Adjunct Associate Professor (2005-2009)

Donald S. Eastman, BSc (UBC), MSc (Aberdeen), PhD (UEC), Adjunct Associate Professor (2004-2007)

Abdul K.M. Ekramoddoullah, BSc, MSc (Dhaka), PhD, (McGill), Adjunct Associate Professor (2005-2008)

Richard J. Hebda, BSc (McMaster), PhD (UBC), Adjunct Associate Professor (2004-2007)

Wolfgang M. Kusser, PhD (Munich) Adjunct Associate Professor (2006-2009)

Johannes P. Van Netten, BSc, PhD (Victoria), Adjunct Associate Professor (2005-2008)

Michael Clinchey, BSc (Tor), MSc, Queen’s, PhD (UBC), Adjunct Associate Professor (2005-2008)

Louis A. Gosselin, BSc, MSc (Laval), PhD (Alberta), Adjunct Assistant Professor (2004-2007)

David M. Holloway, BA (Paget Sound), PhD (UBC), Adjunct Assistant Professor (2004-2007)

Simon R.M. Jones, BSc, MSc, PhD (Guelph), Adjunct Assistant Professor (2006-2009)

Karl W. Larsen, BSc, MSc, PhD (Victoria), PhD (Alta), Adjunct Assistant Professor (2006-2009)

R. John Nelson, BS (Calif-Davis), PhD (Wisconsin), Adjunct Assistant Professor (2004-2007)

Richard Nordin, BSc, MSc (N Dakota), PhD (UBC), Adjunct Assistant Professor (2006-2009)

Michael Stoehr, BSc, MSc (Lake), PhD (Tor), Adjunct Assistant Professor (2006-2009)

J. Anthony Trofymow, BSc (Lehtbridge), MSc, PhD (Colorado), Adjunct Assistant Professor (2004-2007)

Marc M. Trudel, BSc, MSc (Montreal), PhD (McGill), Adjunct Assistant Professor (2006-2009)

Neville Winchester, BSc, MSc, PhD (Victoria), Adjunct Assistant Professor (2005-2008)

**Biology General Office**

Phone: 721-7094 or 721-7095
Fax: 721-7120
E-mail: finnegar@uvic.ca
Web: <web.uvic.ca/biology/>

**Biology Programs**

Students have the opportunity to study Biology at one of the following levels of concentration: General, Minor, Major or Honours. BSc Honours and Major Programs are intended for those planning to become professional biologists. Both require a core of Biology courses, corequisite courses in the other sciences and a selection of upper-level courses suited to the interests of individual students. The Honours Program requires undergraduates to undertake a research project including the writing and defense of an Honours thesis. Students intending to pursue research or continue their studies for MSc or PhD degrees should consider the Honours Program. The distinctive character of BSc or BA General Programs is the variety of course options possible. Students in these programs may wish to combine a concentration in Biology with one in another science area (BSc) or an arts area (BA). Such interdisciplinary programs may be advantageous to students considering a postgraduate degree in the Health Sciences or Education.

**Biology Courses for Non-Majors**

The Biology Department offers several courses for students not undertaking an undergraduate program in Biology. These courses cover areas of Biology of general interest and relevance. Courses in this category include BIOL 150A, 150B, 334, 338 and 400. Certain other courses may be taken with the permission of the instructor.
Faculty of Science

Biology Courses Offered Through the Bamfield Marine Sciences Centre

Marine Science courses (MRNE courses in the course listings) are offered at the Bamfield Marine Sciences Centre, the majority during the summer months. Registration information for the Summer Program is available from the Biology Department and our website:

<www.bms.bc.ca>.

Bamfield Marine Sciences Centre also offers a 7.5 unit Fall Program. Students accepted into this program will have at least third-year 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 Bamfield. 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 Programs

Please, see page 172.

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, and as many as possible of BIOL 215, 225 and 230. Students who wish to take upper-level courses should contact the undergraduate advisor or instructor to determine which core courses are most suitable as prerequisites.

- Students considering going on to professional schools (e.g., Medicine, Dentistry, Veterinary Science) should include the Science, Math and English courses that are prerequisite to entry into these professional programs. Three units of PHYS are required for most first-year preprofessional programs. Students contemplating entry into Medicine after the third year should consult with the Department.

- Students considering a teaching career are advised to consider the following programs:
  - for Senior Secondary level: a BSc Major or Honours
  - for Junior Secondary School and Elementary level: a BSc or BA General Program
  - for teacher certification: consult the Faculty of Education.

- Because of the importance of biometrics in most biological work, students in Biology programs should consider taking additional STAT courses.

- Students may be required to meet part of the expenses involved in required field trips.

- The Department does not offer supplemental examinations.

Notes on Biology Upper Level Electives

Biology upper level electives should be chosen with the student's full program in mind. Students cannot expect to be admitted to courses without the prerequisites.

Honours Program

Honours students complete the program of required courses shown below and the Biology electives as described for the Major, and in addition take BIOL 450 (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

Honours Program

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<tr>
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<td>CHEM 101, 102</td>
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Second Year

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<td>Electives</td>
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Third Year

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Fourth Year

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Major Program

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Second Year

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Third Year

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<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL upper-level electives</td>
<td>9.0</td>
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<td>Science electives</td>
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<tr>
<td>Total</td>
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</tbody>
</table>

Fourth Year

<table>
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<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL upper-level electives</td>
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<tr>
<td>Electives</td>
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<tr>
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<tr>
<td>Total units</td>
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</tr>
</tbody>
</table>
General and Minor Programs

BSc

**First Year**

- BIOL 190A, 190B .................................................. 3.0
- CHEM 101, 102 .................................................... 3.0
- MATH 100 and 101, or 102 and 151 .................. 3.0
- PHYS 102 or 112 ................................................ 3.0
- Electives ................................................................ 3.0
- Total ..................................................................... 15.0

**Second Year**

- BIOL 215 or 225 .................................................... 1.5
- Electives .................................................................. 13.5
- Total ...................................................................... 15.0

**Third and Fourth Year**

- BIOL 200-level or above ................................... 1.5
- BIOL upper-level electives2 ................................ 9.0
- Electives3 ............................................................. 19.5
- Total .................................................................... 30.0
- Total units .......................................................... 60.0

BA

**First Year**

- BIOL 190A, 190B .................................................. 3.0
- CHEM 101, and 102 or 231 ................................. 3.0
- Electives ................................................................ 9.0
- Total ..................................................................... 15.0

**Second Year**

- BIOL 215 or 225 .................................................... 1.5
- Electives .................................................................. 13.5
- Total ...................................................................... 15.0

**Third and Fourth Year**

- BIOL 200-level or above ................................... 1.5
- BIOL upper-level electives2 ................................ 9.0
- Electives3 ............................................................. 19.5
- Total .................................................................... 30.0
- Total units .......................................................... 60.0

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 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. An Honours degree, with distinction, will be awarded to students who in addition obtain a minimum graduating GPA of 6.5.

**First Year**

- BIOL 190A, 190B .................................................. 3.0
- EOS 110, 120 ...................................................... 3.0
- PHYS 112 or 102 .................................................. 3.0
- CHEM 101, 102 .................................................... 3.0
- MATH 100, 101 ..................................................... 3.0
- Total .................................................................... 15.0

**Second Year**

- EOS 330 ................................................................ 1.5
- BIOL 455 ................................................................ 1.5
- BIOL 330 ................................................................ 1.5
- EOS 403 or 425 or 430 ....................................... 1.5
- EOS 460 ................................................................ 1.5
- BIOL 370 ................................................................ 1.5
- Total: .................................................................... 15.0

**Third and Fourth Years**

- Environmental Emphasis
  - BIOL 215 ............................................................ 1.5
  - BIOL 225 ............................................................ 1.5
  - BIOL 230 ............................................................ 1.5
  - EOS 201, 205 ...................................................... 3.0
  - CHEM 231 ......................................................... 1.5
  - CHEM 245 ........................................................ 1.5
  - MATH 201, 205 .................................................. 3.0
  - Elective ............................................................... 1.5
  - Total: ................................................................... 15.0

- Paleontology Emphasis
  - BIOL 215 ............................................................ 1.5
  - BIOL 225 ............................................................ 1.5
  - BIOL 230 ............................................................ 1.5
  - EOS 201, 205 ...................................................... 3.0
  - CHEM 231 ......................................................... 1.5
  - CHEM 245 ........................................................ 1.5
  - MATH 201, 205 .................................................. 3.0
  - Total: ................................................................... 15.0

- Third and Fourth Years

  - Environmental 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 electives2 ......................... 7.5
    - EOS upper-level electives2 ......................... 7.5
    - Science upper-level electives3 .................... 1.5
    - 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
Combined Biology and Psychology Program Requirements

Both Major and Honours BSc degrees are offered within 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.

Core Course Requirements

BIOL 190A, 190B ...............................................3.0
PSYC 100A, 100B ................................................3.0
BIOL 225 ...........................................................1.5
PSYC 323 ...........................................................1.5
PSYC 345A ..........................................................1.5
PSYC 317 ............................................................3.0
Total core .........................................................12.0

Upper-level Biology and Psychology Courses

BIOL 365 ............................................................1.5
BIOL 409A ..........................................................1.5
BIOL 309 or 345 or 409B ......................................1.5
Two of BIOL 404, 432, or 448 .................................3.0
PSYC 323 ...........................................................1.5
PSYC 345A ..........................................................1.5
PSYC 315 or 415B .................................................1.5
Upper-level BIOL or PSYC elective ..........................1.5
Total upper-level BIOL and PSYC units .................17.5

Other Requirements

3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 125, 135, 145, 215 ........................3.0
3 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 261 ....3.0
MATH 100 or 102 or 151 ..................................1.5
CHEM 101 and 102 ..............................................3.0
CHEM 231 and either 232 or 235 ..............................3.0
BIOL 200 ..........................................................1.5
PHYS 102 or 112 .................................................3.0
PSYC 100 or 105 .................................................1.5
Total Other Requirements .................................27.0

Electives ...........................6.0 or 6.5

Other Courses of Potential Interest (Electives) 7

BIOL 215
BIOL 230
BIOL 307
BIOL 360 (required for BIOL 309)
BIOL 361
BIOL 361 and 362
BIOL 335
BIOL 400
BIOL 300A (required for BIOL 360, 361, medical school)
BIOL 300B (required for BIOL 361, medical school)
MATH 101 or other MATH courses
MATH 377
PHIL 100, 201/203, 220, 342A, 460
PE 141
PE 241B
PE 341

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 require a minimum C+ to count towards this combined program.
2. Consult prerequisites for MATH and PHYS 200-level courses when choosing among these courses.
3. At least 21 units of upper-level courses are required to satisfy university requirements.
4. Admission and Graduation Standing requirements for the Honours program are governed by the regulations for the department in which the Honours thesis is taken.
5. Students registering for BIOL 499 must also take BIOL 460 (Honours Seminar).
6. Students planning to do an Honours thesis or a graduate degree in Psychology are advised to take PSYC 300A and 300B.
7. Majors students planning to undertake graduate studies in biopsychology are advised to acquire experience in a research laboratory through paid, volunteer, or Directed Studies positions.

FACULTY OF SCIENCE

UVIC UNDERGRADUATE CALENDAR 2007-08


**Department of Chemistry**

Thomas M. Fyles, BSc (Victoria), PhD (York), FCIC, Professor and Chair of the Department  
Cornelia Bohne, BSc, PhD (Sao Paulo), Professor  
Penelope W. Cudding, BSc, PhD (Michigan State), Professor  
David A. Harrington, BSc (Canterbury), PhD (Auckland), Professor  
Reginald H. Mitchell, BA, MA, PhD (Cambridge), FCIC, Professor  
Frank C.J.M. van Veggel, BSc, PhD (Twente), Professor  
Peter C. Wan, BSc, PhD (Toronto), FCIC, Professor  
David J. Berg, BSc (Victoria), PhD (Berkley), Associate Professor  
Alexandre G. Brolo, BSc, MSc (Sao Paulo), PhD (Waterloo), Associate Professor  
Robin G. Hicks, BSc (Dalhousie), PhD (Guelph), Assistant Professor  
Gerald A. Poulton, BA, PhD (Saskatchewan), FCIC, Associate Professor  
Lisa Rosenberg, BSc (Memorial), PhD (British Columbia), Associate Professor  
Natia Frank, BA (Annandale-on-Hudson), MSc (Wisconsin), PhD (California), Assistant Professor  
Fraser Hof, BSc (Alberta) PhD (Scripps), Assistant Professor  
Dennis K. Hore, BSc (McMaster), PhD (Queens), Assistant Professor  
J. Scott McIndoe, BSc, MSc, PhD (Waikato), Assistant Professor  
Matthew Moffitt, BSc, PhD (McGill), Assistant Professor  
Irina Puci, BSc (ALLCuza) BEd, PhD (Queens), Assistant Professor  
Alexander G. Briggs, BSc (St. Andrews), PhD (Victoria), Senior Instructor  

**Professional Staff**

David E. Berry, BSc (Liverpool), PhD (Bristol), Laboratory Supervisor  
Christine Greenwood, Senior Scientific Assistant  
Diane Lusznia, BSc (Victoria), PhD (Nottingham), 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  
Nicole 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**

Terence E. Gough, BSc, PhD (Leicester), FCIC, Emeritus Professor  
Coreen Hamilton, BSc (McGill), PhD (Alberta), Adjunct Associate Professor  
Martin B. Hoening, BSc (Alberta), PhD (Southampton), CChem, FRSC, FCIC, Emeritus Professor  
Michael G. Ikonornou, PhD (Alberta), Adjunct Associate Professor  
Alexander D. Kirk, BSc (Edinburgh), FCIC, Emeritus and Adjunct Professor  
Eric Krogh, BSc (Toronto), PhD (Victoria), Adjunct Associate Professor  
Alexander McAuley, BSc, PhD, DSc (Glasgow), CChem, MRS, PhD, 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  
Stephen R. Stobart, BSc, PhD (Nottingham), Emeritus Professor  
Paul R. West, BSc, PhD (McMaster), FCIC, Associate Emeritus Professor  

**FACULTY OF SCIENCE**

**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.

**2007-08 UVIC CALENDAR**

A student may complete a Minor in Chemistry by completing the first- and second-year requirements and the third-year Chemistry courses required for the General Program in Chemistry in conjunction with the requirements for an Honours or Major Program offered by another Department (which need not be in the Faculty of Science).

The Department also offers considerable scope for students wishing to include Chemistry as part of a BSc or BA General Program. Students with this training will frequently find career opportunities in industry, at both the technical and managerial levels, as well as in business, teaching and many other occupations. The influence of Chemistry in modern society is considered in CHEM 300A, a course intended for non-scientists who have successfully completed at least 15 units of university credit.

Co-operative Education Programs  
Please, see page 175.

**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.
- Safety glasses or goggles must be worn by all students in laboratories. Chemistry Department laboratory notebooks may be purchased in the University Bookstore.

**Credit for Previously Offered Courses**

Students with credit in the following courses which are no longer offered may make the specified substitutions in any undergraduate program:

- CHEM 100 for CHEM 091 and 101
- CHEM 124 for CHEM 101 and 102
- CHEM 140 with at least B standing for CHEM 101 and 102
- CHEM 140 with less than B standing for CHEM 101
- CHEM 145 for CHEM 245
- CHEM 224 for CHEM 222 and 245
- CHEM 230 for CHEM 231 and 232
- CHEM 233 for CHEM 231 and 235
- CHEM 316 and 317 for CHEM 312 and 318
- CHEM 325 and 422 for CHEM 424 and 425
- CHEM 345 for CHEM 347
- CHEM 423 for CHEM 323
- CHEM 446 for CHEM 347

**Fourth-year Course Selection**

**Offered every year:**

CHEM 423, 432, 465, 466, 475, 498, 499.

**Offered in alternate years:**

The following courses are offered, when possible, once every two years. To aid students in planning, they are listed below in their usual sequence. For up-to-date information on fourth-year course offerings, please see the Chemistry Department’s website at <www.chemistry.uvic.ca>.


Offered in response to student demand:
The following courses will be offered in response to student demand. Students should express their interest in these courses to the Department as early in their program as possible to allow scheduling.

CHEM 447, 477, 480.

Honours Programs
The general requirements for admission to an Honours Program after the second year are shown below.

Students require the permission of the Department to enter an Honours Program and should consult the Department, by interview or letter, no later than one month before the last day for submission of applications for admission or readmission to UVic.

To graduate with an Honours degree in Chemistry, students must achieve a graduating GPA of at least 5.5.

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

First Year
CHEM 091 and 1011, or 1012.............................1.5
CHEM 102 .......................................................1.5
MATH 100, 101..................................................3.0
PHYS 1123 .......................................................3.0
Electives..........................................................6.0

Second Year
CHEM 212, 213, 222, 231, 235, 245.................9.0
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)..................3.0
BIOC 200................................................................1.5
1.5 units of 200-level science courses with the exception of MATH 242, STAT 252, 2543........................................1.5

Third Year
CHEM 318, 324, 335, 347, 352, 353, 361, 362, 363, 364........................................15.0
Electives..........................................................15.0
1. For students with Chemistry 11 and Mathematics 12 or equivalents.
2. For students with Chemistry 12 and Mathematics 12 or equivalents.
3. Physics requirement may also be satisfied by PHYS 120 and 220 or PHYS 102 and 120.
4. CHEM 231 may also be taken in the second term of first year, and 1.5 units of these electives postponed.
5. Some 300 level courses may satisfy this requirement; students should check with the Department in advance that the course they are proposing will be accepted.

Fourth Year
6 units of other 400-level CHEM courses, including at least one from each of the following groups.........................................6.0
CHEM 423, 424, 426, 432, 433, 434, 454, 473
CHEM 411, 447, 455, 458, 459, 475, 476, 477, 480
CHEM 465 and 466..............................................3.0
CHEM 499 ................................................................3.0
Electives..........................................................12.0
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.
4. CHEM 231 may also be taken in the second term of first year, and 1.5 units of these electives postponed.

Combined Chemistry and Biochemistry or Microbiology Program Requirements
Students may obtain a Combined Major in Chemistry and Biochemistry or Chemistry and Microbiology.

Combined Major in Chemistry and Biochemistry

First Year
CHEM 091 and 1011, or 1012.............................1.5
CHEM 102 .......................................................1.5
ENGL 115 (or 135).............................................1.5
MATH 100, 101..................................................3.0
PHYS 1123 .......................................................3.0
Electives..........................................................4.5

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 200A and 200B..........................3.0

Third Year
BIOC 300A, 300B.............................................3.0
BCMB 301A, 301B.............................................3.0
CHEM 324, 352, 353, 362, 363..........................7.5
MICR 302, 303.................................................3.0

Fourth Year
Two of BIOC 401, 403, 404, 407........................3.0
BCMB 406A, 406B.............................................3.0
CHEM 335 .......................................................1.5
Three of CHEM 318, 347, 361, 364..................4.5
Two of MICR 402, 405, 408..............................3.0

Combined Major in Chemistry and Microbiology

First Year
CHEM 091 and 1011, or 1012.............................1.5
CHEM 102 .......................................................1.5
ENGL 115 or 135.............................................1.5
MATH 100, 101..................................................3.0
PHYS 1123 .......................................................3.0
Electives..........................................................4.5

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 200A and 200B..........................3.0

Third Year
BIOC 300A, 300B.............................................3.0
BCMB 301A, 301B.............................................3.0
CHEM 324, 352, 353, 362, 363..........................7.5
MICR 302, 303.................................................3.0
Combined Chemistry and Mathematics Program Requirements

For a BSc degree in the Combined Chemistry and Mathematics Program students may take a Major or Honours Program. These programs are not joint degrees in Chemistry and Mathematics, but a single degree program composed of a selected combination of courses from each of the Departments.

Students opting for either of these combined programs must contact the Departments of Chemistry and Mathematics and Statistics. Each student will be assigned an adviser from each of these Departments. Students considering proceeding to graduate work in either Chemistry or Mathematics must consult with their adviser prior to making their final choice of courses.

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**

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<th>Units</th>
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</thead>
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</tr>
<tr>
<td>CHEM 102</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 212, 213, 222, 231, 235, 245</td>
<td>9.0</td>
</tr>
<tr>
<td>CSC 110, 115 (or 242)</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 100, 101, 122, 200, 201, 233A, 233C</td>
<td>10.5</td>
</tr>
<tr>
<td>PHYS 112\textsuperscript{3}</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOC 200</td>
<td>1.5</td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>CHEM 347, 352, 353, 364</td>
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</tr>
<tr>
<td>CHEM 318 and 361, or 324 and 362, or 335 and 363</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 325, 326, 330A, 330B, 333A</td>
<td>7.5</td>
</tr>
<tr>
<td>MATH 322 or 333C</td>
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</tr>
<tr>
<td>Chemistry and/or Mathematics and Statistics courses numbered 400 or higher</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</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.
3. Physics requirement may also be satisfied by PHYS 120 and 220, or PHYS 102 and 120.

**Third and Fourth Years**

<table>
<thead>
<tr>
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<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CHEM 091 and 101\textsuperscript{3}, or 101\textsuperscript{2}</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 212, 213, 222, 231, 235, 245</td>
<td>9.0</td>
</tr>
<tr>
<td>CSC 110, 115 (or 242)</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 100, 101, 122, 200, 201, 233A, 233C</td>
<td>10.5</td>
</tr>
<tr>
<td>PHYS 112\textsuperscript{3}</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOC 200</td>
<td>1.5</td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 347, 352, 353, 364</td>
<td>6.0</td>
</tr>
<tr>
<td>CHEM 318 and 361, or 324 and 362, or 335 and 363</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 325, 326, 330A, 330B, 333A</td>
<td>7.5</td>
</tr>
<tr>
<td>MATH 322 or 333C</td>
<td>1.5</td>
</tr>
<tr>
<td>Chemistry and/or Mathematics and Statistics courses numbered 400 or higher</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</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.
3. Physics requirement may also be satisfied by PHYS 120 and 220, or PHYS 102 and 120.

Major Program in Chemistry and Earth and Ocean Sciences

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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CHEM 091 and 101, or 101\textsuperscript{2}</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>1.5</td>
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<tr>
<td>CHEM 212, 213, 222, 231, 235, 245</td>
<td>9.0</td>
</tr>
<tr>
<td>CSC 110, 115 (or 242)</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 100, 101, 122, 200, 201, 233A, 233C</td>
<td>10.5</td>
</tr>
<tr>
<td>PHYS 112\textsuperscript{3}</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOC 200</td>
<td>1.5</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 091 and 101, or 101\textsuperscript{2}, or 101 and 102\textsuperscript{2}</td>
<td>3.0</td>
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<tr>
<td>MATH 100, 101</td>
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<tr>
<td>PHYS 112, or 120 and 220</td>
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<tr>
<td>EOS 110, 120</td>
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</tr>
<tr>
<td>Electives</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.

Chemistry Co-op Program Requirements

To enter and remain in the Chemistry Co-op Education Program, students must normally maintain a GPA of 4.5 in Chemistry courses and overall. Students are also required to complete satisfactorily a minimum of four work terms. A student may at any time during an academic term transfer from the Chemistry Co-operative Education Program to a regular Chemistry program.

Students in the Co-op program may commence work terms after one full year of course work, and normally will alternate terms of academic study and work experience, with the following conditions:

1. Students’ work terms must include work with at least three different employers.
2. Two consecutive work terms (totalling 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.

<table>
<thead>
<tr>
<th>School of Earth and Ocean Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kathryn M. Gillis, BSc (Queen's), PhD (Dal), Professor and Director of the School</td>
</tr>
<tr>
<td>Dante Canil, BSc (Windsor), PhD (Alt), Professor</td>
</tr>
<tr>
<td>N. Ross Chapman, BSc (McM), PhD (UBC), Professor</td>
</tr>
<tr>
<td>Stanley E. Dosso, BSc, MSc (UVic), PhD (UBC), Professor</td>
</tr>
<tr>
<td>Christopher J.R. Garrett, BA, PhD (Cantah), FRSC, FRSC, Lansdowne Professor of Ocean Physics</td>
</tr>
<tr>
<td>S. Kim Juniper, BSc (Alta), PhD (Canterbury), Professor (BC Leadership Chair)</td>
</tr>
<tr>
<td>Eric Kunze, BSc (UBC), PhD (Wash), FRSC, Professor (Canada Research Chair)</td>
</tr>
<tr>
<td>Thomas F. Pedersen, BSc (UBC), PhD (Wash), FRSC, Professor and Dean of Science</td>
</tr>
<tr>
<td>George D. Spence, BSc (Calg), MSc, PhD (UBC), Professor</td>
</tr>
<tr>
<td>Verena J. Tunnickiffe, BSc (McM), M Phil, PhD (Yale), FRSC, Professor (Canada Research Chair)</td>
</tr>
<tr>
<td>Andrew J. Weaver, BSc (UVic), PhD (UBC), FRSC, Professor (Canada Research Chair)</td>
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<tr>
<td>Michael J. Whiticar, BSc (UBC), PhD (Christian Albrechts), Professor</td>
</tr>
<tr>
<td>John F. Dower, BSc (Memorial), PhD (UVic), Associate Professor</td>
</tr>
<tr>
<td>Stephen Johnston, BSc (McGill), MSc, PhD (Alt), Associate Professor</td>
</tr>
<tr>
<td>Kevin Telmer, BSc (W Ont), PhD (Ont), Associate Professor</td>
</tr>
<tr>
<td>Eileen Van der Flier-Keller, BA (Dublin), PhD (W Ont), Associate Professor</td>
</tr>
<tr>
<td>Laurence Coogan, BSc (Liverpool), PhD (Leicester), Assistant Professor</td>
</tr>
<tr>
<td>Jay Callen, BSc (McGill), PhD (Rutgers), Assistant Professor</td>
</tr>
<tr>
<td>Roberta C. Hamme, BA (Ponoma), MSc, PhD (Wash), Assistant Professor</td>
</tr>
<tr>
<td>Jody M. Klymak, BSc (UVic), MSc, PhD (Wash), Assistant Professor</td>
</tr>
<tr>
<td>Katrin Meissner, PhD (Bremen), Assistant Professor</td>
</tr>
</tbody>
</table>

| Adam Monahan, BSc (Calg), MSc, PhD (UBC), Assistant Professor |
| Vera Pospelova, PhD (McGill), Assistant Professor |
| Diana E. Varella, BSc (UNS, Arg), MA (Boston), PhD (UBC), Assistant Professor |

**Professional Staff**

| Peter M. Cross, BSc (UVic), Coordinator, Cooperative Education Program |
| John Dorocz, BEng, MASc (UVic), Senior Systems Administrator |
| Duncan Johannessen, BSc (UBC), MSc (Dalhousie), Senior Laboratory Instructor |
| David Nelles, BSc (UBC), Senior Laboratory Instructor |
| Terry Russell, BA (UVic), Administrative Officer, Joseph Spence, BSc, PhD (UVic), Senior Scientific Assistant |
| Sarah Thornton, BSc (UBC), MSc (Alaska), Senior Laboratory Instructor |

**Visiting, Adjunct and Limited Term Appointments**

| Vivek Arora, BEng (Delhi), MSc (Ireland), PhD (Melbourne), Assistant Professor, Limited Term |
| Christopher R. Barnes, BSc (Birm), PhD (Ott), CM, FRSC, PGeo, Emeritus Professor and Project Director, NEPTUNE |
| J. Vaughn Barrie, BSc, PhD (Wales), Professor, Limited Term |
| Melvin E. Best, BSc (UBC), PhD (MIT), Adjunct Professor |
| George J. Boer, BSc (UBC), MA (Tor), PhD (Mass), Professor, Limited Term |
| Brian Bornhold, BSc (Wat), MA (Duke), PhD (MIT), Professor, Limited Term |
| John F. Cassidy, BSc (UVic), MSc, PhD (UBC), Associate Professor, Limited Term |
| James R. Christian, BSc, MSc (UBC), PhD (Hawaii), Assistant Professor, Limited Term |
| William R. Crawford, BSc, MSc (Wat), PhD (UBC), Professor, Limited Term |
| Kenneth L. Denman, BSc (Calg), PhD (UBC), FRSC, Professor, Limited Term |
| Richard Dewey, BSc (UVic), PhD (UBC), Associate Professor, Limited Term |
| Herbert Dragert, BSc (Tor), MSc, PhD (UBC), Professor, Limited Term |
| David M. Farmer, BComm, MSc (McGill), PhD (UBC), Professor, Limited Term |
| Gregory M. Plato, BSc, MSc (Alt), PhD (Dartmouth College, USA), Associate Professor, Limited Term |
| Michael G.G. Foreman, BSc (Queen's), MSc (UVic), PhD (UBC), FRSC, Professor, Limited Term |
| Howard J. Freeland, BA (Essex), PhD (Dal), Professor, Limited Term |
| John C. Frye, BSc (Regina), PhD (McGill), Associate Professor, Limited Term |
| Fariborz Goodarzi, BSc (Teheran), MSc, PhD (Newcastle), Professor, Limited Term |
| John R. Harper, BSc (Calg), MSc, PhD (Louisiana St), Professor, Limited Term |
| Richard J. Hebdon, BSc (McM), PhD (UBC), Professor, Limited Term |
| Philip Hill, BA (Oxford), PhD (Dal), Associate Professor, Limited Term |
| Roy D. Hyndman, BSc, 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 (Carl), Professor, Limited Term |
| Raymond Lett, BSc (London), MSc (Leicester), PhD (UBC), Professor, Limited Term |
| Victor Levson, BSc (Calg), MSc, PhD (Alta), Associate Professor, Limited Term |
| Rolf G. Lucke, BSc, PhD (UBC), Professor, Limited Term |
| Robie W. Macdonald, BSc, PhD (Dal), FRSC, Professor, Limited Term |
| David L. Mackas, BS, MS (Wash), PhD (Dal), Professor, Limited Term |
| Norman McFarlane, BSc (Alt), MSc (McGill), PhD (Mich), Professor, Limited Term |
| Fiona McLaughlin, BSc, MSc, PhD (UVic), Assistant Professor, Limited Term |
| William J. Merryfield, BSc (Stanford), PhD (Colorado), Associate Professor, Limited Term |
| Suzanne Paradis, BScH (UQM), MSc (Mtrl), PhD (Carl), Professor, Limited Term |
| Jonathon M. Preston, BSc (McM), PhD (UBC), Professor, Limited Term |
| Leanne J. Pyle, BSc (Sask), PhD (UVic), Assistant Professor, Limited Term |
| Garry C. Rogers, BSc (UBC), MSc (Hawaii), PhD (UBC), Professor, Limited Term |
| Kristin M. Roeh, BA (Brown), PhD (MIT/WHOI), Associate Professor, Limited Term |
| Peter Ross, BSc (Trent), MSc (Hawaii), PhD (Utrecht), Associate Professor, Limited Term |
| John F. Scinocca, BSc, MSc, PhD (Tor), Professor, Limited Term |
| George J. Simandl, BSc (Concordia), MSc (Carl), PhD (Ecole Poly. Mtrl), Associate Professor, Limited Term |
| Robert Thompson, BSc, PhD (Queen's), Professor, Limited Term |
| Richard Thomson, BSc (UBC), PhD (UBC), FRSC, Professor, Limited Term |
| Svein Vagle, BSc (Bath), PhD (UVic), Associate Professor, Limited Term |
| Knut M. von Salzen, BSc (Munich), MSc, PhD (Hamburg), Associate Professor, Limited Term |
| Kelin Wang, BSc (Peking), PhD (W Ont), Professor, Limited Term |
| John T. Weaver, BSc (Brist), MSc, PhD (Sask), Emeritus Professor |
| David Welch, BSc (Tor), 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), FRSC, 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 (Physical Oceanography)
- Combined Major and Honours in Chemistry and Earth and Ocean 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 Sciences (Environmental Emphasis)
- Combined Major and Honours in Biology and Earth Sciences (Paleontology Emphasis)
- Minor in Ocean Sciences

The Earth Sciences programs require a core of earth sciences courses, corequisite courses in the other sciences and a selection of electives suited to the interests of individual students. 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 paleontological 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 paleontology 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). The Minor in Ocean Sciences is intended to provide students with a broad overview of oceanography, focusing on its essentially interdisciplinary nature.

Co-operative Education Programs

Please, see page 181.

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, honours 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

If a student fails to meet the standards for the Honours degree, while meeting the Major degree requirements, the student may graduate with the appropriate Major degree.

Minor in Ocean Sciences

A student may declare a Minor in Ocean Sciences when enrolled in a Honours, Major, or General Program offered by SEOS or another department or school (which need not be in the Faculty of Science), along with the following set of courses:

- EOS/GEOG 110, 120
- EOS 311, 312, 313, 314
- Two of: EOS 315, 403, 408, 425, 431, 433, 435; BIOL 319, 446; PHYS 426

Four of these courses (311, 312, 313, and 314) will be taken during an intensive Summer Ocean Term, involving a substantial seagoing component. Students normally consult the School's Ocean Science Adviser before admission to the Ocean Science Minor Program at the end of the first or second year of their undergraduate program.

Earth Sciences Program Requirements

Honours in Earth Sciences

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 110, 120</td>
<td>EOS 201</td>
<td>EOS 300</td>
<td>EOS 400</td>
</tr>
<tr>
<td>BIOL 150A or 190A1</td>
<td>EOS 202</td>
<td>BIOL 310</td>
<td>EOS 410</td>
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<td>CHEM 101, 102</td>
<td>EOS 205</td>
<td>CHEM 320</td>
<td>EOS 460</td>
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<tr>
<td>MATH 100, 101</td>
<td>EOS 240</td>
<td>MATH 320</td>
<td>EOS 499</td>
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<tr>
<td>PHYS 112</td>
<td>CHEM 222, 245</td>
<td>PHYS 320</td>
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</tr>
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<td>Elective</td>
<td>MATH 200 (or 205), 201</td>
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<tr>
<td>Total: 15.0</td>
<td>3.0</td>
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</tr>
</tbody>
</table>

FACULTY OF SCIENCE

2007-08 UVIC CALENDAR
Minimum 4.5 units of upper-level EOS electives..........................4.5
Electives...........................................................................3.0
Total ................................................................................15.0
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**

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 110, 120</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOL 150A or 190A¹</td>
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</tr>
<tr>
<td>CHEM 101, 102</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 100, 101</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYS 112</td>
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<tr>
<td>Elective</td>
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<td>Total</td>
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</table>

**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>EOS 202</td>
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<tr>
<td>EOS 205</td>
<td>1.5</td>
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<tr>
<td>EOS 240</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 222, 245</td>
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<td>MATH 200 (or 205), 201</td>
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</tr>
<tr>
<td>EOS 210</td>
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<tr>
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**Third Year**

<table>
<thead>
<tr>
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<tbody>
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<td>EOS 310</td>
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<tr>
<td>EOS 320</td>
<td>1.5</td>
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<tr>
<td>EOS 330</td>
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<tr>
<td>EOS 340</td>
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<tr>
<td>One of EOS 408, 425, 431</td>
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</tr>
<tr>
<td>STAT 260</td>
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<td>Electives</td>
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**Fourth Year**

<table>
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<tbody>
<tr>
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<tr>
<td>Total electives:</td>
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</table>
1. Students who have completed Biology 11 and 12 should take BIOL 190A.

**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**

<table>
<thead>
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<tbody>
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<tr>
<td>EOS 110, 120</td>
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</tr>
<tr>
<td>MATH 100, 101</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 101, 102</td>
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<tr>
<td>CSC 110</td>
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<tr>
<td>Elective</td>
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**Year 2**

<table>
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<tr>
<td>EOS 210 or PHYS 210</td>
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<tr>
<td>PHYS 214, 215, 216</td>
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<tr>
<td>PHYS 220¹</td>
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<td>EOS 201, 202, 205</td>
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**Year 3**

<table>
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<tr>
<td>EOS 300</td>
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<tr>
<td>MATH 323 or 325</td>
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<tr>
<td>MATH 326, 330A, 330B</td>
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<tr>
<td>Elective</td>
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<tr>
<td>Total</td>
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</table>

**Year 4**

<table>
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</tbody>
</table>

1. Only for students who took PHYS 112.
2. CSC 242 and MATH 233A are strongly recommended in second year. CSC 115, 225 and 230 are also recommended.
3. Chosen from EOS 310, 320, 430, 440, 460, PHYS 431. PHYS 431 is strongly recommended.
Note: One of PHYS 460, ASTR 460 or EOS 570 is recommended for third- and fourth-year students.

**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)

<table>
<thead>
<tr>
<th>Year 1</th>
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<tbody>
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<tr>
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<tr>
<td>MATH 100, 101</td>
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<td>CHEM 101, 102</td>
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<td>PHYS 220</td>
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<td>EOS 340</td>
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<td>MATH 200, 201, 233A</td>
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<td>Electives</td>
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<table>
<thead>
<tr>
<th>Year 3</th>
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<td>PHYS 317, 321A, 325, 326</td>
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<td>Electives</td>
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### Combined Major in Chemistry and Earth and Ocean Sciences

#### First Year

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<tbody>
<tr>
<td>PHYS 112, 113; or GEOG 110 and 111</td>
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<tr>
<td>MATH 100, 101</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 101, 102</td>
<td>3.0</td>
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<td>Electives</td>
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#### Second Year

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#### Third Year

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<td>EOS 301, 302, or ENS 101 and 102</td>
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<td>CHEM 103, 104</td>
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<td>MATH 103, 104</td>
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<td>Electives</td>
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#### Fourth Year

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<tbody>
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<td>EOS 110 and 120, or GEOG 110 and 120</td>
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<tr>
<td>CHEM 101, 102</td>
<td>3.0</td>
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<tr>
<td>GEOG 101A</td>
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<tr>
<td>MATH 101, 102</td>
<td>1.5</td>
</tr>
<tr>
<td>PHYS 112</td>
<td>1.5</td>
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<tr>
<td>Electives</td>
<td>3.0</td>
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<tr>
<td>Total</td>
<td>15.0</td>
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</tbody>
</table>
### Combined Major: Geoscience

#### First Year
- **EOS 110 and 120 or GEOG 110 and 120**
- **Chem 101, 102**
- **EOS 101A**
- **Math 100, 101**
- **Phys 112**
- **CSC 100 or 110**

Total: 15.0

#### Second Year
- **EOS 201**
- **EOS 202**
- **EOS 205**
- **EOS 240**
- **EOS 222**
- **EOS 245**
- **Math 201**
- **Math 205**
- **EOS 210**

Total: 15.0

#### Third and Fourth Years
- **EOS 340**
- **EOS 310 or 320**
- **EOS 300 or GEOG 477**
- **EOS 440, 450, 480**
- **EOS 260 or GEOG 226**
- **EOS 210**
- **EOS 110 and 120**
- **ECE 101, 102**
- **EOS 101A**
- **Math 100, 101**
- **Phys 112**
- **CSC 100 or 110**

Minimum 4.5 additional course units

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. EOS 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.

### Combined Geography and Earth Sciences (Geotechnic) 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: Geotechnic

**Admission to the Combined Honours Geography and Earth Sciences (Geotechnic) Program requires the permission of both the Department of Geography and the School of Earth and Ocean Sciences.**

#### First Year
- **EOS 110 and 120 or GEOG 110 and 120**
- **Chem 101, 102**
- **EOS 101A**
- **Math 100, 101**
- **Phys 112**
- **CSC 100 or 110**

Total: 15.0

#### Second Year
- **EOS 201**
- **EOS 202**
- **EOS 205**
- **EOS 240**
- **EOS 222**
- **EOS 245**
- **Math 201**
- **Math 205**
- **EOS 210**

Total: 15.0

#### Third and Fourth Years
- **EOS 340**
- **EOS 310 or 320**
- **EOS 300 or GEOG 477**
- **EOS 440, 450, 480**
- **EOS 260 or GEOG 226**
- **EOS 210**
- **EOS 110 and 120**
- **ECE 101, 102**
- **EOS 101A**
- **Math 100, 101**
- **Phys 112**
- **CSC 100 or 110**

Minimum 4.5 additional course units

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. GEOG 226 and STAT 260: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography or SEOS Undergraduate Adviser before registering in either GEOG 226 or STAT 260 (see page 32).

### Combined Biology and Earth 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 SEOS 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 who, in addition, obtain a minimum graduating GPA of 6.5.

First Year

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
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<td>BIOL 190A or 210, 190B or 220</td>
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<tr>
<td>EOS 110, 120</td>
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<tr>
<td>PHYS 112 or 102</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 101, 102</td>
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Second Year

Environmental Emphasis

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<td>BIOL 225</td>
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<td>BIOL 230</td>
<td>1.5</td>
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<tr>
<td>EOS 201, 205</td>
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<tr>
<td>CHEM 231</td>
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<tr>
<td>CHEM 245</td>
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<tr>
<td>MATH 201, 205</td>
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<tr>
<td>Elective</td>
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Paleontology Emphasis

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<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 215</td>
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<tr>
<td>BIOL 225</td>
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<td>BIOL 230</td>
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<td>EOS 201, 205</td>
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<td>CHEM 231</td>
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<td>CHEM 245</td>
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<tr>
<td>MATH 201, 205</td>
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<tr>
<td>Elective</td>
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Third and Fourth Years

Environmental Emphasis

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<th>Course Code</th>
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<tbody>
<tr>
<td>STAT 255 or 260</td>
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<tr>
<td>BIOL 499 or EOS 499</td>
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<tr>
<td>BIOL 460</td>
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<tr>
<td>BIOL 330</td>
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<tr>
<td>BIOL 370</td>
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<tr>
<td>EOS 460</td>
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<tr>
<td>EOS 403 or 425 or 430</td>
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<tr>
<td>BIOL upper-level electives</td>
<td>7.5</td>
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<tr>
<td>EOS upper-level electives</td>
<td>7.5</td>
</tr>
<tr>
<td>Science upper-level electives</td>
<td>7.5</td>
</tr>
<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30.0 or 31.0</strong></td>
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</table>

Paleontology Emphasis

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>STAT 255 or 260</td>
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<tr>
<td>BIOL 330</td>
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<tr>
<td>BIOL 455</td>
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<td>EOS 330</td>
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Compared Major in Biology and Earth Sciences

<table>
<thead>
<tr>
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<tr>
<td>BIOL 460</td>
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<td>BIOL upper-level electives</td>
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<tr>
<td>Science upper-level electives</td>
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<tr>
<td>Electives</td>
<td>3.0</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>30.0 or 31.0</strong></td>
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</tbody>
</table>

1. Students registering for BIOL 499 must also take BIOL 460 (Honours Seminar).
2. Suggested electives include BIOL 323, EOS 403, 440, 480, 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, Mathematics, Physics and Astronomy or the School of Earth and Ocean Sciences.

School of Earth and Ocean Sciences Co-operative Education Program

Students intending to register in Earth Sciences Major or Honours Programs may wish to combine their academic programs with relevant and productive work experience in industry, business and government. The general concept and requirements of the Co-operative Education Program are given on page 45 and specifics for the Faculty of Science are described on page 165.

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 the 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 45, is permitted in the SEOS Co-op Program.

Students transferring from other post-secondary institutions may apply to enter the Co-op Program when applying for admission to UVic. Co-op students interrupting their academic or Work Term program may apply for reinstatement in the Co-op Program upon return to UVic, but readmission is not guaranteed. Applications and further information concerning the Co-operative Program in SEOS may be obtained from the School.
### Department of Mathematics and Statistics

Gary MacGillivray, BSc, MSc (UVic), PhD (SFU), Professor and Chair of the Department  
Florin N. Diaconu, MMath (Bucharest), PhD (Heidelberg), Professor  
Reinhard Illner, Dip (Heidelberg), PhD (Bonn), Professor  
Mary Lesperance, BA (Windsor), BSc (UVic), MMath, PhD (Waterloo) Professor  
Christina Mynhardt, BA, MA, PhD (Rand Afrikaans Univ.), Professor  
William E. Paffenberger, BA, MA, PhD (Ore), Professor  
John Phillips, BSc (UVic), MA, PhD (Ore), Professor  
Ian F. Putnam, BSc (UVic), PhD (Calif, Berk), FRSC, Professor and CRC Chair  
William J. Reed, BSc, Imp Coll, Lond, MSc (McGill), PhD (UBC), Professor  
Ahmed Ramzi Sourour, BSc, (Cairo), MSc, PhD (Ill), Professor  
Jane (Juan-Juan) Ye, BSc (Xiamen), MBA, PhD (Dal), Professor  
Min Tsao, BSc (Lanzhou), MSc, PhD (SFU) Professor  
Christopher J. Bose, BSc (UBC), MSc, PhD (Tor) Associate Professor  
Roderick Edwards, BA, BSc (UVic), MSc (Heriot-Watt), PhD (UVic), Associate Professor  
Jing Huang, MSc (Acad Sinica), PhD (SFU), Associate Professor  
Marcelo Laca, BSc (Uruguay), MA (Calif, Santa Barb), PhD (Calif, Berk), Associate Professor  
Anthony Quas, BA (Cambridge), Cert. (Cambridge), PhD (Warwick), Associate Professor and CRC Chair  
Julie Zhou, BSc (Nanjing), MSc, PhD (Alberta), Associate Professor  
Martial Agueh, BSc (Benin), MSc (Benin), PhD (Georgia Inst Tech), Assistant Professor  
Ryan Budney, BSc (Alberta), PhD (Cornell), Assistant Professor  
Laura Cowen, BSc (SFU), MMath (Waterloo), PhD (SFU), Assistant Professor  
Peter Dukes, BSc (UVic), MSc (Toronto), PhD (Cal Tech), Assistant Professor  
Heath Emerson, BSc, MSc (UVic), PhD (Penn State), Assistant Professor  
Boualem Khoudri, BSc (Algiers), MA, MSc (Montreal), Assistant Professor  
Farouk Nathoo, BSc (UBC), MMath (Waterloo), PhD (SFU), Assistant Professor  
Mak Trifkovic, BA (Harvard), MSc (Cambridge), PhD (Harvard) Assistant Professor  
Jill Simmons, BSc (UVic), MSc (UVic), PhD (UVic) Senior Instructor  
Robert Steacy, BSc (UBC), MSc, PhD (UVic), Senior Instructor  
Margaret Wyeth, MA, Dip. in Ed. (Edinburgh), MA, PhD (UVic), Senior Instructor  
Charles Burton, BA, MBA (Queen's), Administrative Officer  
Kelly Choo, BSc, MSc (UVic), Coordinator, Systems and Administration (PIMS)  
Marilee V Garrett, BA (Brown), MSc (UVic), Co-operative Education Coordinator (Computer Science and Mathematics)  
Christine M. Wood, BES (Waterloo), MLIS (Western Ontario), Program Assistant, Co-operative Education Program

#### Emeritus, Adjunct and Cross-listed Appointments

Ernest J. Cockayne, MA (Oxon), MSc (McGill), PhD (UBC), Professor Emeritus  
Roger R. Davidson, BSc (Queen's), MA (Tor), PhD (Florida St), Professor Emeritus  
David J. Leeming, BSc (UBC-Vic Coll), MA (Ore), PhD (Alta), Professor Emeritus  
C. Robert Miers, BA (Knox Coll), MA, PhD (Calif, LA), Professor Emeritus  
Hari M. Srivastava, BSc, MSc (Allahabad), PhD (Jodhpur), FRAS (Lond), FNASc (India), FIMA, FMRSAS (Bavaria), FACC (Spain), FFA (India), DSc (honoris causa; Chung Yuan Christian University, Taiwan), FFMANU (Macedonia) Professor Emeritus  
Pauline van den Driessche, BSc, MSc (Imp Coll Lond), DIC, PhD (Wales) Professor Emeritus  
Denton E. Hewgill, BSc, PhD (UBC), Associate Professor Emeritus  
Bruce R. Johnson, BS, MA, (Ore St), PhD (Ore), Associate Professor Emeritus  
Gary G. Miller, BSc (Kansas City), MSc, PhD (Missouri), Associate Professor Emeritus  
Teresa Germanson, BA (Michigan), MS (Cincinnati), MPH (Michigan), PhD (Virginia), Adjunct Professor  
Denis Hanson, BSc (Alberta), MSc (Alberta), PhD (Alberta), Adjunct Professor  
Fausto Milinazzo, BSc, PhD (UBC), Adjunct Professor  
Robert Moody, BA (Sask), MA, PhD (Toronto) Adjunct Professor  
Francis W. Zwiens, BMATH (Waterloo), MSc (Acadia), PhD (Dal), Adjunct Professor  
Richard C. Brewster, BSc, MSc (UVic), PhD (SFU), Adjunct Associate Professor  
Julian West, BSc (CalTech), PhD (MIT), Adjunct Assistant Professor  
Mathematics and Statistics General Office: 721-7437 Fax: 721-8962  
E-mail: office@math.uvic.ca  
Web: <www.math.uvic.ca/>  

### Mathematics and Statistics Programs

The Department offers the following BSc degree programs:
- General, Major or Honours in Mathematics
- General, Major or Honours in Statistics
- Major or Honours in Mathematics and Statistics
- Major or Honours in Chemistry and Mathematics
- Major or Honours in Computer Science and Mathematics
- Major or Honours in Computer Science and Statistics
- Honours in Physics and Mathematics
- Major in Financial Mathematics and Economics

Honours Programs allow specialization in one or more disciplines in the last two or three years and are intended for students of above-average ability. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

The Major in Mathematics is a program broadly based in the mathematical sciences requiring courses in each of pure mathematics, applied mathematics 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 164. 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 136 or page 195, respectively.

The Department also offers the following BA degree programs through the Faculty of Humanities and the Faculty of Social Sciences:
- General, Major or Honours in Mathematics
- General, Major or Honours in Statistics

Students interested in a Bachelor of Arts degree should register in the Faculty of Humanities or the Faculty of Social Sciences, complete the requirements common to all bachelor’s degrees in that faculty, and satisfy the requirements for the General, Major or Honours Program in Mathematics or the General, Major or Honours Program in Statistics described below. Students may also complete a Minor in Mathematics or Statistics.

Co-operative Education Programs

Please, see page 185.

### Program Requirements

**Notes on Course Requirements**

1. Any student who has been awarded a UBC-SFU-UNBC Calculus Examination Certificate can receive credit for MATH 100 with the letter grade corresponding to the examination score. Written application to the Department of Mathematics and Statistics is required.

2. Credit by course challenge is not offered. Any students who demonstrate to the Department that they have mastered the material of a course may be granted advanced placement. For this purpose a score of 4 or 5 on the AP Calculus test will constitute mastery of MATH 100.

3. The prerequisite for MATH 100 is B or better (>72%) in Principles of Mathematics 12 or equivalent, or MATH 120, or PASS in the pre-
test for MATH 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 MATH 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 GPA of at least 6.5 in the second-year courses taken in the Department. A student whose third-year work is not of Honours caliber may be required to withdraw from the program. 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
- MATH 100, 101, 122
- CSC 110, 115 (or 242)
- MATH 200, 201, 233A, 233C
- STAT 260, 261
- Two of MATH 322, 325, 377
- MATH 333A, 333C, 334, 434, 438
- 12 additional units of Mathematics and Statistics courses numbered 300 or higher, of 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.

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 165. Only one Minor may be declared on any degree program.

Statistics Program Requirements
Honours in Statistics
- 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 (or 334), 330B (or 438), 333A, 352
- STAT 350, 353, 450
- Two of MATH 452, STAT 354, 453, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics)
- 6 additional units made up of Mathematics courses numbered 300 or higher, or Statistics courses numbered 400 or higher. (Every program must include at least 6 units of Mathematics and Statistics courses numbered 400 or higher.)

Major in Statistics
- MATH 100, 101
- CSC 110
- MATH 200, 201, 233A
- STAT 260, 261
- MATH 330A, 330B, 377
- STAT 350, 353, 354, 453
- 4.5 additional units made up of Mathematics courses numbered 300 or higher, or Statistics courses numbered 400 or higher. Recommended courses include STAT 450, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics), MATH 352, 452.

General in Statistics
- MATH 100, 101
- MATH 205 (or 200), 233A
- STAT 260 (or 255), 261 (or 256)
- STAT 353, 354, 453
- 4.5 additional units of Mathematics and Statistics courses numbered 300 or higher. Recommended courses include STAT 350, 355, 357, 450, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics), MATH 352, 377, 452.

Minor in Statistics
A student may declare a Minor in Statistics by completing the requirements for an Honours Program or a Major Program offered by another department or school (which need not be in the Faculty of Science) in conjunction with the following set of courses:
- MATH 100 (or 102), 101 (or 151)
- MATH 233A
- STAT 260 (or 255), 261 (or 256)
- STAT 353, 354
- One of STAT 350, 355, 357, 450, 453, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics)

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. Only one Minor may be declared on any degree program.

Combined Mathematics and Statistics Program Requirements
Honours: Mathematics and Statistics
- MATH 100, 101, 122
- 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, 455, 456, 457, 458, 459 (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, 455, 456, 457, 458, 459

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 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
BIOC 200.................................................................1.5
CHEM 091, 1011, or 1012.........................................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, 122, 200, 201, 233A, 233C.............10.5
PHYS 1123 ..............................................................3.0

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
MATH 333A, 334, 434, 438, 445A, 445B .................9.0
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: Chemistry and Mathematics

First and Second Years
BIOC 200.................................................................1.5
CHEM 091, 1011, or 1012.........................................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, 122, 200, 201, 233A, 233C.............10.5
PHYS 1123 ..............................................................3.0

Third and Fourth Year
CHEM 347, 352, 353, 364...........................................6.0
CHEM 318 and 361, or 324 and 362, or 335 and 363 ..................................................3.0
MATH 325, 326, 330A, 330B, 333A.........................7.5
MATH 322 or 333C....................................................1.5
Chemistry and/or Mathematics and Statistics
courses number 400 or higher ..................................3.0
Electives ..................................................................9.0
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.

Computer Science and Mathematics, and
Computer Science and Statistics Program
Requirements
For a BSc degree in Combined Computer Science and Mathematics or Computer Science and Statistics, students may take a Major or Honours program. These programs are not joint degrees in Computer Science and Mathematics or Computer Science and Statistics, but a single degree program composed of selected courses from each of the Departments. Students opting for any of these combined programs must contact the Computer Science and Mathematics and Statistics Departments, and will be assigned an advisor from each of these Departments. Students considering future graduate work in Computer Science, Mathematics or Statistics must consult with their advisors prior to making their final choice of courses.

Students who wish to be admitted to one of the Combined Honours programs should apply in writing to the Honours Advisers of the departments on completion of their second year. Normally, all students will be admitted to the Combined Honours program only if the student meets the following conditions:
1. completion of CSC 110, 115, 212 (formerly 112), 225, 230, and 265
2. completion of at least 10.5 units of the Mathematics and Statistics courses required for the degree
3. a grade of at least B+ in all 200-level CSC courses
4. a GPA of at least 6.5 in all 200-level Mathematics and Statistics courses.

Students may also enter one of the Combined Honours programs upon completion of their third year provided they have:
1. completed all of the 100 level and 200 level courses required for the relevant Combined Honours degree with a GPA of at least 6.0 in these courses
2. completed at least 4.5 units of 300 level courses in Computer Science (including CSC 320 and 349A) and 4.5 units in Mathematics and Statistics (including MATH 333A and 334 for the Mathematics option, or STAT 350 and 355 for the Statistics option), and have obtained a GPA of at least 6.0 in all 300-level Computer Science, Mathematics and Statistics courses taken.

Honours students are expected to maintain a GPA of at least 5.0 in their third year to remain in the program.
A student in a Combined Honours program who achieves a graduating average of at least 6.5 will be recommended for an Honours degree “With Distinction.”

Honours: Computer Science and Mathematics

First and Second Years
MATH 100, 101, 122....................................................4.5
ENGL 115 or 135 ......................................................1.5
ENGR 2401 .............................................................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, 343, 438....................................................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 or Mathematics and Statistics at the 300 level or above 2 ......................................................1.5

Courses chosen from the Departments of Computer Science or Mathematics and Statistics at the 400 level 2 ......................................................4.5
1. ENGL 225 can replace ENGR 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 Mathematics

First and Second Years
MATH 100, 101, 122....................................................4.5
ENGL 115 or 135 ......................................................1.5
ENGR 2401 .............................................................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
STAT 350, 353, 450 ....................................................4.5
Three of MATH 452, STAT 354, 355, 357,
453, 454, 455, 456, 457, 458, 459 (454 can be taken
more than once in different topics) .........................4.5
CSC 320, 326, 349A, 349B, 499 .........................7.5
Two of CSC 425, 445, 446, 449, 484 .......................3.0
Courses chosen from the Departments of Computer Science and Mathematics and Statistics at the 300 level or above 2 ......................................................3.0

1. ENGL 225 can replace ENGR 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
MATH 104 or 105 .................................................. 1.5
ENGR 2401 ......................................................... 1.5
MATH 200 (or 205), 201, 222, 233A .................... 6.0
PHYS 210, 211, 220, 221, 233A ......................... 6.0
STAT 260, 261 ................................................... 3.0
CSC 110, 115 ........................................................ 3.0
CSC 212, 225, 230 ............................................... 4.5
SEN 265 ............................................................ 1.5

Third and Fourth Years

STAT 350, 353 ...................................................... 3.0
Three of STAT 354, 355, 357, 450, 453, 454, 455, 456, 457, 458, 459 (454 can be taken more than once in different topics) .............. 4.5
CSC 320, 326, 349A, 349B ................................... 6.0
Courses chosen from the Department of Computer Science at the 400 level2 .................. 3.0
Courses chosen from the Department of Computer Science and Mathematics and Statistics at the 300 level or above. In selecting these courses, students are urged to take at least one additional course from each of the two departments.2 .......................... 4.5
1. ENGL 225 can replace ENGR 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.

Physics and Mathematics Program Requirements

Honours: Physics and Mathematics

Admission to the third and fourth years of the Honours Program in Physics and Mathematics requires the permission of both the Department of Physics and Astronomy and the Department of Mathematics and Statistics. An Honours degree "With Distinction" will be granted to a student whose GPA, calculated on the best 30 units of approved 300- and 400-level courses, is at least 6.5.

First and Second Years

MATH 100, 101, 200, 201 ...................................... 6.0
MATH 233A, 233C ................................................ 3.0
PHYS 120 and 220, or 112 and 220 .................... 3.0 or 4.5
PHYS 214, 215, 216 .............................................. 4.5
CSC 110 ............................................................ 1.5
CHEM Electives3 .................................................. 3.0
Electives4 .......................................................... 9.0 or 7.5
Total: ................................................................... 30.0

Third and Fourth Years

MATH 325, 326, 334 .............................................. 4.5
MATH 333A, 333C ................................................ 3.0
PHYS 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 electives5 .................................................... 4.5
PHYS electives5 ..................................................... 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. MATH 242 is strongly recommended in second year. PHYS 210, CSC 115, 225 and 230 also are recommended.
4. Electives chosen from Mathematics courses numbered 320 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 320 or higher. This elective must be chosen in consultation with the Department of Physics and Astronomy.

Combined Major: Financial Mathematics and Economics

This is a single degree program leading to a BSc in Financial Mathematics and Economics. Only a Major program is offered. Students are required to take a selected combination of courses from the Department of Mathematics and Statistics and the Department of Economics.

First year

- CSC 110, 115
- ECON 103, 104
- MATH 100, 101, 122
- 1.5 units of first-year English
- 3.0 units of electives

Second year

- ECON 203, 204, 225
- MATH 200, 201, 233A
- STAT 260, 261
- COM 240, 270

Third year

- ECON 305, 313, 365, 366, 435
- MATH 352, 377, 348
- STAT 350, 450

Fourth year

- ECON 454, 468
- MATH 452, 477
- STAT 457
- 7.5 units of electives

Mathematics and Statistics Co-operative Education Program

The Co-operative Education Program in the Faculty of Science is described on page 165. Students in a Major or Honours Program offered by the Department who are admitted to the Co-operative Education Program participate in a combined Computer Science/Mathematics Program during their first two years. In their third year, students may opt to complete either a Computer Science degree program or a Mathematics and Statistics degree program, and will then enter the Co-op Program in the relevant department. Students who opt for a combined or joint degree program involving both departments will remain in the combined Computer Science/Mathematics Co-op Program.

Co-op Program Requirements

The normal requirements for admission to the Computer Science/Mathematics Co-op Program are given in the Computer Science Co-operative Education Programs section, on page 86. 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 43). 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 45, 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), Professor and Chair of the Department
Arif Babul, BSc (Tor), PhD (Prin), Professor
Christopher J.R. Garrett, BA, PhD (Cantab), FRSC, FRSC, Lansdowne Professor of Ocean Physics
Dean Karlen, BSc (Alta), PhD (Stanford), R. M. Pearce Professor of Physics
Richard K. Keeler, BSc (McGill), MSc, PhD (UBC), Professor
Michael Lefebvre, BSc (Laval), PhD (Cantab), Professor
Eric L. Kante, BSc (UBC), MSc, PhD (Washington), Professor
Julio Navarro, BSc, PhD (Universidad Nacional de Cordoba), CIAR Scholar and Professor
Christopher J. Pritchett, BSc (Sask), MSc, PhD (Tor), Professor
Don A. Vandenberg, BSc (Leth), MSc (UVic), PhD (ANU), FRSC, Professor
Arthur Watton, BSc (Imp Coll, Lond), PhD (McMaster), Professor
Robert K. 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
Justin Albert, AB (Harvard), MSc, PhD (Prin), Assistant Professor
Byoung-Chul Choi, Diplom (Aachen), PhD (Freie Universität), Assistant Professor
Rogerio de Sousa, BS, MS (Campinas, Brazil), PhD (Maryland), Assistant Professor
Sara L. Ellison, MPhys (Kent), PhD (Cantab), Assistant Professor and Canada Research Chair
Hendrik Hoekstra, Doctorandus, PhD (Groningen), Assistant Professor
Andrew L. Jirasek, BSc (Calg), MSc (Guelph), PhD (UBC), Assistant Professor
Jody M. Klumak, BSc (UVic), MSc, PhD (Washington), Assistant Professor
Adam Ritz, BSc (Tasmania), MSc (Melbourne), PhD (Imperial College), Assistant Professor
Geoffrey M. Stevens, BSc, PhD (Alta), Assistant Professor
Jon P. Willis, BSc (Glasgow), PhD (Cantab), Assistant Professor
Mark A. Laidlaw, BSc (UVic), MSc, PhD (UBC), Senior Instructor

Research Faculty
Werner Israel, OC, BSc, MSc (Cape Town), Scholar (Dublin), PhD (Trinity), FRSC, FRSC, CIAR Fellow and Adjunct Professor
Randall J. Sobie, BSc, MSc, PhD (Tor), IPP Scientist and Adjunct Professor
Robert A. McPherson, BA (UBC), MA, PhD (Prin), IPP Scientist and Adjunct Associate Professor

Administrative and Academic Professions
Charles R. Card, BA (Reed Coll), Senior Scientific Assistant

Peter M. Cross, BSc (UVic), Coordinator, Cooperative Education Program
Susan Grucci, BEd (UVic), Administrative Officer
Douglas McKenzie, BSc (UVic), Senior Laboratory Instructor
Howard Peng, BEng (UVic), Programmer
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 Zapantis, BSc (UBC), Senior Programmer Analyst

Visiting, Adjunct and Cross-listed

• Combined Major and Honours in Physics and Ocean Sciences (Physical Oceanography)
• Combined Major and Honours in Physics and Earth Sciences (Geophysics)
• Combined Major and Honours in Physics and Ocean Sciences (Physical Oceanography)
• Combined Major and Honours in Physics and Computer Science
• Combined Major and Honours in Physics and Biochemistry

A student may complete a Minor in Physics by completing the requirements for the General Program in Physics in conjunction with the requirements for an Honours or Major Program offered by another Department (which need not be in the Faculty of Science).

A BSc degree in Physics provides a sound basis for entry to graduate programs of study in fields such as Atmospheric Science, Geophysics and Oceanography.
Courses of General Interest
The courses 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 Programs
Please, see page 191.

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 entrance 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 complete Chemistry 11 and 12. Advanced placement is available for students with high standing in both Mathematics 12 and Physics 12.
- Students should consult the timetable or the Department to confirm which courses are offered in any particular term.
- Where consent of the Department is specified as a course prerequisite, this consent must be obtained from the Department Chair or the Chair’s nominee.
- A student may obtain at most 4.5 units of credit from 100-level Physics courses.

Honours Programs: General Regulations
- Admission to the third and fourth years of the Honours programs requires the permission of the Department.
- Admission to the Combined Honours Physics and Mathematics program requires the permission of both the Department of Physics and Astronomy and the School 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 designation “With Distinction” will be awarded to those students who, in addition to satisfying the university requirements for this designation, have a graduating GPA of at least 6.5 as calculated using the 30 units of upper-level courses specified by the department.

Major Programs: General Regulations
- For any Major program in the Department, the course grades used in calculating the GPA on which the degree of honour 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>PHYS 120 and 220, or 112</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 100 and 101</td>
<td>3.0</td>
</tr>
<tr>
<td>CSC 110</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM electives</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
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</table>

Year 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>PHYS 214, 215 and 216</td>
<td>4.5</td>
</tr>
<tr>
<td>PHYS 220&lt;sup&gt;2&lt;/sup&gt;</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 200, 201 and 233A</td>
<td>4.5</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5 or 6.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
</tr>
</tbody>
</table>

Year 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>PHYS 317, 312A, 321B, 323, 325 and 326</td>
<td>9.0</td>
</tr>
<tr>
<td>PHYS 313 or 314</td>
<td>1.5</td>
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<tr>
<td>MATH 326, 330A and 330B</td>
<td>4.5</td>
</tr>
<tr>
<td>MATH 323 or 325</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18.0</strong></td>
</tr>
</tbody>
</table>

Electives chosen from first-year Chemistry courses.

Year 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 410, 421, 422, 423, 429A and 429B</td>
<td>9.0</td>
</tr>
<tr>
<td>PHYS 460</td>
<td>0.0</td>
</tr>
<tr>
<td>Electives</td>
<td>9.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18.0</strong></td>
</tr>
</tbody>
</table>

1. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher (at least 3 units of which must be in Physics courses). These electives must be chosen in consultation with the Department.

Major Program in Physics

Year 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 120 and 220, or 112</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 100 and 101</td>
<td>3.0</td>
</tr>
<tr>
<td>CSC 110</td>
<td>1.5</td>
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<tr>
<td>Electives</td>
<td>7.5</td>
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<tr>
<td><strong>Total</strong></td>
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Year 2

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>PHYS 214, 215, 216</td>
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</tr>
<tr>
<td>PHYS 220&lt;sup&gt;1&lt;/sup&gt;</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>
<tr>
<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, 230 are also recommended.
3. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher (at least 3 units of which must be in Physics courses).

One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

General and Minor Programs in Physics

Year 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
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<tr>
<td>MATH 100 and 101</td>
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</tr>
<tr>
<td>CSC 110</td>
<td>1.5</td>
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<tr>
<td>Electives</td>
<td>7.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15.0</strong></td>
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</table>

Year 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 214, 215 and 216</td>
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<tr>
<td>PHYS 220&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 200 and 201</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</td>
<td>6.0 or 7.5</td>
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Year 3

<table>
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<tr>
<td>PHYS 317, 325 and 326</td>
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<tr>
<td>MATH 330A, 330B and 326</td>
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<tr>
<td>MATH 323 or 325</td>
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Year 4

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1. Only for students who took PHYS 112.
2. CSC 242 and MATH 233A are strongly recommended in second year. ASTR 200A, 200B, PHYS 210, CSC 115, 225, 230 are also recommended.
3. 1.5 units of electives in this program must be chosen from Physics and Astronomy courses numbered 300 or higher.
### Astronomy Programs: Course Requirements

#### Honours Program in Astronomy

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<th>Courses</th>
<th>Units</th>
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<tbody>
<tr>
<td><strong>Year 1</strong></td>
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<tr>
<td></td>
<td>MATH 100 and 101</td>
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<tr>
<td></td>
<td>CSC 110</td>
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<td></td>
<td>CHEM electives</td>
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<td>Electives</td>
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#### Year 2

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<td>Electives</td>
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#### Year 3

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<th>Courses</th>
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<td>ASTR 303 and 304</td>
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<td>MATH 326, 330A and 330B</td>
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#### Year 4

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<td>PHYS 323</td>
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<td>ASTR 403 and 404</td>
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<td>ASTR 400, 402 or 405</td>
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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, 402 or 405 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.

Three units of Chemistry are recommended in this program. One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

### Combined Physics and Astronomy Program Requirements

#### Combined Honours in Physics and Astronomy

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Units</th>
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<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td>PHYS 120 and 220, or 112</td>
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<tr>
<td></td>
<td>Electives</td>
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#### Year 2

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<th>Courses</th>
<th>Units</th>
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<tr>
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<tr>
<td>PHYS 220</td>
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<td>MATH 200, 201 and 233A</td>
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#### Year 3

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<td>PHYS 325 and 326</td>
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<td>ASTR 303 and 304</td>
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</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, 402 or 405 in third year may defer ASTR 304 to the fourth year.
3. CSC 242 is strongly recommended in second year.
4. Electives chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher. Three units of Chemistry are recommended in this program. One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

**Combined Physics and Mathematics Program Requirements**

**Combined Honours in Physics and Mathematics**

**Year 1**

<table>
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<td>MATH 100 and 101</td>
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**Year 2**

<table>
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<td>PHYS 220</td>
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**Year 3**

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<tbody>
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<tr>
<td>PHYS 321A, 321B, 323, 325 and 326</td>
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<tr>
<td>MATH 325, 326, 334 and 434</td>
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**Year 4**

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1. Electives chosen from first-year Chemistry courses.
2. Only for students who took PHYS 112.
3. MATH 233A and 233C may be taken in first year in which case MATH 333A and 333C may be taken in second year.
4. CSC 242 is strongly recommended in second year. PHYS 210, CSC 115, 225, and 230 are also recommended.
5. Electives 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 courses numbered 300 or higher. This elective must be chosen in consultation with the Department of Physics and Astronomy.

**Combined Physics and Earth Sciences (Geophysics) Program Requirements**

**Combined Honours in Physics and Earth Sciences (Geophysics)**

**Year 1**

<table>
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<th>Course</th>
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<td>EOS 110, 120</td>
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**Year 2**

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<td>EOS 201, 202, 205</td>
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<tr>
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<tr>
<td>Total</td>
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</table>

1. Only for students who took PHYS 112.
2. CSC 242 and MATH 233A are strongly recommended in second year. MATH 215 and 230 are also recommended.
3. Chosen from EOS 310, 320, 340, 440, 460, PHYS 431. PHYS 431 is strongly recommended.
4. One of PHYS 460, ASTR 460 or EOS 570 is recommended for third- and fourth-year students.

**Combined Physics and Ocean Sciences (Physical Oceanography) Program Requirements**

**Combined Honours in Physics and Ocean Sciences (Physical Oceanography)**

**Year 1**

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<td>MATH 100, 101</td>
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<td>CHEM 101, 102</td>
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**Year 2**

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<td>EOS 201, 202, 205</td>
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1. Only for students who took PHYS 112.
2. Chosen from EOS 310, 320, 340, 440, 460, PHYS 431. PHYS 431 is strongly recommended.
3. Electives must be chosen in consultation with the Department of Physics and Astronomy. The EOS electives must be chosen in consultation with the School of Earth and Ocean Sciences.

**Combined Major in Physics and Earth Sciences (Geophysics)**

**Year 1**

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**Year 2**

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<tr>
<td>EOS 201, 202, 205</td>
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<tr>
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<tr>
<td>Elective</td>
<td>0.5 or 1.5</td>
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<tr>
<td>Total</td>
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</table>

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.
### FACULTY OF SCIENCE

#### Combined Major 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 220\(^1\) ............................................................. 1.5
- EOS 340 .................................................................. 1.5
- MATH 200, 201, 233A ..................................... 4.5
- Electives\(^2\) ................................................................ 3.0\(^3\) or 4.5
- Total ................................................................. 15.0

**Year 3**
- PHYS 317, 321A, 325, 326 ..................................... 6.0
- Electives ................................................................. 3.0
- MATH 323 or 325 .................................................... 1.5
- MATH 326, 330A, 330B ..................................... 4.5
- Total ................................................................. 15.0

**Year 4**
- PHYS 323, 411, 426 ................................................. 4.5
- EOS 431 .................................................................. 1.5
- EOS 433 or 435 ...................................................... 1.5
- Electives ................................................................. 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, 230 are also recommended.
3. One of PHYS 460, ASTR 460 and EOS 570 is recommended for third- and fourth-year students.

### Combined Physics and Computer Science

#### Program Requirements

**Combined Honours in Physics and Computer Science**

**Year 1**
- PHYS 120 and 220, or 112 ........................................ 3.0
- MATH 100, 101 and 122 ........................................ 4.5
- MATH 110, 115 and 212 .................................... 4.5
- CHEM 101 or 135 ................................................... 1.5
- Elective .................................................................. 1.5
- Total ................................................................. 15.0

**Year 2**
- PHYS 214, 215, 216 ................................................... 4.5
- PHYS 220\(^1\) ............................................................. 1.5
- MATH 200, 201, 233A ..................................... 4.5
- CSC 225, 230, 242 ............................................ 4.5
- SENG 265 ................................................................ 1.5
- ENGR 240 ............................................................. 1.5
- Total ................................................................. 16.5 or 18.0

**Year 3**
- PHYS 325 and 326 ................................................... 3.0
- MATH 326, 330A and 330B ................................ 4.5
- MATH 332 or 325 .................................................... 1.5
- CSC 320, 349A, 349B, 355 and 360 ................... 7.5
- Total ................................................................. 16.5

**Year 4**
- PHYS 317, 321A, 323 ............................................ 4.5
- CSC 320 .................................................................. 1.5
- PHYS electives\(^3\) .................................................... 4.5
- CSC electives\(^2\) .................................................... 4.5
- Total ................................................................. 15.0

1. Only for students who took PHYS 112.
2. These Physics electives must be at the 300 or higher level and must be chosen in consultation with the Department of Physics and Astronomy.
3. At least 3 units of Computer Science courses must be at the 400 level and may include CENG 420 or 1.5 units of SENG courses; they must be chosen in consultation with the Department of Computer Science.

One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

### Combined Major in Physics and Biochemistry

#### Program Requirements

**Combined Honours in Physics and Biochemistry**

**Year 1**
- PHYS 120 and 220, or 112 ........................................ 3.0
- MATH 100, 101 and 122 ........................................ 4.5
- MATH 110, 115 and 212 .................................... 4.5
- CHEM 101 or 135 ................................................... 1.5
- Elective .................................................................. 1.5
- Total ................................................................. 15.0

**Year 2**
- PHYS 214, 215 .......................................................... 3.0
- PHYS 220\(^2\) ............................................................. 1.5
- BIOC 200 .................................................................. 1.5
- CHEM 213, 235 ...................................................... 3.0
- MATH 200, 201 ....................................................... 3.0
- MATH 233A ............................................................ 1.5
- MICR 200A ............................................................ 1.5
- Total ................................................................. 15.0

**Year 3**
- PHYS 325 ................................................................. 1.5
- PHYS 326 ................................................................. 1.5
- MATH 323 or 325 .................................................... 1.5
- MATH 330A, 330B .................................................. 3.0
- BIOC 300A, 300B .................................................. 3.0
- BCMB 301A ............................................................ 1.5
- CHEM 213 ............................................................. 1.5
- CHEM 245 ............................................................. 1.5
- Elective .................................................................. 1.5
- Total ................................................................. 16.5

**Year 4**
- PHYS 321A, 321B ................................................... 3.0
- PHYS 317 ................................................................. 1.5
- PHYS 323 ................................................................. 1.5
- PHYS 313 or 314 ..................................................... 1.5
- BIOC 499 or PHYS 429A and 429B ................. 3.0
- Two of BIOC 401, 403, 404 ............................... 3.0
- Electives\(^3\) ......................................................... 4.5
- Total ................................................................. 18.0

### Combined Major in Physics and Biochemistry

**Year 1**
- ENGL 115 or 135 .................................................... 1.5
- PHYS 112, or 120 and 220 .................................... 3.0
- CHEM 101 and 102 ................................................. 3.0
- MATH 100 and 101 ................................................. 3.0
- CSC 110 ................................................................. 1.5
- BIOI 150A or 190A ............................................... 1.5
- Electives\(^3\) ......................................................... 1.5
- Total ................................................................. 15.0

**Year 2**
- PHYS 214, 215 .......................................................... 3.0
- PHYS 216 ................................................................. 1.5
- PHYS 220\(^2\) ............................................................. 1.5
- BIOC 200 ............................................................... 1.5
CHEM 231, 235 ...................................................... 3.0  
MATH 200, 201 ...................................................... 3.0  
MATH 233A ........................................................... 1.5  
MICR 200A ........................................................... 1.5  
Total ................................................................. 15.0 or 16.5

Year 3  
PHYS 325 ............................................................... 1.5  
PHYS 326 ............................................................... 1.5  
MATH 330A or 325 ................................................ 3.0  
BIOC 300A, 300B .................................................. 3.0  
BCMB 301A ........................................................... 1.5  
CHEM 213 ............................................................. 1.5  
CHEM 245 ............................................................. 1.5  
Elective .................................................................. 1.5  
Total .................................................................... 16.5

Year 4  
PHYS 317, 312A .................................................... 3.0  
PHYS 323 ............................................................... 1.5  
PHYS 313 or 314 ................................................... 1.5  
Two of BIOC 401, 403, 404 ................................... 3.0  
PHYS electives*.................................................... 3.0  
Electives* ............................................................. 3.0  
Total....................................................................... 15.0

1. Must have credit for Biology 11/12 or BIOL 150A and 150B or equivalent.  
2. Only for students who took PHYS 112.  
3. CSC 242 is strongly recommended.  
4. Chosen from Physics and Astronomy courses (or other approved courses) numbered 300 or higher.  
   One of PHYS 460 and ASTR 460 is recommended for third- and fourth-year students.

Physics and Astronomy Co-operative Education Program

The Physics and Astronomy Co-operative Education Program is a year-round program which includes, in addition to the normal Major or Honours academic program for the BSc, employment in jobs related to Physics or Astronomy in industry or government for at least four scheduled Work Terms interspersed between academic terms. This employment is related as closely as possible to the student’s course of studies and individual interest.

Co-op Program Requirements

To qualify for entry to the Physics and Astronomy Co-op program, a student must have satisfied the Undergraduate English Requirement, page 29, be enrolled full time, be proceeding to an Honours or Major degree in the Department of Physics and Astronomy, have at least a 4.5 GPA and have at least a B- in each Physics or Astronomy course taken. To remain in the program, a student must be enrolled full time and maintain an average of at least 3.5. In addition, satisfactory performance in each Work Term is required. Successfully completed Work Terms will be recorded on the student’s record and transcript. Work Term credit by challenge, as outlined on page 45 of the Calendar, is permitted in the Physics and Astronomy Co-op Program.

Except for students in the Combined Physics and Astronomy and Computer Science programs, the first Work Term (following first year) is optional; the last four scheduled Work Terms are required. Students who choose to take the first Work Term will thus be required to complete a total of five Work Terms.

Students in a Combined Physics and Astronomy and Computer Science degree program who wish to participate in Co-op must apply for admission to and be accepted by both the Physics and Astronomy and Computer Science/Mathematics Co-op programs. These students must complete at least two Work Terms in each of Physics and Astronomy and Computer Science/Mathematics Co-op programs in order to complete their Co-op degree requirements. Normally, students will undertake a fifth Work Term, which may be taken in either of the two programs.

Honours students in the Co-operative Education program are normally required to obtain credit for at least 7.5 units in each academic term, or 15 units in two successive academic terms which may be separated by a Work Term. The ninth academic term is not subject to this requirement.
Faculty of Social Sciences

The Social Sciences encompass the systematic study of individual and group behaviour as people interact in and with their cultural, social, economic, political and biophysical environments. The disciplines in the Faculty, namely Anthropology, Economics, Environmental Studies, Geography, Political Science, Psychology and Sociology, enlarge their students’ understanding of themselves and the world.
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 ofAnthropology, Economics, Geography, Political Science, Psychology and Sociology. The Departments of Geography and Psychology also offer BSc Honours, Major and General programs. The Department of Economics offers BSc Honours and Major programs. See chart below.

The School of Environmental Studies offers a BA or BSc degree in either the Major or General Programs when the degree is taken concurrently with a BA Honours, Major or General Program, or a BSc Honours or Major Program, from another academic unit. (See School of Environmental Studies, on page 200.)

Students may obtain a BA in Mathematics or Statistics through the Faculty of Social Sciences. For information, please see page 195.

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, page 26.

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.

STUDENTS IN OTHER FACULTIES
Credit for Studies at Other Universities
Students who wish courses taken at other universities (including universities with which the University of Victoria has formal student exchange agreements) to be credited towards a degree program in the Faculty of Social Sciences must receive prior written approval, in the form of a Letter of Permission, from the Director of Academic Advising. This applies particularly to courses at the 300 and 400 level and to courses which are included in the last 15 units of a degree program. To be eligible for a Letter of Permission to take courses elsewhere, the student must have completed, or be registered in, no less than 6 units at the University of Victoria.

Students are solely responsible for checking the University of Victoria credit for courses to be taken elsewhere, prior to registration, to make sure that there will be no duplication of course credit already received (see also Duplicate and Mutually Exclusive Courses, page 32).

Upon successful completion of such courses, the student must request the Registrar of the other institution to send an official transcript of 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...

<table>
<thead>
<tr>
<th>Faculty of Social Sciences Programs</th>
<th>BA</th>
<th>BSc</th>
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<tbody>
<tr>
<td>Anthropology</td>
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<tr>
<td>Economics 1</td>
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<td>Environmental Studies 2</td>
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<td>European Studies 2</td>
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<td>Geography 4</td>
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<td>Indigenous Studies 3</td>
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<td>Political Science</td>
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<td>Psychology 4</td>
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<tr>
<td>Sociology</td>
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</tbody>
</table>

1. Business Option available
2. Can only be taken as a second component of a Double Major or Joint Honours and Major program
3. See page 215
4. Combined Honours and Major programs also offered: see department entries

Note: All Honours and Major programs may be taken with a Co-operative Option.
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 appropriate their right to a University of Victoria degree until they have satisfied the University's requirements for a second bachelor's degree, page 39.

Normally, the Faculty requires all students qualifying for a University of Victoria degree to complete at UVic at least 12 upper-level units of the 15 required for a Major Program, or at least 6 of the 9 upper-level units required in each area of the General Program.

Students in Honours programs normally may take at another university no more than 6 upper-level units in the discipline in which they are taking Honours, and only with the approval of the Department's Honours Adviser. In addition, students should complete at UVic at least 18 of the 21 upper-level units required for all degree programs.

**Graduation Standing**

The graduation standing of students in the Faculty of Social Sciences is determined in accordance with the University regulations on page 39 of the Calendar, except that the determination of standing “With Distinction” in an Honours program may be subject to conditions specified by the department concerned. Honours students should note that their graduating average alone may not form the basis for determining eligibility for standing “With Distinction.”

If a student graduates in a Double Honours program or in a Joint Honours and Major program, the student’s eligibility for standing “With Distinction” will be determined for each of the two programs separately; a student may graduate “With Distinction” in one program and not in the other.

If one discipline in a Double Honours program or a Joint Honours and Major program qualifies for graduation standing “With Distinction” and the other does not, graduation standing is tied to the respective discipline instead of the degree, and will be shown in the student’s academic record.

In cases of plagiarism and cheating, the Faculty of Social Sciences reserves the right to recommend to Senate the withdrawal of the “With Distinction” designation in addition to the penalties outlined in the University policy on academic integrity, page 33.

**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 39.

**Declaring a Program**

All students continuing in the Faculty must declare a program by filing a Record of Degree Program (RDP) with the Academic Advising Centre prior to graduation. If a degree program has been chosen and program entry requirements satisfied, students may file an RDP once they have attained second-year standing (credit for at least 12 units of course work) and should do so once they have attained third-year standing (credit for at least 27 units of course work). The purpose of this RDP is to ensure that proposed courses will meet the requirements of the selected program. Any subsequent change to a declared program also must be filed with the Academic Advising Centre.

Students who have not satisfied the University English Requirement must do so before they declare their program.

The RDP is approved in writing by the Academic Advising Centre and, in the case of students who wish to pursue an Honours Program, by the department(s) concerned. Students who satisfactorily complete the program of courses set out in the RDP with the required grades are normally recommended for the degree.

Students who do not have an RDP approved, or who follow a program different from that set out in the approved RDP, may not be eligible to graduate.

Note: Students should be aware that limitations may apply to proposed combinations of the following: concurrent degree programs, degree/diploma combinations and degree/minor options.

**Time Limit for Degree Completion**

The Faculty of Social Sciences imposes no time limit for the completion of a General or Major BA or BSc. However, a department in the Faculty may, with the approval of the Faculty, impose stated time limits for a General or Major program that it offers. Students who have not completed their degree programs within five years of being classified as a third-year student must complete the program requirements specified five years or less prior to the completion of their degree.

Honours degrees are normally completed within four years, or for students in the Co-operative Education Program within five years. A student who wishes to take longer to complete an Honours Program should seek prior approval from the Director of Academic Advising through the Chair(s) of the department(s) concerned. Approval is not automatic.

**Faculty Program Requirements**

**Requirements Common to All Bachelor’s Degrees**

A student may proceed to either a BA or BSc degree, normally in one of three programs: Honours, Major or General. Joint Honours and Major programs are also offered (see below).

All degree programs have the following requirements:

1. The Undergraduate English Requirement, page 29
2. A minimum of 60 units of courses numbered 100 and above, of which:
   • at least 30 must normally be completed at UVic
   • at least 21 units are numbered at the 300 or 400 level; 18 of these units must be taken at UVic

3. Years One and Two: Students must take a variety of courses across departments or schools at the University.

   In the first 15 units (representing Year One):
   • not more than 9 units may be taken from any single department
   • a minimum of 6 units must be taken from at least two other departments

   In the next 15 units (representing Year Two):
   • not more than 12 units may be taken from a single department
   • at least 3 units must be taken from one other department

For additional requirements for Honours, Major and General Degree Programs, refer to the individual program descriptions, below.

Departmental requirements for the degree program selected are specified under individual departments and schools.

**Honours Program**

The Honours Program requires specialization in one or more disciplines in the last two or three years of a degree program and is intended for students of higher academic achievement. In some Social Science disciplines, an Honours Program is an excellent preparation for graduate study. Students who plan to undertake graduate studies are strongly advised to follow an Honours Program.

**Admission to an Honours Program**

Admission to an Honours Program is restricted to students who have satisfied the prerequisites and met the minimum GPA specified by the department(s) concerned, and who are judged by the department(s) to have the ability to complete the Honours Program. A student who wishes to be considered for admission to an Honours Program should apply to the Chair or Honours Adviser of the department (approval from both departments is required for admission to Combined Honours programs).

**Requirements of the Honours Program**

A student in an Honours Program must satisfy the requirements common to all bachelor's degrees in the Faculty of Social Sciences, listed above.

Each department has its own requirements for its Honours Programs, which are specified in individual department entries elsewhere in the Calendar. Of the 300- and 400-level course units specified by the department concerned, not more than 6 may be taken at another acceptable post-secondary institution, and then only with the prior approval of the department's Honours Adviser.

Continuation in an Honours Program requires satisfactory performance as dictated by the department. If, in the opinion of the department, a student's work at any time is not of Honours standard, the student may be required to transfer to a Major or General program.

Normally, a student should complete the requirements for an Honours Program in four academic
years (five years for those students enrolled in the Co-operative Education Program). Students who are undertaking a degree on a part-time basis, and who wish to be considered as candidates for Honours, should discuss the options with the department(s) concerned.

Honours Programs
Bachelor of Arts
Anthropology
Economics
Geography
Mathematics
Political Science
Psychology
Sociology
Statistics
Bachelor of Science
Economics
Geography
Psychology
Combined Honours Programs
Biology and Psychology
Geography and Earth Sciences (Geosciences)
Geography and Earth Sciences (Geomatics)
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 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.

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.

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).
• 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.

Interdisciplinary Minors
Applied Ethics (see page 216)
European Studies (see page 215)
Religious Studies (see page 215)
Indigenous Studies (see page 215)

Student-Designed Minor
Students may undertake an interdisciplinary Minor that is not listed in the Calendar. In addition to department Minors, the following Minors are offered:

Sociology

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.

• 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. Required or corequisite courses in other programs may be counted toward the Minor.
• If the Minor requires less than 9 units of 300- and 400-level course work, no courses at the 300- or 400-level can form part of the requirements for a student’s Honours or Major Program. Corequisite courses in other programs may be counted toward the Minor.

Social Sciences Co-operative Education Program
Leah Ashford, MBA (UVic), Coordinator
Claudia Sterling, MBA (UBC), Coordinator

The Social Sciences Co-operative Education Program is a year-round program that formally integrates an education in the social sciences with relevant work experience. 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 200 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.

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 during an academic term.

Department of Anthropology
Heather Botting, BA, MA, PhD (Alberta), MA (Calgary) Senior Instructor
Halya Demirdirek, BA, M.Phil (Norway), PhD (Oslo), Assistant Professor
Leland H. Donald, BA (Emory), PhD (Ore), Professor
Lisa Gould, BA, MA (Alberta), PhD (Wash U St L) Associate Professor
Yin Lam, BA (Harvard), MA (Alberta), MA (Stony Brook), PhD (Stony Brook), Assistant Professor
Quentin Mackie, BA, MA (UVic), PhD (Southampton), Assistant Professor
Warren Magnusson, BA, BPhil, DPhil (Oxford), Professor, Acting Chair
Margo L. Matwychuk, BA (Winn), MPhil, PhD (CUNY), Assistant Professor
Lisa M. Mitchell, BA (Alberta), MA (McMaster), PhD (CWRU), Assistant Professor
April Nowell, BA, MA (McGill), PhD (Pennsylvania), Assistant Professor
Eric A. Roth, BA (Missouri), MA, PhD (Tor), Professor
Peter H. Stephenson, BA (Ariz), MA (Calg), PhD (Tor), Professor
Andrea Walsh, BFA (UVic), MA, PhD (York U), Assistant Professor
Rebecca (Becky) Wigen, BA (Washington), MA (UVic) Senior Lab Instructor
Margot E. Wilson, BA, MA (Tor), MA, PhD (Southern Methodist), Associate Professor

Visiting, Adjunct and Cross-listed Appointments
Steve Acheson, BA, MA, DPhil (Oxford), Adjunct Assistant Professor (2006-2009)
Michael I. Asch, BA, PhD (Columbia), Visiting Professor (2004-2007)
Mayra Brackley, BA, MA, PhD (Toronto), Adjunct Assistant Professor (2004-2007)
Susan Crockford, BSc, PhD (Victoria), Adjunct Assistant Professor (2004-2007)
Mark Ebert, BA, MA, PhD (Aberdeen), Adjunct Assistant Professor (2006-2009)
Mark Lamont, BA, MA, PhD (Edinburgh), Adjunct Assistant Professor (2005-2007)
Mary Ellen Macdonald, BA, MA, PhD (McGill), Adjunct Assistant Professor (2006-2008)
Marjorie Mitchell, BA, MA, PhD (UBC), Adjunct Assistant Professor (2004-2007)
Robin Ridington, BA, PhD (Harvard), Adjunct Professor (2006-2009)
Margaret Rodman, BA, MA, PhD (McMaster), Visiting Scholar (2005-2007)
ANTHROPOLOGY PROGRAMS

The Department of Anthropology offers General, Minor, Major and Honours Programs leading to the degree of Bachelor of Arts.

PROGRAM REQUIREMENTS

Honours Program

Students normally apply for entry into the Honours Program at the end of their second year. Applications are made directly to the Departmental Honours Adviser.

First Year
- ANTH 100

Second Year
- ANTH 200, 240 and 250, with a minimum combined GPA of 6.5 in these three courses
- Permission of the Department for entry into the third-year Honours program

Third and Fourth Years

Students must:
- secure a GPA of at least 6.0 in upper-level Anthropology courses and maintain a cumulative GPA of 5.5 to continue in the program in the fourth year
- fulfill the requirements of the Major Program as listed below, plus an additional 7.5 units as follows:
  - ANTH 316, and 400A or 400B, and 499; and
  - 1.5 units of courses in data analysis techniques, approved by the Department; and
  - an additional 1.5 units of 300- or 400-level courses offered by the Department.

Honours Graduating Standing

An Honours degree "With Distinction" requires:
- a graduating GPA of at least 6.0
- a GPA of at least 6.5 in 300- and 400-level Anthropology courses

An Honours degree requires:
- a graduating GPA of at least 5.0
- a GPA of at least 5.5 in 300- and 400-level Anthropology courses

Students who do not meet these requirements may opt to receive the Major degree.

Major Program

First Year
- ANTH 100

Second Year
- ANTH 200, 240 and 250

Third and Fourth Years

- Ethnology: 1.5 units from ANTH 323, 325, 329, 330, 332, 336, 337, 338, 391, 491
- Archaeology: 3 units from ANTH 341, 342, 343, 344, 347, 348, 349, 360, 392, 449, 492
- Cultural Anthropology: 3 units from ANTH 301, 304, 305, 306, 307, 308, 310, 312, 335, 393, 405, 406, 419, 420, 493
- Physical Anthropology: 3 units from ANTH 350, 351, 355, 394, 450, 451, 453, 494
- Method and Theory: 3 units from ANTH 309, 311, 316, 317, 318, 395, 400A, 400B, 401, 402, 409, 418, 441, 454
- Plus 1.5 additional units from the above courses, or ANTH 396 if not used to satisfy the linguistics requirements

Honours Graduating Standing

An Honours degree "With Distinction" requires:
- a GPA of at least 6.5 in 300- and 400-level Anthropology courses and maintain a cumulative GPA of 5.0 in Anthropology and 5.0 overall.

Students interested in participating in the co-op program should normally apply at the beginning of their second year of studies. Applications must be submitted to the Social Sciences Co-operative Education office. Work terms will alternate with study terms thereafter. The first work term will normally start eight months after the application deadline.
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 should normally be completed by the end of second year and must be completed by the end of third year. Although the Department prefers and recommends ECON 245, STAT 260 can be substituted, provided the minimum grade requirements specified for ECON 245 are satisfied in STAT 260. Although the Department prefers and recommends ECON 246, STAT 261 can be substituted, provided the minimum grade requirements specified for ECON 246 are satisfied in STAT 261. Students seeking admission to the BCom program should be aware that ECON 245 and 246 may be substituted for STAT 252 in satisfying the entry requirements for that program. Applicants to the BCom program who may wish to major in Economics in the event they are not admitted are given priority; ECON 225, and 9 units of Economics courses numbered 300 and above.

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 or 100 (see Note 1)
3. CSC 105 (see Note 5)
4. 1.5 units of first-year English
5. 1.5 units of a Social Sciences course (other than a course in statistics or quantitative methods) outside Economics; 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
10. Either ECON 345 or 365
11. An additional 10.5 units of Economics courses numbered 300 and above

BA Honours
In addition to the requirements for the BA 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 314 or 333 or 401 5. ECON 400 may be substituted for 313, as long as the minimum grade requirement is satisfied 6. ECON 399 and 499 7. In addition to the other specific course requirements, an additional 12 units of Economics courses numbered 300 and above 8. 3 upper-level units in another subject or subjects Also see Other Requirements for BA and BSc Honours Programs, below.

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 140; or MATH 100 and 140; or MATH 101, 200, and 133 or 233A (see Note 1)
3. CSC 105 (see Note 5)
4. 1.5 units of first-year English
5. 1.5 units of a Social Sciences course (other than a course in statistics or quantitative methods) outside Economics; 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. At least one of ECON 450, 451, 452, 453, or 454
13. An additional 7.5 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. ECON 400 and 401 6. An additional one of ECON 450, 451, 452, 453, or 454 7. In addition to the other specific course requirements, an additional 6 units of Economics courses numbered 300 and above 8. 3 upper-level units in another subject or subjects

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 196.

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:
- ECON 204, 205, 206
- MATH 200, 201, 233A
- STAT 260, 261
- COM 240, 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 454.

Students can complete both the Business and Finance Options. COM 240 can be used towards both options, although students should note that COM 240 has pre- or corequisites.

Combined Major: Financial Mathematics and Economics
This is a single degree program leading to a BSc in Financial Mathematics and Economics. Only a major program is offered. Students are required to take a selected combination of courses from the Department of Mathematics and Statistics and the Department of Economics.

First year
- CSC 110, 115
- ECON 103, 104
- MATH 100, 101, 122
- 1.5 units of first year English
- 3.0 units of electives

Second year
- ECON 203, 204, 225
- MATH 200, 201, 233A
- STAT 260, 261
- COM 240, 270

Third year
- ECON 305, 313, 365, 366, 435
- MATH 352, 377, 348
- STAT 350, 450

Fourth year
- ECON 454, 468
- MATH 452, 477
- STAT 457
- 7.5 units of electives

Term Abroad
The Department has student exchange agreements with the City University of Hong Kong, Wageningen University in the Netherlands, and Bocconi University in Milan, Italy.

The program in Hong Kong is offered in cooperation 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 Academic Advising Centre for an Authorization to Take Courses Elsewhere. The term abroad is in the fall of the following year.

The program with Wageningen University is for students with an interest in environmental, natural resource, land-use and agricultural economics, who are in the third or fourth year of their program and have a strong academic record. The successful applicants will spend either the second or third term of their third year, or the first term of their fourth year, at the Wageningen University. Interested students should contact the Undergraduate Advisor sometime during the Fall (Spring) term the year prior to the Fall (Spring) term in which they intend to make the exchange. Applications are made through the International and Exchange Student Services Office; the deadline is in January of each academic year.

The program with Bocconi University is for undergraduate and graduate students who have a strong academic record and have an interest in any field of economics, particularly economic theory, finance, or financial intermediation. Successful undergraduate students will spend a term in their third or fourth year at Bocconi University. Bocconi offers courses in English or Italian. Interested students are advised to contact the Undergraduate Adviser during the Fall of the academic year prior to the academic year in which they intend to go on exchange. Applications are made through the International and Exchange Student Services Office; the deadline is currently in January of each academic year.

Economics Co-operative Education Program
The Co-operative Education Program in the Faculty of Social Sciences is described on page 196. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 45.

The Economics Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Economics-related positions in the public, private or non-profit sectors.

Admissions to the Economics Co-op
Entry into the Economics 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 must normally have a minimum GPA of 4.5 in ECON 103, ECON 104, ECON 225, and ECON 245 with a grade of not less than B- in any one of these courses. A grade of not less than B- is required in CSC 105.

Students interested in participating in the co-op program should normally apply at the beginning of their second year of studies. Students planning to select the co-op education option should plan to complete the prerequisite courses outlined above by no later than their third full-time academic semester. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms and maintain a minimum GPA of 4.5 in Economics courses and overall. Each work term is recorded on the student's official transcript of academic record (as COM, or F). A student may withdraw from the Economics co-op program and graduate with the normal Economics BA or BSc degree without the co-op designation.

Work term credit by challenge, page 45, is permitted in the Economics co-op program. Further information concerning the Economics co-op program is available from the Department and from the Social Sciences Co-operative Education office.
The School of Environmental Studies offers an interdisciplinary program, with courses that examine systemic aspects of environmental issues and explore solutions that cut across the boundaries of traditional disciplines. There is also the recognition that many aspects of local, national and international environmental problems are inextricably connected to our dominant cultural values, and attendant political, social, economic and educational institutions.

The intellectual strength of the School is supported by three distinctive, interdisciplinary research specialties: ethnoecology, ecological restoration and political ecology. Each professor in the School typically has a primary and at least one secondary specialty, which creates an even richer interdisciplinary setting. These specialties infuse the undergraduate curriculum, provide the primary subject areas for graduate studies and define the research activities of the School’s academic staff. Each of these three specialties corresponds to a theme, and together these form the motto of the School: Respect, Restore, Sustain (matching ethnoecology, restoration and political ecology, respectively).

Students are required to combine studies in a traditional discipline with their Environmental Studies program in order to obtain a degree notation that includes Environmental Studies. Students undertake the Major in Environmental Studies together with a Major in another department (a Double Major, see Major Program, page 195) or a Major with an Honours Program (Honours/Major, see Honours Program, page 194) or a Major in another Faculty (see Interfaculty Joint Honours and Major, page 195). 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 196).

Students considering a Major, Minor or General Program in Environmental Studies must take the introductory course, ES 200 (Introduction to Environmental Studies), unless they have already completed ES 300A. It is suggested that students declare their intention to enrol in Environmental Studies by the end of their second year of study.

Many eligible courses in Environmental Studies are 300 and 400 level with prerequisites; students should therefore plan early to incorporate these prerequisites into their schedule and should be aware of the minimum grade requirement for the programs: a B- in ES 200.

When choosing electives, students are also encouraged to include courses in languages and in areas other than those in which the student is majoring; e.g., a student majoring in Sciences, should choose electives from the Social Sciences or Humanities.

Diploma in the Restoration of Natural Systems

A Diploma in the Restoration of Natural Systems is also offered in cooperation 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 201.

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. 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.

Program Requirements

Course Prerequisites

Students are advised of the following prerequisites:

- ES 200 or 300A is a prerequisite for all other ES courses
- ES 240 is a prerequisite for ES 341
- ES 301, 321 and 341 are prerequisites for many fourth-year courses
- BIOL 190A and 190B are prerequisites for BIOL 215, ES 344 (BIOL 330) and ES 348
- STAT 255 or 260 is a prerequisite for ES 344 (BIOL 310)
- ECON 103 is a prerequisite for ECON 312 (ECON 381)

Major Program

The Major program requires:

1. Completion of another Major or Honours program in the Faculties of Social Sciences, Science, or Humanities (only a Double Major or Honours/ Major program is available). In consultation with the Director, students may apply for the Interfaculty Double Major (on page 195) 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 minimum of 15 upper-level Environmental Studies units selected as follows:
   i) 4.5 units of upper-level core courses to be taken in the third and fourth years, including:
      • ES 301 (1.5)
      • ES 321 (1.5)
      • ES 341 (1.5)
   ii) 10.5 additional units chosen by the student
      • Although they are no longer offered, the following courses can also be used: ES 300B, 350, 352, 353, 400A-D, 410, 416, 420, 422, 424, 426, 432, 450.

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
  • BIOC 300 (3.0) General Biochemistry
  • EOS 311 (1.5) Biological Oceanography
  • BIOL 408 (1.5) The Biology of Pollution
  • CHEM 302 (1.5) Industrial Chemistry with Special Reference to Air Pollution
  • CHEM 303 (1.5) Industrial Chemistry with Special Reference to Water Pollution
  • PHYS 310A (1.5) Physics and Technology of Energy

- Social Sciences
  • ANTH 304 (1.5) Technology in Culture
  • ECON 430A (1.5) Natural Resource Economics
  • ECON 430B (1.5) Topics in Natural Resource Economics
  • GEOG 450 (1.5) Decision Making in Resource Management
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 343) .....................................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 toward a degree, subject to the approval of the faculty coordinator

4. The following courses:
   - ER 390 (1.5) Environmental Restoration
   - ER 400 (0) Seminar in Environmental Restoration

Department of Geography

Dan J. Smith, BES, MA (Wat), PhD (Alta), Professor and Chair
Philip Dearden, BA (Birm), MSc (MUN), PhD (UVic), Professor
Mark S. Flaherty, BES (Wat), MA (Guelph), PhD (McMaster), Professor
Harold D. Foster, BSc, PhD (Lond), Professor
C. Peter Keller, BA (Dub), MA, PhD (Wott), 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 (Hall), 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
Dennis E. Jelinski, BSc (Brandon), MSc (Calg) PhD (SFU), Associate Professor
Aleck S. Ostry, BSc, MSc (UCE), MA (SFU), PhD (UBC), Associate Professor (Canada Research Chair)
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

ENVIRONMENTAL STUDIES CO-OPERATIVE EDUCATION PROGRAM

The Co-operative Education Program in the Faculty of Social Sciences is described on page 196. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 45. The Environmental Studies Co-operative Education option provides students with an opportunity to combine their academic studies with four years of work term credit by challenge, page 45, is permitted in the Environmental Studies co-op program.

Further information concerning the Environmental Studies co-op program is available from the School of Environmental Studies or the Social Sciences Co-operative Education office. 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 Studies. The Diploma requires 18 units of course work. It may be taken on a full-time basis (two years required for completion) or on a part-time basis (with a limit of six years). Students are admitted to the Diploma Program on the recommendation of the Faculty Coordinator and/or the Chair of the Program Steering Committee.

Normally, admission to the Diploma program will require completion of a minimum of two years of university transfer credit with the required standing for University admission, and is also available to post-baccalaureate students. Background preparation that includes basic sciences (biology, chemistry and physical geography) is strongly recommended, and may be considered in competitive admission. The preparation of each student is assessed on entry, and additional lower-level courses may be required. Courses are offered at the third-year level and include offerings cross-listed with regular third-year UVic courses. Students should anticipate standards of written work and examineable 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.

2007-08 UVIC CALENDAR

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FACULTY OF SOCIAL SCIENCES

Maycira Costa, HBSc (Rio Grande), MSc (Nat Inst for 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
Teresa Dawson, BA, MA (Oxford), MA (McMaster), Senior Instructor and Director, Learning & Teaching Centre
Ian J. O’Connell, BA, MA (Cork), PhD (UVic), Senior Instructor
John Fowler, BSc (Nfld), MSc (UVic), Senior Laboratory Instructor
John H. Newcomb, BA, MA, MA (UVic), Senior Laboratory Instructor and Course Advisor
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 Advisor

VISITING, ADJUNCT, CROSS-LISTED AND LIMITED TERM APPOINTMENTS
Spyros Beltaos, Dipl. Eng. (Nat. Technical), Msc, PhD (Alta), Adjunct Professor (2006-2009)
Barry E. Boots, BA (Bristol), MA, PhD (Rutgers), DSc (Bristol), Adjunct Professor (2005-2008)
Donald H. Burn, BSc, MSc, PhD (Wat), Adjunct Professor, (2007-2010)
Allan L. Carroll, BSc (SFU), MSc, PhD (UNB), Adjunct Professor (2006-2009)
Leslie T. Foster, BSc (Lond), MA, PhD (Tor), Adjunct Professor (2006-2009)
James S. Gardner, BSc (Alta), MSc, PhD (McGill), Adjunct Professor (2006-2009)
John J. Gibson, BSc, PhD (Tor), MSc , PhD (Wat), Adjunct Professor (2005-2008)
Jim F. R. Gower, BA, PhD (Cambridge), Adjunct Professor (2006-2009)
Joji Isaka, BSc, MSc (Rittkyo), PhD (Tokyo), Adjunct Professor (2005-2008)
Terry D. Prowse, BES (Wat), MSc (Trent), PhD (Cant), Professor, Limited Term
Nancy Turner, BSc (UVic), PhD (UBC), Professor (Environmental Studies) (2005-2008)
Frederick J. Worna, BSc, PhD (Calg), Professor, Limited Term
Stephanie E. Chang, BSE (Princeton), MS, PhD (Cornell), Adjunct Associate Professor (2005-2008)
Stephen E Cross, BSc, MSc (UVic), PhD (Stirling), Associate Professor, Limited Term
Glen S. Jamieson, BSc (McG), PhD (UBC), Adjunct Associate Professor (2005-2008)
Gail L. Kacera, BA (Mich), MS/WS/Wash, PhD (Wash), Adjunct Associate Professor (2006-2009)
Richard S. Mackie, MA (St. Andrews), MA (UVic), PhD (UBC), Adjunct Associate Professor (2005-2008)
Douglas G. Maynard, BA, MSc (UBC), PhD (Sask), Adjunct Associate Professor (2005-2008)
Theodore McDorman, BA (Tor), LLB, LLM (Dal), of the Bar of Nova Scotia, Associate Professor (Law) (2006-2009)
Clifford Robinson, BSc (UVic), MSc (Alta), PhD (UBC), Adjunct Associate Professor (2005-2008)
Rick Rollins, BSc (Alta), BA (UVic), MSc (Ore), PhD (Wash), Adjunct Associate Professor (2006-2009)
Goetz Schuherholz, Dipl (Freiburg), MSc (UBC), PhD (Freiburg), Adjunct Associate Professor (2005-2008)
Donald N. Stone, BA, MA (Alta), PhD (Sask), Adjunct Associate Professor (2007-2010)
Stephen R. Tyler, BSc (Trent), ME Des (Calg), PhD (Calif, Berk), Adjunct Associate Professor (2006-2009)
Eileen Van der Flier-Keller, BA (Dub), PhD (W Ont), Associate Professor (Earth and Ocean Sciences) (2006-2009)
Stephen A. Wolfe, BSc (Queens'), PhD (Guelph), Adjunct Associate Professor (2006-2009)
Barrie R. Bonsal, BSc, MSc, PhD (Sask), Adjunct Assistant Professor (2006-2009)
Charles Burnett, BSc (U of A), MSc (UVic), PhD (Turku), Adjunct Assistant Professor (2007-2010)
Jon M. S. Corbett, BA (Newcastle), MSc (Oxford), PhD (UVic), Adjunct Assistant Professor (2005-2008)
Trevor J. Davis, BSc, MSc (UVic), PhD (UBC), Adjunct Assistant Professor (2005-2008)
A. Holly Dolan, BA (W Ont), PhD (Guelph), Adjunct Assistant Professor (2006-2009)
Christopher A. Houser, BSc, MSc (Guelph), PhD (Tor), Adjunct Assistant Professor (2006-2009)
Sophia C. Johannessen, BSc, MSc, PhD (Dalh), Adjunct Assistant Professor (2006-2009)
Trudy A. Kavanagh, BA (York), MSc (Tor), BEd (Ottawa), PhD (UVic), Adjunct Assistant Professor (2005-2008)
Tara E. Sharma, BSc, MSc (Gujarat), PhD (UBC), Adjunct Assistant Professor (2005-2008)
William Wagner, BSc (Calif, Berk), Dip (Ore S), MA, PhD (UVic), Adjunct Assistant Professor (2005-2008)
Michael Walder, BA (Calg), ME Des, PhD (Wat), Adjunct Assistant Professor (2005-2008)
Mark Zacharias, BSc, MSc (UVic), PhD (Guelph), Adjunct Assistant Professor (2006-2009)

Geography Programs

The Geography Department offers General, Minor 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 Cornell 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 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

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td>GEOG 101A and 101B (see Note 1 below) ........................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>Electives ......................................................................................... 12.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units:</strong> ............................................................................ 15.0</td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
<td>GEOG 226 (see Notes 1 and 2 below) ................................................. 1.5</td>
</tr>
<tr>
<td></td>
<td>GEOG 209, 211, 218 (see Notes 1 and 3 below) .................................... 4.5</td>
</tr>
<tr>
<td></td>
<td>Courses outside the Faculty of Social Sciences ............................... 3.0</td>
</tr>
<tr>
<td></td>
<td>Courses from the Faculty of Social Sciences other than Geography .......... 3.0</td>
</tr>
<tr>
<td></td>
<td>Electives (see Note 4 below) ........................................................ 3.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units:</strong> ............................................................................ 15.0</td>
</tr>
<tr>
<td><strong>Third and Fourth Years</strong></td>
<td>Minimum 15 upper-level Geography units as specified for the BA Major ........ 15.0</td>
</tr>
<tr>
<td></td>
<td>GEOG 324 ..................................................................................... 1.5</td>
</tr>
<tr>
<td></td>
<td>GEOG 499 ..................................................................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>Course outside the Faculty of Social Sciences .................................. 1.5</td>
</tr>
<tr>
<td></td>
<td>Minimum 9.0 additional course units .............................................. 9.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units:</strong> ............................................................................ 30.0</td>
</tr>
<tr>
<td>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), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 228.</td>
<td></td>
</tr>
<tr>
<td>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 32).</td>
<td></td>
</tr>
<tr>
<td>3. Students interested in pursuing two or more areas from the following list: Geomatics, Physical Geography, Human Geography or Resource Management, 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.</td>
<td></td>
</tr>
</tbody>
</table>

### BSc Major Program

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td>GEOG 101A and GEOG 101B (see Note 1 below) ........................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>Electives ......................................................................................... 12.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units:</strong> ............................................................................ 15.0</td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
<td>GEOG 226 (see Notes 1 and 2 below) ................................................. 1.5</td>
</tr>
<tr>
<td></td>
<td>GEOG 209, 211, 218 (see Notes 1 and 3 below) .................................... 4.5</td>
</tr>
<tr>
<td></td>
<td>Courses outside the Faculty of Social Sciences ............................... 3.0</td>
</tr>
<tr>
<td></td>
<td>Courses from the Faculty of Social Sciences other than Geography .......... 3.0</td>
</tr>
<tr>
<td></td>
<td>Electives (see Note 4 below) ........................................................ 3.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units:</strong> ............................................................................ 15.0</td>
</tr>
<tr>
<td>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), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 228.</td>
<td></td>
</tr>
<tr>
<td>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 32).</td>
<td></td>
</tr>
<tr>
<td>3. Students interested in pursuing two or more areas from the following list: Geomatics, Physical Geography, Human Geography or Resource Management, 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.</td>
<td></td>
</tr>
</tbody>
</table>

### BA General and Minor Programs

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td>GEOG 101A and 101B (see Note 1 below) ........................................... 3.0</td>
</tr>
<tr>
<td></td>
<td>Electives ......................................................................................... 12.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units:</strong> ............................................................................ 15.0</td>
</tr>
</tbody>
</table>
At least one additional upper-level course chosen either from Physical Geography or Geomatics.......................... 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 110, 111B, 110 (EOS 110), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 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 32).
3. Students interested in pursuing two or more areas from the following list: Geomatics, Physical Geography, Human Geography or Resource Management, 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.

### 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 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 (APEGBGC) during or after completing either of the programs. APEGBGC has more requirements beyond course work, and reserves the right to set standards and adapt 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A (see Note 1 below)</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 110 and 120, or EOS 110 and 120 (see</td>
<td>3.0</td>
</tr>
<tr>
<td>Note 1 below)</td>
<td></td>
</tr>
<tr>
<td>CSC 100 or 200 level</td>
<td>1.5</td>
</tr>
<tr>
<td>One of MATH 100, 102, 151</td>
<td>1.5</td>
</tr>
<tr>
<td>Courses from Biology/Chemistry/Physics</td>
<td>3.0</td>
</tr>
<tr>
<td>Course outside the Faculties of Science</td>
<td>1.5</td>
</tr>
<tr>
<td>and Engineering, and Geography</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>3.0</td>
</tr>
<tr>
<td>Total Units:</td>
<td>15.0</td>
</tr>
</tbody>
</table>

#### Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 226 (see Notes 1 and 2 below)</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 222 (see Note 1 below)</td>
<td>1.5</td>
</tr>
<tr>
<td>At least one course from GEOG 101B, 209,</td>
<td>1.5</td>
</tr>
<tr>
<td>211, 218, 228 (see Notes 1 and 3 below)</td>
<td></td>
</tr>
<tr>
<td>Other courses from the Faculties of Science</td>
<td>4.5</td>
</tr>
<tr>
<td>and Engineering, and Geography</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>4.5</td>
</tr>
<tr>
<td>Total Units:</td>
<td>15.0</td>
</tr>
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</table>

#### Third and Fourth Years

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least one course from GEOG 319, 322,</td>
<td>3.0</td>
</tr>
<tr>
<td>323, 325, 326, 328, 329, 418, 420, 422,</td>
<td>1.5</td>
</tr>
<tr>
<td>428</td>
<td></td>
</tr>
<tr>
<td>At least one course from GEOG 370, 372,</td>
<td>3.0</td>
</tr>
<tr>
<td>373, 374, 376, 379, 474, 475, 476, 477, 478,</td>
<td>1.5</td>
</tr>
<tr>
<td>480</td>
<td></td>
</tr>
<tr>
<td>Total Units:</td>
<td>15.0</td>
</tr>
</tbody>
</table>

### Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOS 201, 202, 205, 240</td>
<td>6.0</td>
</tr>
<tr>
<td>GEOG 222 (see Note 1 below)</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 376</td>
<td>1.5</td>
</tr>
<tr>
<td>CHEM 245</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 100, 101</td>
<td>3.0</td>
</tr>
<tr>
<td>PHYS 112</td>
<td>3.0</td>
</tr>
<tr>
<td>Total Units:</td>
<td>15.0</td>
</tr>
</tbody>
</table>

### Third and Fourth Years (Bsc Combined Major)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 228 (see Note 1 below)</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 226 or STAT 260 (see Notes 1 and 2</td>
<td>1.5</td>
</tr>
<tr>
<td>below)</td>
<td></td>
</tr>
<tr>
<td>EOS 340</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 440 or GEOG 370</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 450 or GEOG 476</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 300 or GEOG 477</td>
<td>1.5</td>
</tr>
<tr>
<td>One of EOS 403, 425, 430, 480</td>
<td>1.5</td>
</tr>
<tr>
<td>Two of GEOG 319, 322, 325, 328</td>
<td>3.0</td>
</tr>
<tr>
<td>EOS 499 or GEOG 499</td>
<td>3.0</td>
</tr>
<tr>
<td>Minimum 9.0 additional upper-level Geography</td>
<td></td>
</tr>
<tr>
<td>or EOS units chosen by the student</td>
<td>9.0</td>
</tr>
<tr>
<td>Minimum 7.5 additional course units</td>
<td>7.5</td>
</tr>
<tr>
<td>Total Units:</td>
<td>30.0</td>
</tr>
</tbody>
</table>

### Third and Fourth Years (Bsc Combined Honours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 228 (see Note 1 below)</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 226 or STAT 260 (see Notes 1 and 2</td>
<td>1.5</td>
</tr>
<tr>
<td>below)</td>
<td></td>
</tr>
<tr>
<td>EOS 340</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 440 or GEOG 370</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 450 or GEOG 476</td>
<td>1.5</td>
</tr>
<tr>
<td>EOS 300 or GEOG 477</td>
<td>1.5</td>
</tr>
<tr>
<td>One of EOS 403, 425, 430, 480</td>
<td>1.5</td>
</tr>
<tr>
<td>Two of GEOG 319, 322, 325, 328</td>
<td>3.0</td>
</tr>
<tr>
<td>EOS 499 or GEOG 499</td>
<td>3.0</td>
</tr>
<tr>
<td>Minimum 9.0 additional upper-level Geography</td>
<td></td>
</tr>
<tr>
<td>or EOS units chosen by the student</td>
<td>9.0</td>
</tr>
<tr>
<td>Minimum 4.5 additional course units</td>
<td>4.5</td>
</tr>
<tr>
<td>Total Units:</td>
<td>30.0</td>
</tr>
</tbody>
</table>
**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.

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A, 101B ...............................................................3.0</td>
</tr>
<tr>
<td>GEOG 110 and 115 ........................................................................3.0</td>
</tr>
<tr>
<td>ENGL 115 or 135, 136 ..................................................................1.5</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 222, 226, and 228 .........................................................4.5</td>
</tr>
<tr>
<td>Fourth Year</td>
</tr>
<tr>
<td>GEOG 306, 347A, 347B, 348, 349 ...........................................3.0</td>
</tr>
<tr>
<td>Total Units ...........................................................................15.0</td>
</tr>
</tbody>
</table>

### GEOG 226 and STAT 255: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography Advisor before registering in either GEOG 226 or STAT 255 (see Credit Limit, page 32).

### BA Major or BSc Major in Geography (Geomatics Option) Requirements

This option is intended for students who wish to supplement studies in Geography with studies focusing on Geomatics. Students must satisfy the requirements of their BA or BSc program in Geography, as well as a Minor program in Computer Science.

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 110 and 115 ........................................................................3.0</td>
</tr>
<tr>
<td>GEOG 101A and GEOG 101B (see note 1 below) .............................3.0</td>
</tr>
<tr>
<td>Math 100 or 102 ........................................................................1.5</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 222, 226, and 228 (see note 1 and 2 below) .........................4.5</td>
</tr>
<tr>
<td>Total Units ...........................................................................15.0</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, 101B, 110 (EOS 110), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 228.
   - GEOG 226 and STAT 255: 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 255 (see Credit Limit, page 32).

### BSc Major (Geomatics)

<table>
<thead>
<tr>
<th>First Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 222, 226, and 228 .........................................................4.5</td>
</tr>
<tr>
<td>Total Units ...........................................................................15.0</td>
</tr>
</tbody>
</table>

2. GEOG 226 and STAT 255: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography Advisor before registering in either GEOG 226 or STAT 255 (see Credit Limit, page 32).
Minimum of 1.5 additional upper-level course units .................................................. 1.5
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, 101B, 110 (EOS 110), GEOG 120 (EOS 120), GEOG 209, 211, 218, 222, 226, 228.
   2. GEOG 226 and STAT 255: Students who already have credit for an introductory statistics course numbered 200 or above from another academic unit must consult with a Geography Advisor before registering in either GEOG 226 or STAT 255 (see Credit Limit, page 32).

**GEOGRAPHY 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 45.

The Geography Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in Geography-related positions in the public, private or non-profit sectors.

**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 5.5 in Geography courses as well as an overall GPA of 5.5. Admission will also be based on a student’s interests and abilities.

Students interested in participating in the co-op program should normally apply in their first or 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 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, page 45, is permitted in the Geography co-op program.

Further information concerning the Geography co-op program is available from the Department or the Social Sciences Co-operative Education office.

### Undergraduate Course Index

#### First Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101A</td>
<td>Biophysical Systems and the Human Environment</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 101B</td>
<td>Introduction to Human Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 110</td>
<td>Introduction to the Earth System: I</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 120</td>
<td>Introduction to the Earth System: II</td>
<td>1.5</td>
</tr>
</tbody>
</table>

#### Second Year

(Prerequisites as specified under individual course descriptions)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 209</td>
<td>Introduction to Resource Management</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 211</td>
<td>Economic Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 218</td>
<td>Cultural Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 219</td>
<td>Geography of British Columbia</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 222</td>
<td>Introduction to Geographical Information</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 226</td>
<td>Introduction to Quantitative and Qualitative Methods in Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 228</td>
<td>Digital Geomatics</td>
<td>1.5</td>
</tr>
</tbody>
</table>

#### Third and Fourth Year

(Prerequisites as specified under individual course descriptions)

#### Comprehensive Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 324</td>
<td>Directions in Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 490</td>
<td>Directed Studies in Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 491</td>
<td>Special Topics in Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 499</td>
<td>Honours Seminar and Essay</td>
<td>1.5</td>
</tr>
</tbody>
</table>

#### Geomatics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 308</td>
<td>Introduction to GIS</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 319</td>
<td>Remote Sensing of the environment</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 322</td>
<td>Digital Remote Sensing</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 323</td>
<td>Cartography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 325</td>
<td>Field Surveying</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 326</td>
<td>Special Topics in Geographic Data Analysis</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 328</td>
<td>GIS for Natural Science</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 329</td>
<td>GIS for Social Sciences</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 413</td>
<td>Geo-visualization</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 414</td>
<td>Implementing Corporate Spatial Databases</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 418</td>
<td>Advanced Spatial Analysis and Geostatistics</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 420</td>
<td>Field Studies in Geomatics</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 422</td>
<td>Advanced Topics in Digital Remote Sensing</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 428</td>
<td>Advanced Topics in Geographic Information Sciences</td>
<td>1.5</td>
</tr>
</tbody>
</table>

#### Physical Geography

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 370</td>
<td>Hydrology</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 372</td>
<td>Physical Climatology</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 373</td>
<td>Applied Climatology</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 374</td>
<td>Biogeography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 376</td>
<td>Geomorphology I</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 377</td>
<td>Applied Geomorphology</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 379</td>
<td>Pedology</td>
<td>1.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 474</td>
<td>Advanced Biogeographical Concepts</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 475</td>
<td>Boundary Layer Climatology</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 476</td>
<td>Geomorphology II</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 477</td>
<td>Field Studies in Physical Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 478</td>
<td>Advanced Applied Geomorphology</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 480</td>
<td>Advanced Hydrology</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Human Geography**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 306</td>
<td>Geography of Canada</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 314</td>
<td>Global Environmental Change and Human Response</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 327</td>
<td>Qualitative Methods in Human Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 340</td>
<td>Geography of the City</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 343</td>
<td>Planning and Urban Development</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 344</td>
<td>Urban Problems of Pacific Rim Developing Countries</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 346</td>
<td>Geography of Environment and Health</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 347A</td>
<td>Geography of Economic and Cultural Change: Developed World</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 347B</td>
<td>Geographies of Development</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 382</td>
<td>Geography of Southeast Asia</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 383</td>
<td>Physical and Cultural Geography of China</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 384</td>
<td>Geography of Japan</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 385</td>
<td>Environmental Aesthetics</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 386</td>
<td>World Political Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 388</td>
<td>Regional Studies</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 425</td>
<td>Survey Methods and Analysis in Geography</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 431</td>
<td>Geography of Tourism</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 440</td>
<td>Interpreting the Suburban Landscape</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 441</td>
<td>The Design and Planning of Cities</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 442</td>
<td>Geography of Chinatowns and Chinese Migration</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 445</td>
<td>Social Planning and Community Development</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 448</td>
<td>Urban Social Geography and Planning</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 472</td>
<td>Disaster Planning</td>
<td>1.5</td>
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<tr>
<td>GEOG 473</td>
<td>Medical Geography</td>
<td>1.5</td>
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<tr>
<td>GEOG 482</td>
<td>Special Topics in the Geography of Southeast Asia</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 483</td>
<td>Political and Economic Geography of China</td>
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</tr>
<tr>
<td>GEOG 485</td>
<td>Landscapes of the Heart</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Resource Management**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 350</td>
<td>Geography of Resource Management</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 353</td>
<td>Coastal and Marine Resources I</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 357</td>
<td>Protected Areas: Principles and Concepts</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 371</td>
<td>Water Resources Management</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 375</td>
<td>Forest Resource Management</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 438</td>
<td>Aquaculture in British Columbia</td>
<td>1.5</td>
</tr>
<tr>
<td>GEOG 450</td>
<td>Decision Making in Resource Management</td>
<td>1.5</td>
</tr>
</tbody>
</table>
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

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

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

### 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, 202, 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 on page 208) from each of the Groups I-IV.
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 196. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 45. 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 and abilities. Students interested in participating in the co-op program should normally apply at the beginning of their second year of studies. Students should complete POLI 351 before commencement of their first work term, and must complete it before commencement of their second work term. Applications must be submitted to the Social Sciences Co-op office by the advertised deadlines in September and January. The first work term will normally start eight months after the application deadline. Work terms will alternate with study terms thereafter.

To continue and graduate with a Co-operative Education designation, students must satisfactorily complete four work terms, attain a grade of at least B in POLI 351, and maintain a minimum GPA of 5.0 in Political Science 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 Political Science co-op program and graduate with the normal Political Science BA degree without the co-op designation.

Work term credit by challenge, page 45, is permitted in the Political Science co-op program.

Further information concerning the Political Science co-op program is available from the Department or the Social Sciences Co-operative Education office.

Political Science Undergraduate Course Index
For details of courses to be offered, the terms in which classes will be given, and the names of course instructors, prospective students should consult web/TT or the Department's website: <web.uvic.ca/polisci/>.

First and Second Year
Poli 101, 102
Poli 202, 210, 211, 240

Third and Fourth Year
Poli 338
Poli 490
I Political Theory
Poli 300A* Poli 300B* Poli 300C* Poli 305 Poli 306 Poli 402 Poli 413
II Comparative Politics
Poli 311* Poli 313A* Poli 313B Poli 314 Poli 317* Poli 318* Poli 319 Poli 317* Poli 377 Poli 378
Poli 376* Poli 414 Poli 431
III Canadian Politics
Poli 320* Poli 350 Poli 356 Poli 360* Poli 361* Poli 364* Poli 365* Poli 366* Poli 369 Poli 420 Poli 461 Poli 465
IV International Politics
Poli 340* Poli 343* Poli 344* Poli 346 Poli 347* Poli 348* Poli 349 Poli 442 Poli 444
V Contemporary Themes and Issues in Political Science
Poli 331 Poli 332 Poli 333 Poli 334 Poli 335 Poli 336 Poli 363 Poli 412 Poli 430
Poli 432 Poli 433 Poli 456
Poli 458
*Core course

Department of Psychology
C.A. Elizabeth Brimacombe, BA (St FX), MA (Alta), PhD (Iowa St), Associate Professor, Chair
Daniel N. Bub, BSc (Lond), MA, PhD (Roch), Professor
Robert D. Gifford, BA (Calif, Davis), MA, PhD (S Fraser), Professor
David E. Hultsch, BA (Lycomeing Coll), MA, PhD (Syr), Lansdowne Professor of Psychology
Bonnie J. Leadbeater, BSc, MEd (Ottawa), PhD (Columbia), Professor
D. Stephen Lindsay, BA (Reed Coll), MA, PhD (Perin), Professor
Michael E.J. Masson, BA (UBC), MA, PhD (Colo), Professor
Catherine A. Mateer, BA, MSc (Wis, Madison), PhD (W Ont), Professor
Timothy Stockwell, MA, MSc (U of Surrey), PhD (London, UK), Professor
Esther H. Strauss, BA (McG), MA (Northeastern), MEd (Bost), PhD (Tory), Professor
Holly A. Tuokko, BA, MA (Lake), PhD (UVic), Professor
Catherine L. Costigan, AB (Cornell), MA, PhD (Michigan), Associate Professor
Anthony T. Dugbartey, BA (U of Ghana-Legon), MA (Laneshed), PhD (UVic), Associate Professor, Limited Term
Marion E. Ehrenberg, BA (McG), MA, PhD (S Fraser), Associate Professor
Bram C. Goldwater, BA (McG), MA (Corn), PhD (Bawling Gr), Associate Professor
Jennifer Hill Karrer, BS (Tennessee), MA (Montana), PhD (Tennessee), Associate Professor, Limited Term
Michael A. Hunter, BA (S Fraser), MA (Wat), PhD (S Fraser), Associate Professor
Helena Kadlec, BSc, MA (Man), PhD (Purdue), Associate Professor
Kimberly A. Kerns, BA (Colo), PhD (U of Health Sciences/Chic Med Sch), Associate Professor
Christopher E. Lalonde, BA, MA, PhD (UBC), Associate Professor
Marsha G. Runtz, BSc, MA, PhD (Man), Associate Professor
Ronald W. Skelton, BSc (Bishop’s), MA (Concordia), PhD (UBC), Associate Professor
James W. Tamaka, BA (Calif, Santa Cruz), PhD (Oregon, Eugene), Associate Professor
Frederick M.E. Grouzet, BA, MA (U. Blaise Pascal), PhD (UQAM), Assistant Professor
Clay B. Holroyd, BA (Calif, Santa Cruz), PhD (U of Illinois, Urbana-Champaign), Assistant Professor
Stuart W.S. MacDonald, BA Hans (Winnipeg), MSc, PhD (Victoria), Assistant Professor
Ulrich Mueller, Diplom-Psychologe (TU Braunschweig), PhD (Tepile), Assistant Professor
Julie S. Rodgers, BA (Carleton), PhD (Calif, Berkeley), Assistant Professor
Valerie A. Gonzales, BSc (USC), MSc, PhD (UVic), Senior Instructor
LISTED APPOINTMENTS

H. Wallace Craver, BA (Randolph-Macon), MA (Richmond), PhD (Alta), Adjunct Professor (2005-2008)
Roger Dixon, BA (N Colo), MA (Chic), MS, PhD (Penn State), Adjunct Professor (2005-2008)
David L. Hamilton, BA (Gettysburg College), MA (Richmond), PhD (Illinois), Adjunct Professor (2007-2010)
D. Richard Laws, BA (Missouri), MA, PhD (S Illinois U, Carbondale), Adjunct Professor (2006-2009)
Anthony A. Marley, BSc (Birmingham), PhD (Pennsylvania), Adjunct Professor (2006-2009)
Alexander Moll, MBChB (Cape Town), Adjunct Professor (2007-2010)
J. Donald Read, BA (UBC), MS, PhD (Kansas State University), Adjunct Professor (2004-2007)
Graham S. Saayman, BA, BA (Natal), MA (McM), PhD (Lond), Adjunct Professor (2004-2007)
Joyce L. Ternes, BA (Wat), MA, PhD (UBC), Adjunct Professor (2007-2010)
A. Martin Wall, AB (Harvard), PhD (U of Penn), Adjunct Professor (2007-2009)
Jonathan Down, MB.BS (Lond), Adjunct Associate Professor (2007-2010)
Anthony T. Dugbarley, BA (U of Ghana-Legon), MA (Lakehead), PhD (UVic), Adjunct Associate Professor (2006-2009)
Dorothy Edgell, BA (Birm), MA, PhD (UVic), Adjunct Associate Professor (2007-2010)
Ingrid Friesen, BA (man), MA, PhD (UVic), Adjunct Associate Professor (2007-2010)
Adèle Hern, BA, MA, PhD (UVic), Adjunct Associate Professor (2007-2010)
John A. Higenbottam, BA, MA (Man), PhD (UVic), Adjunct Associate Professor (2007-2010)
F. Ishu Ishiyama, BA (Concordia), Med (McGill), PhD (UVic), Adjunct Associate Professor (2007-2010)
Michael Joscho, BSc (McMaster), MA, PhD (Windsor), Adjunct Associate Professor (2006-2009)
Robert Lampard, BA, MA, PhD (UVic), Adjunct Associate Professor (2007-2010)
Atholl T. Malcolm, BA, MA, PhD (Man), Adjunct Associate Professor (2005-2008)
Daniel R. McGee, BEd (UVic), MA (UBC), PhD (UVic), Adjunct Associate Professor (2006-2009)
Wayne R. Mitic, BA (W Ont), MA (Windsor), PhD (State Univ. New York), Adjunct Associate Professor (2005-2008)
Kathleen M. Montgomery, BA (Mass), MA, PhD (UVic), Adjunct Associate Professor (2007-2010)
Kenneth A. Moselle, BA (Yale), PhD (Calif, Berkeley), Adjunct Associate Professor (2005-2008)

Joseph A. Parsons, BSc (Utah), MA, PhD (Illinois), Adjunct Associate Professor (2005-2007)
David A. Polson, BA (Windsor), MA, PhD (UVic), Adjunct Associate Professor (2007-2010)
Anthony W. Robertson, BA (UVic), MA, PhD (Carleton), Adjunct Associate Professor (2004-2007)
Heather Scott, BA, MA, PhD (Carleton), Adjunct Associate Professor (2006-2008)
Bernice M. Seafort, BA, PhD (UVic), Adjunct Associate Professor (2007-2010)
Barry G. Young, BA (UBC), MA, PhD (Lond), Adjunct Associate Professor (2004-2007)

PSYCHOLOGY PROGRAMS

The Department of Psychology offers the following undergraduate programs of study: Honours, Major, General, Minor, Combined Biology and Psychology, and Combined Computer Science and Psychology. Students in the Honours and Major Programs may proceed to either a BA or BSc degree in Psychology.

The Major program requires specialization in Psychology in the last two years of the program, and is designed to permit students to pursue a variety of professional and business career options requiring baccalaureate-level training. The Honours program is recommended for students planning to do graduate work in scientific or professional psychology. Graduation in the Honours program requires that students be admitted to the program at the end of the third year of study. The General program is available for students who seek a general background in preparation for entry into other fields. Please note: The Bachelor's degree in Psychology is intended primarily to prepare the student for further advanced study in psychology or related fields (education, social work, etc.), and in no way implies professional competence as a psychologist without such advanced training. Although students may find employment of a psychological nature with an undergraduate degree, it is expected that further preparation, perhaps in the form of in-service training, will normally be required by employers.

Limitation of 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 imposed during registration. Students will be admitted to Psychology courses on the basis of stated prerequisites and priorities. Students who have declared a psychology honours or major program may be granted preferential enrollment in 300- and 400-level psychology courses.

PROGRAM REQUIREMENTS

Notes on Course Requirements

1. Core requirements for Honours and Major 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 and 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, 415B

5. 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.

6. First- and second-year students are encouraged to schedule courses required for their program (i.e., Core courses, Computer Science, English composition, Mathematics, Philosophy and Biology) prior to scheduling electives.

7. The following guidelines for upper-level (third- and fourth-year) courses are suggested:
   - Students planning to enter social services, including mental health, school psychology, social work, parole, child care: PSYC 311B or 313, 315, 330, 331, 360 and 361, 365, 450 and at least 1.5 units from PSYC 335, 336, 338 and 339
   - Students planning careers in business and industry, civil service, government, personnel work: PSYC 311B, 330, 331, 333, 334, 365, 401, plus courses in other social sciences such as ECON 100, POLI 101, 102, SOCI 319, 321
   - Majors who are planning to pursue advanced degrees in Psychology are advised to take PSYC 400A and 401

8. Many careers demand some form of oral presentation. We strongly recommend that all students enroll in a public speaking course, such as TREA 150

9. The Department of Psychology may give permission for individual studies and directed readings to be taken under the course numbers PSYC 390 and 490 primarily to allow students and a faculty supervisor to pursue a topic of mutual interest. These courses are available only to students with credit in PSYC 201 and a GPA of at least 5.5 in the last 15 units attempted. Other courses are not of-
fered as individual studies or directed readings at any time. Students seeking an exemption from these restrictions must make a formal application to the Department undergraduate adviser.

10. 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, N.J. 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.

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). Students interested in the Honours program should talk to potential thesis supervisors well before the deadline for applying to the program.

The Honours Program requires completion of 63 units. In addition to the requirements for the Major program, students must:

- meet minimum grade requirements for a total of 19.5 units of Psychology courses numbered 300 and above;
- 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;
- have a minimum 5.0 GPA for all non-Psychology courses taken at UVic.

Other requirements of the Honours Program

Admission to the Honours program must be sought by May 31 preceding the student’s final full year of undergraduate studies. Prospective Honours students must submit to the Honours Adviser an application form available from the General Office of the Department of Psychology (Corbett A234). In addition to the permission of the Honours Adviser, applicants must obtain written agreement from a regular faculty member in the Department to serve as thesis supervisor.

Admission to the Honours program requires:

- a minimum 6.5 GPA in all Psychology courses;
- a minimum 5.0 GPA in all non-Psychology courses taken at post-secondary institutions.

Honours Graduation Standing

An Honours degree “With Distinction” requires:

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

Major Program

Psychology Requirements

Core Courses

See Note 1 under Program Requirements.

Upper-level Courses

- PSYC 300A and 300B (see Note 2 above) with a grade of at least C in each.
- an additional 12 units of Psychology numbered 300 and above which include at least 1.5 units from each of the groups listed under Psychology Breadth Requirement Options 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 PHILO 101, 102, 201, 203, 220, 223, 304A, 306, 310, 342A, 420, 453, 460

Note: An additional 1.5 units of Philosophy is required if PHILO 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 adjunct to the Psychology program, but do not fulfill the Social Sciences breadth requirement.

Electives

As per Faculty of Social Sciences regulations (see page 194).

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, PHIL 201, 203, 304A
  - 9.0 additional units from the Faculty of Humanities or the Faculty of Fine Arts

Requirements Specific to the Bachelor of Science (BSc) Degree

- Biology (3 units):
  - One of BIOL 190A, 215
  - BIOL 190B
- Mathematics
  - 1.5 units chosen from MATH 100, 102, 151
  - 9.0 additional units from the Faculty of Science and PE courses (PE 141, 241A, 241B only). At least 6.0 units of these 9.0 units must come from a single department, other than PE.

General Program

Students interested in the General Program should consult the Academic Advising Centre (A205, University Centre) and then declare their program intentions before attaining fourth-year standing (42.0 units).

Psychology Requirements

- PSYC 100A, 100B, 210 and 215A
- 9.0 units of Psychology courses numbered 300 and above with at least 1.5 of these units taken from each of the groups listed under the Psychology Breadth Requirement Options (see Note 4 under Notes on Course Requirements).

Requirements Outside Psychology

- A General degree in the Faculty of Social Sciences requires completion of the General Program requirements in two disciplines (see page 195).

Minor Program Requirements

A student who completes the requirements for an Honours or Major program in another department, and who also satisfies the requirements for the General program in Psychology, will receive a Minor in Psychology as long as the Psychology courses taken for the Minor are not part of the requirements for the other Honours or Major program, and only if the student formally declares the Minor program through the Academic Advising Centre. Only one Minor may be declared on any degree program.

Recommended Electives

First and Second Years

Students are encouraged to schedule courses required for their program (i.e., Core courses, Computer Science, English composition, Mathematics, Philosophy and Biology) prior to scheduling electives.

Third and Fourth Years

The Department of Psychology recognizes the diversity of career orientations that might lead a student to concentrate in Psychology. Accordingly the following guidelines for upper-level courses are suggested:

- Students planning to enter social services, including mental health, school psychology, social work, parole, child care: PSYC 311B or 313, 315, 330, 331, 360 and 361, 365, 450 and at least 1.5 units from PSYC 335, 336, 338 and 339
- Students planning careers in business and industry, civil service, government, personnel work: PSYC 311B, 330, 331, 333, 334, 365, 401, plus courses in other social sciences such as ECON 100, POLI 101, 102, SOCI 319, 321
- Majors who are planning to pursue advanced degrees in Psychology are advised to take PSYC 400A, 401

Many careers demand some form of oral presentation. We strongly recommend that all students enroll 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 Pro-
Combined Major in Biology and Psychology

**Core Course Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>BIOL 190A, 190B</td>
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</tr>
<tr>
<td>PSYC 100A, 100B</td>
<td>3.0</td>
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<tr>
<td>BIOL 225</td>
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<tr>
<td>PSYC 201</td>
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<tr>
<td>PSYC 210</td>
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<tr>
<td>PSYC 215A</td>
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<td><strong>Total core</strong></td>
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</tr>
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</table>

**Upper-level Biology and Psychology Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 365</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 409A</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 309 or 345 or 409B</td>
<td>1.5</td>
</tr>
<tr>
<td>Two of BIOL 404, 432 or 448</td>
<td>3.0</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 315 or 415B</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Total Upper-level courses</strong></td>
<td><strong>12.0</strong></td>
</tr>
</tbody>
</table>

**Other Requirements**

- 3 units of ENGL courses, including 1.5 units of English composition chosen from ENGL 115, 125, 135, 145, 215
- 3 units of Statistics courses chosen from one of the following pairs: PSYC 300A and 300B; STAT 255 and 256; STAT 260 and 261

**Other Courses of Potential Interest (Electives)**

- BIOL 215
- BIOL 300
- BIOL 307
- BIOL 360 (required for BIOL 309)
- BIOL 361
- BIOL 312 and 322
- BIOL 335
- BIOH 400
- BIOC 300A (required for BIOL 360, 361, medical school)
- BIOC 300B (required for BIOL 361, medical school)
- MATH 100 or 102 or 151
- MATH 222 and either 101 or 102
- CHEM 100 or 102 or 151
- CHEM 231 and either 232 or 235
- BIOC 200
- PHYS 102 or 112
- CSC 100 or 105
- **Total Other Requirements** | **19.5**

**Electives**

- 13.5 units

**Combined Honours in Biology and Psychology**

**Core Course Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A, 190B</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 Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 365</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 409A</td>
<td>1.5</td>
</tr>
<tr>
<td>BIOL 309 or 345 or 409B</td>
<td>1.5</td>
</tr>
<tr>
<td>Two of BIOL 404, 432 or 448</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 323</td>
<td>1.5</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.

**Year 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190A or 190B</td>
<td>3.0</td>
</tr>
<tr>
<td>CSC 110, 115</td>
<td>3.0</td>
</tr>
<tr>
<td>ENGL 115 or 135</td>
<td>1.5</td>
</tr>
<tr>
<td>MATH 122 and either 100 or 151 (See Note 1 below)</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYC 100A, 100B (see Note 2 below)</td>
<td>3.0</td>
</tr>
<tr>
<td>Electives</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Year 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</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 Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 320</td>
<td>1.5</td>
</tr>
<tr>
<td>1 of CSC 322, 326, 360, 370</td>
<td>1.5</td>
</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>
<td>3.0</td>
</tr>
<tr>
<td>SENG 310</td>
<td>1.5</td>
</tr>
<tr>
<td>Electives</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Year 4**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
</tr>
</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>1.5</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>

**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, 300A, 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:**
   - 1.5 units from each of the following groups: Biological/Neuropsychology: PSYC 315, 323, 324, 345A, 415A, 415B
4. At least one 400 level PSYC course other than...
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.

**Psychology Co-operative Education Program**

The Co-operative Education Program in the Faculty of Social Sciences is described on page 196. Additional general regulations pertaining to co-operative education programs at the University of Victoria are found on page 45.

The Psychology Co-operative Education option provides students with an opportunity to combine their academic studies with four 4-month periods of paid employment in psychology-related positions in the public, private or non-profit sectors.

**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 6.0 in Psychology courses and 5.0 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, page 45, is permitted in the Psychology co-op program.

Further information about the Psychology co-op program is available from the Department or the Social Sciences Co-operative Education office.

**Co-op Admission: 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.

**Department of Sociology**

Douglas E. Baer, BES, MA, PhD (Waterloo), Professor.
Cecilia M. Benoit, BEd, BA, MA (Memorial), PhD (Toronto), Professor.
William K. Carroll, BA (Brock), MA, PhD (York), Professor.
Neena L. Chappell, BA (Brock), MA, PhD (McMaster), FRSC, Professor.
Aaron H. Devor, BA (York), MA (Simon Fraser), PhD (Washington), Professor.
Benedikt Fischer, BA, MA (Konstanz), PhD (Toronto), Associate Professor.
C. David Gartrell, BA (British Columbia), MA, PhD (Harvard), Professor.
Richard L. Ogundunson, BA (Victoria), MA, PhD (Michigan), Professor.
Zheng Wu, BA (Beijing Second Foreign Lang Inst), MA (Victoria), PhD (Western Ontario), Professor.
Chair
P. Morgan Baker, BA (Victoria), MA, PhD (Minnesota), Associate Professor.
Martha McMahon, BA (Univ College, Dublin), MA, PhD (McMaster), Associate Professor.
Margaret J. Penning, BA (Winnipeg), MA (Manitoba), PhD (Alberta), Associate Professor.
Steve Garlick, BA, MA (Auckland), PhD (Canterbury Graduate Center), Assistant Professor.
Helga Haljerinsdottir, BA (Calgary), MA, PhD (Western Ontario), Assistant Professor.
Sean P. Hien, BA, MA (Guelph), PhD (McMaster), Assistant Professor.
Karen M. Kobayashi, BSc, MSc (Waterloo), PhD (Simon Fraser), Assistant Professor.
André Smith, BA, MSw, MA (British Columbia), PhD (McGill), Assistant Professor.
Peyman Vahabzadeh, BA, PhD (Simon Fraser) Assistant Professor.
Emeritus Faculty
Robert B. Hagedorn, PhD (Texas-Austin) Professor.
R. Alan Hedley, BA, MA (British Columbia), PhD (Oregon), Professor.
T. Rennie Warburton, BA (Leeds), PhD (London), Professor.

Visiting, Adjunct and Cross-listed Appointments
Singh Bolaria, BA (Punjabi), MA (Kansas State), PhD (Washington State), Adjunct Professor.
Thomas K. Burch, BA (Loyola), MA (Fordham), MA (Princeton), PhD (Princeton), Adjunct Professor.
Barry Edmonston, BA, MA (Oregon), PhD (Michigan), Adjunct Professor.
James C. Hackler, BA (U.C., Berkeley), MA (San José), PhD (Washington), Adjunct Professor.
Sharon M. Lee, BA (Rochester), MA, PhD (Princeton), Adjunct Professor.
Dorothy E. Smith, BSc (London), PhD (U.C., Berkeley), Adjunct Professor.
Ken Hatt, BA (Redlands), MA (LA), PhD (Alberta), Adjunct Associate Professor.

**Sociology Programs**

The Department offers Honours, Major, General and Minor programs leading to the degree of Bachelor of Arts. Students interested in any of these programs are urged to consult the Departmental Undergraduate Adviser as early as possible. In the Major and Honours programs, students must choose a concentration in either Social Justice or in Social Research. Students may take courses from both concentrations, and those interested in graduate school are encouraged to do so.

Students with questions about the Department's programs or courses may arrange to meet with a Sociology Undergraduate Adviser through the Sociology General Office in Cornell A333. Arrangements to meet with the Sociology Honours Adviser may also be made through the Sociology General Office.

Students seeking general academic advice may arrange to meet with an Academic Adviser at the Advising Centre for Humanities, Social Sciences and Sciences, A205, University Centre. Detailed information on programs, faculty and courses can be found on the Departmental web page: <web.uvic.ca/soci>.

**Program Requirements**

**Requirements Common to all Sociology Programs**

Students should read carefully all the information for the Faculty of Social Sciences, especially the Faculty Program Requirements, page 195. Sociology 100 is required for all programs and should normally be taken in the first year. All students must also complete 3 units of university-level English or Writing courses, with a GPA of 4.5 or better, before they are allowed to declare a program in Sociology.

**Prerequisites for Third- and Fourth-year Courses**

Completion of SOCI 100, or at least third-year standing with a GPA in the immediately preceding session of 6.5 or better.

NOTE: while SOCI 100 is not a formal prerequisite for third or fourth-year students with a GPA of 6.5 or higher, all upper-level courses require at minimum a basic knowledge of sociological concepts; SOCI 100 is thus strongly recommended for these students.

**Honours Program Requirements**

Normally, the Honours program has the following requirements:

1. students apply for entry into the Honours Program at the end of their second year;
2. entry requires a GPA of at least 6.75 in Sociology courses completed and a GPA of at least 6.0 in all courses completed;
3. students must maintain a cumulative GPA of at least 6.0 to remain in the Honours Program.

Applications are made directly to the Departmental Honours Adviser.

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 195.

Social Justice Concentration
- SOCI 100
- SOCI 210
- SOCI 211
- SOCI 309
- SOCI 373
- SOCI 374 or SOCI 376
- SOCI 402 or SOCI 481
- SOCI 499
- Plus 1.5 units in Sociology at the 100 or 200 level, and 10.5 additional units in Sociology numbered 300 and above

Social Research Concentration
- SOCI 100
- SOCI 210
- SOCI 211
- SOCI 371A
- SOCI 371B
- SOCI 374
- SOCI 376
- SOCI 412
- SOCI 472
- SOCI 499
- Plus 1.5 units in Sociology at the 100 or 200 level, and 7.5 additional units in Sociology numbered 300 and above

Graduation Standing
An Honours degree “With Distinction” requires:
1. a grade of at least A- in SOCI 499
2. a minimum GPA of 7.0 for all Sociology courses numbered 300 and above
3. a minimum graduating average of 6.5

Honours students who do not meet the above requirements, but complete those for a Major in Sociology, may opt to receive a Major degree. A student who takes this option and who has a graduating average of 6.5 would receive a Major in Sociology “With Distinction.”

Major Program Requirements
Social Justice Concentration
- SOCI 100
- SOCI 210
- SOCI 211
- SOCI 309
- SOCI 373
- SOCI 374 or SOCI 376
- SOCI 402 or SOCI 481
- Plus 1.5 units in Sociology at the 100 or 200 level, and 9.0 additional units in Sociology numbered 300 and above

Social Research Concentration
- SOCI 100
- SOCI 210
- SOCI 211
- SOCI 371A
- SOCI 371B
- SOCI 374
- SOCI 376
- SOCI 412
- Plus 1.5 units in Sociology at the 100 or 200 level, and 7.5 additional units in Sociology numbered 300 and above

General and Minor Program Requirements
- SOCI 100
- SOCI 210
- SOCI 211
- Plus 1.5 units in Sociology at the 100 or 200 level, and 9.0 additional units in Sociology numbered 300 and above
Interdisciplinary Programs

The University of Victoria offers a number of undergraduate and diploma programs in the arts, culture, and society 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 interdisciplinary or interfaculty degree programs. For details, consult specific faculty or department entries.

**Arts of Canada Program**

The Faculty of Humanities and the Faculty of Fine Arts jointly offer an interdisciplinary program in the Arts of Canada, intended to give students the opportunity to gain a broad knowledge of Canada's artistic diversity. This is a General Program leading to the BA degree (see General Program, page 136). Students may obtain a Minor by completing the requirements for the General Program together with a Major or Honours program or other degree program in another Department or Faculty (see Minor Program, page 136).

**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:

<table>
<thead>
<tr>
<th>English</th>
<th>ENGL 448 (1.5) Special Studies in Canadian Literature</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENGL 450 (1.5) Modern Canadian Fiction: I</td>
</tr>
<tr>
<td></td>
<td>ENGL 451 (1.5) Modern Canadian Fiction: II</td>
</tr>
<tr>
<td></td>
<td>ENGL 452 (1.5) Modern Canadian Poetry: I</td>
</tr>
<tr>
<td></td>
<td>ENGL 453 (1.5) Modern Canadian Poetry: II</td>
</tr>
<tr>
<td></td>
<td>ENGL 454 (1.5) Early Canadian Poetry</td>
</tr>
<tr>
<td></td>
<td>ENGL 455 (1.5) Contemporary Canadian Fiction and Poetry</td>
</tr>
<tr>
<td></td>
<td>ENGL 457 (3.0) Traditions in Canadian Literature</td>
</tr>
<tr>
<td></td>
<td>ENGL 458 (1.5) Comparative Studies in Contemporary French and English Canadian Literature</td>
</tr>
<tr>
<td></td>
<td>ENGL 459 (1.5) Early Canadian Prose Literature</td>
</tr>
</tbody>
</table>

| 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)* 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. |
|                | MUS 324 (1.5 or 3.0) Music in Canada |
| Theatre | THEA 414 (1.5) Studies in Canadian Theatre and Drama |
| Music | WRIT 330 (1.5) Canadian Media and Culture |

Although there is no formal language requirement for the Program, students are strongly advised to develop proficiency in French. Students are strongly urged to take advantage of electives which provide a strong historical, sociological, economic, linguistic, political background to the study of Canadian arts. These should be chosen in consultation with the Director of the Program.

**Film Studies Program**

The Faculties of Humanities and Fine Arts jointly offer a General Program in Film Studies. This program leads to the BA degree (see General Program, page 136). Students may obtain a Minor by completing the requirements for the General Program together with a Major or Honours program or other degree program in another department or faculty (see Minor Program, page 136). Priority for admission to courses in Film Studies will go to students registered in the Film Studies Program or majoring in one of the departments offering courses in the Program.

**Film Studies Minor Requirements**

Students wishing to declare a Minor in Film Studies should contact the Advising Centre for their faculty after completing HA 295 (Introduction to Film Studies) with a grade of B- or better.

Students in this program are required to take 9 units of courses (except HA 295) selected from the following list:

| English | ENGL 413 (1.5) Studies in Film and Literature |
|         | ENGL 414A (1.5) American Film 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 |
Indigenous Studies Program

The Faculty of Humanities and the Faculty of Social Sciences jointly offer an interdisciplinary program in Indigenous Studies intended to provide both indigenous and non-indigenous students with a core program incorporating indigenous world views and ways of knowing. This is a General Program leading to the B.A. degree (see General Program, on page 136 and on page 195). Students may obtain a Minor by completing the requirements for the General Program together with a Major or Honours program, or other degree program, in another department or faculty (see Minor, on page 136 and on page 196; Interfaculty Programs, on page 135 and on page 194).

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 98, 133 and 192). The principal aim is to provide students with a thorough understanding of Europe’s multifaceted history, cultures and fast-changing political realities. Important changes that the process of European integration has provoked regarding Europe’s internal political, social, cultural and economic structures and their relationship to the rest of the world will be examined.

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-, 300- and 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 Interdisciplinary Studies Office, Clearihue C155.

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
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. 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 enrol in these courses by permission of the Chair of the Program Steering Committee. Students may choose elective courses from appropriate existing credit courses offered at the University of Victoria, subject to the Faculty Coordinator's approval. Diploma students may transfer a maximum of 4.5 units of appropriate credit courses completed at other institutions. Credit obtained within the Diploma Program may be transferable to a regular undergraduate degree program. However, such transferability of credit is always subject to the specific requirements of the degree program.

The Canadian Studies Diploma Program will normally require a minimum of three semesters of residency at the University of Victoria. The Diploma Program must be completed within the first four years of initial registration.

All inquiries concerning details and regulations of the Program should be addressed to Peggy Faulds, Program Coordinator, Division of Continuing Studies; e-mail: pfaulds@uvvs.uvic.ca.

Interdisciplinary Diploma Program

Chair, Program Steering Committee: Dr. Alison Preece

The Interdisciplinary Diploma Program in Intercultural Education and Training (IET) has been designed for part-time or full-time study for students and professionals working or planning to work in a multicultural or cross-cultural environment. Participants can expect to acquire:

- skills which will assist in reducing conflict and inequality based on racism and ethnocentrism.
- a clearer understanding of the problems connected with intercultural relations and cross-cultural communication, and the various approaches to their explication;
- a clearer understanding of issues concerning cultural conflicts, racism, power, and equity;
- skills which will facilitate intercultural relations and cross-cultural communication in the workplace, in the local community, and in international settings;
- skills which will assist in reducing conflict and inequality based on racism and ethnocentrism.

The curriculum is designed to develop both knowledge and skills, and consists of interdisciplinary credit courses totalling 18 units, apportioned as follows:

| Core courses | 7.5
| Electives | 7.5
| EITHER | 3.0
| OR | 3.0

The Interdisciplinary Diploma 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 is administered jointly by the Interdisciplinary Diploma Program Steering Committee and by the Division of Continuing Studies. All inquiries concerning details and regulations of the program should be addressed to Joy Davis, Division of Continuing Studies, (250) 721-8462; or <iet@uvvs.uvic.ca>. Information is also available at: <www.uvvs.uvic.ca/iet>.

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 obtained towards 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
Joy Davis, BA (UVic), MMasSt (Toronto), Acting Dean (from February 23, 2007)

Administration
Wayne Brunsdon, CA, BCom (Sask), Manager, Administrative Services
Nasha Jiang, BSc (Xianen), Network Administrator and Programmer
Robert Newans, Network Administrator
Cheryl Rhode, Special Project officer
Timothy Smith, Manager, Information Services

Arts and Science Programs
Didier Bergeret, BA, MA (Besançon), BEd (Alberta), Program Coordinator
Peggy Faulds, BA (Lethbridge), MA (UVic), Program Coordinator
Janet King, BA (UVic), Program Coordinator
Heather McKae, BRE (UBC), MSc (Oregon), Program Director

Business, Management and Technology Programs
Elisabeth Bach, MEd (Germany), Program Coordinator
Richard Mimick, MBA (Nebraska), BSBA (Creighton), CPA (US), Program Director
Raveen Sanghera, BCom, MBA (UVic), Program Coordinator
Rhordon Wikkramatilleke, BA, MPA, PhD (UVic), Instructor and Curriculum Developer
Patricia Webster, Program Coordinator

Continuing Studies in Education
Diane Anderson, BEd (Alberta), Program Coordinator
Roger Howden, BA (San Jose), MA (SFU), Program Director
Beverly Smith, BSc, MSc (UVic), PhD (Oxford), Program Coordinator

Continuing Studies Library Service
Carol Gordon, BA (Brock), MA (McMaster), MLiBSc (UBC), PhD (McMaster), Head Librarian

Cultural Management Programs
Lisa Mori-Putland, MPA (UVic), BA (Alberta), Program Coordinator
Brenda Weatherston, BA, MA (UVic), Acting Program Director

Distance Education Services
Manesh Bhathella, Online Help Desk Consultant
Katy Chan, BFA (UVic), Online Course Developer and Administrator/Distance Education Consultant
Susan Doner, BA (McGill), MA (UVic), Online Course Developer and Administrator/Distance Education Consultant

English Language Centre
Marc Bavin, BCom (UVic), Program Coordinator
Lily Chow, BEd (UVic), Program Coordinator
Christina Gambrell, Program Coordinator
Atarah Humphreys, BCom (Queens), Program Coordinator
Sandra Partridge, BA (UVic), Program Coordinator
Jacqueline Prowse, BA (UVic), MEd (Temple), Co-Director (on leave: April to Nov. 2007)
Charlotte Sheldrake, BA, MEd (UVic), Program Coordinator/Curriculum Development
Deborah Shepherd, BA (Malaspina), Program Coordinator
Arliv Taylor, BA (Bristol), MA (Surrey), Co-Director

Health Sciences and Public Relations Programs
Faith Collins, BSc (Mt St Vincent), BA, MEd, EdD (Seattle), Program Director
Corinne Marley, BSc (Guelph), Program Coordinator (Term Position)
Jill Shaw, BSc (Calgary), Program Coordinator (on leave)
May-Britt Marttila, MA Applied Linguistics (Leicester, UK), BA (UVic), Program Coordinator (term)
Laura Vizina, BSc (UBC), MEd (Calgary), Program Coordinator (on leave)

International Initiatives
Sherry Contreras, BA (SFU), Content Writer, Online Course Developer
Byron Crossley, BA (UVic), ESL Online Course Developer
Elaine Huys, BA (UVic), Program Coordinator, ESL Online Development Group

Promotion and Publications
Joan Kew, Program Coordinator
Matt Salik, Website Developer

Credit Courses and Programs
To ensure access to the academic resources of the University of Victoria by a broad and diverse community of adult learners, the Division of Continuing Studies provides a broad range of on- and off-campus professional and personal development programs that complement and supplement degree programs offered at the University.

For further information on any program offered by the Division of Continuing Studies, please call or write:
Division of Continuing Studies
University of Victoria
PO Box 3030 STN CSC
Victoria BC V8W 3N6
Phone: (250) 472-4747
Fax: (250) 721-8774
Web: www.continuingstudies.uvic.ca

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-
other 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 centres:

- 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 (**) in the Faculty of Arts.

**Professional Development Programs**

For information phone (250) 472-4747

These programs are planned to meet the specific continuing education needs of persons working in the professions. Courses and workshops are offered throughout the province in co-operation with regional colleges and professional organizations.

Programs for professionals leading to certificates and diplomas are offered in the following areas:

- Aboriginal Language Revitalization (Certificate)
- Adult and Continuing Education (Certificate Program)
- Business Administration (Certificate and Diploma Programs)
- Business Studies for International Students (Certificate)
- Canadian Studies (Certificate and Diploma Programs)
- Collections Management (Professional Specialization Certificate)
- Computer Based Information Systems (Certificate Program)
- Cultural 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)
- Justice and Public Safety Leadership (Certificate Program)
- 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)

**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@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

Additional courses and workshops are developed on a variety of topics, such as dispute resolution, as needs arise and academic resources permit. Educational packages consisting of print materials, audiocassettes, videotapes and CD-ROMs are developed for self-directed learning. Also, a number of programs under SAGE (Stimulate, Advance and Guide Education) focus on peer learning and peer teaching and use study groups as a format for delivery.

**English Language Programs**

The English Language Centre provides English language programs for international and Canadian students from beginning levels to University Admission Preparation. Three-month intensive programs are offered beginning in September, January and April. Short-term immersion programs are scheduled throughout the year. Specialized programs, such as English for Teachers, 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 are available at <www.englishworld.ca/> include Beginner’s Writing, Intermediate Writing and Advanced Writing. Please visit our website <www.uvcs.uvic.ca/elc> for more information about the programs offered at the English Language Centre. You may also contact us by email elc@uvcs.uvic.ca, phone (250) 721-8469, or fax (250) 721-8774.

**University Admission Preparation Course**

For information phone (250) 721-8469

The University Admission Preparation Course is a twelve-week course for students whose first language is not English, which prepares students to attend university in an English-speaking country.

Successful completion of the course enables students to enrol at UVic without writing a TOEFL exam.

**Conference Management**

For information phone (250) 721-8473

Conference Management offers a conference registration service to assist University and other groups and organizations with delegate registrations for meetings, seminars and conferences, both on and off campus.
Island Medical Program

Dr. Oscar G. Casiro, MD, FRCPC

Head, Division of Medical Sciences (UVic)

Associate Dean, Island Medical Program (UBC)

Island Medical Program <www.imp.uvic.ca>

The Island Medical Program is an integral part of the University of British Columbia’s medical school expansion aimed at increasing the number of medical students, in collaboration with the University of Victoria (UVic) and the University of Northern British Columbia (UNBC), through an innovative model of distributed education. All students will be fully registered at UBC and will receive UBC degrees. Twenty-four students are admitted every year to each of the three new 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 spend the first four months of their undergraduate medical program in Vancouver and the remainder of the first two years at UVic. During the clinical third and fourth years of the program, students will have the opportunity to spend a significant amount of time in hospital and community-based clinical settings 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.med.ubc.ca/admissionsmd/>.

Applications are submitted to the Faculty of Medicine at UBC.

Academic advising is available through the Office of the Division of Medical Sciences at UVic <http://imp.uvic.ca/admissions>.

Registration

Island Medical Program students will be fully registered at UBC and will be subject to the academic regulations of UBC’s Faculty of Medicine, including regulations concerning course content, grading, progression and graduation. Official transcripts will be issued by UBC.

Students studying in the Island Medical Program will have full access to student support services at the University of British Columbia, including awards and financial aid. Further information is available at <www.med.ubc.ca/md>.

Affiliate Status

Students in the Island Medical Program will be granted “Affiliate” status at UVic. Affiliate status allows IMP students to access UVic libraries and the following UVic-based campus services: Athletics and Recreation, Health, Counselling, Child Care, Chaplains, the Resource Centre for Students with a Disability (by arrangement with the UBC centre) and Housing.

UVic non-academic policies and procedures will govern IMP student conduct on the UVic campus.
Research Centres

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 facilitation assistance in applications for research grants and contracts includes identifying potential funding agencies, providing information on application procedures and advising on the preparation of proposals. Assistance with negotiating research contracts and agreements is provided in the Office. 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 University’s 15 interdisciplinary research centres.

Website: <www.research.uvic.ca>

British Columbia Institute for Co-operative Studies
Ian MacPherson, BA (Assumption U of Windsor), MA, PhD (W Ont), Professor Emeritus

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.

Website: <web.uvic.ca/bcics>

Centre for Addictions Research of B.C.
Tim Stockwell, PhD (University of London), Director

The mission of the Centre for Addictions Research of B.C. (CARBC) is to create an internationally recognized centre, distributed across B.C., that is dedicated to research and knowledge exchange on substance abuse, harm reduction, and addiction.

Established at the University of Victoria in 2003 through an endowment from the B.C. Addiction Foundation, CARBC has developed relationships with a large network of addictions-related agencies in B.C. and has formal partnerships with the other four major universities in B.C.: the University of B.C., Simon Fraser University, Thomson Rivers University and the University of Northern B.C. CARBC sits at arms length from government while working on shared concerns with multiple government departments, including health, police, education, and liquor licensing.

Guided by a comprehensive five year strategic plan, CARBC tracks performance results in four key areas:

- Build research infrastructure and capacity across B.C. for the conduct of research that will increase understanding and support more effective responses to substance use
- Conduct high-quality research that increases understanding of substance use and addiction, and informs effective responses
- Disseminate research findings that increase understanding of substance use and addiction, to increase awareness of related harms, and to identify effective responses
- Contribute to the implementation of evidence-based policy and practice

CARBC maintains a research and administration office at the University of Victoria, and a communication and resource unit in Vancouver, B.C.

Website: <www.carbc.uvic.ca>
E-mail: carbc@uvic.ca

Centre for Advanced Materials and Related Technology (CAMTEC)
Director: Robin Hicks (Guelph)

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.

Website: <www.camtec. engr.uvic.ca>
E-mail: CAMTEC@engr.uvic.ca
Telephone: (250) 721-8821
Centre for Asia-Pacific Initiatives (CAPI)
Richard King, MA (Cantab), PhD (Briet Cal),
Director
Andrew Harding, MA (Oxon), LLM (NUS), PhD (Monash), Chair in Asia-Pacific Legal Relations
Guoguang Wu, MA, PhD (Princeton), China
Program Chair
Helen Lansdowne, MA (Uvic), Assistant Director
Heidi Tyedmers, MA (Uvic), Program Officer
The purpose of the Centre is to conduct and support the University of Victoria's Asia Pacific research and related initiatives, and to encourage the development of the University's Asia-Pacific programs and resources. The Centre's current research interests include: Southeast Asian law and development, Japan and Asia-Pacific relations, and China and Asia-Pacific relations. Associates and Research Fellows who share research interests are attached to the Centre. Linkages are established with other units on campus for purposes of collaborative research, as well as with individuals and institutions across Canada and in the Asia-Pacific. In addition to the research activities undertaken by CAPI, a wider role is taken on campus in disseminating information through conferences, workshops, symposiums and publications. The Centre manages an internship program that offers 8-month internships in the Asia-Pacific region for recent graduates. The Centre is not a teaching unit, and the faculty associated with the Centre teach in their respective departments or faculties.
For further information on CAPI programs and events, visit the centre's website at <www.capi.uvic.ca>.

Centre for Biomedical Research
Ben F. Koop, BS (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 (IESVic), the Centre for Studies in Religions 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.

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.

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.
Researchers at the Centre are involved in the following programs of research: Primary Health Care and Public Health Renewal, Health Promotion Effectiveness, Assets for Health and Development, Literacy and Health, Women's Health, Youth Health Promotion and School Health.

Centre for Forest Biology
Barbara J. Hawkins, BSc(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 and Range (MOFR) Research Branch. Also, associations with the forest industry and forest industry laboratories are maintained in order to ensure maximum technology transfer. The knowledge generated is disseminated through scientific publications, conferences, lectures and through the diverse academic courses offered by the Centre.
Research topics which can be pursued under the auspices of this Centre include: conifer embryogenesis; plant stress physiology, water relations and gas exchange; plant and fungal molecular biology; plant-pest interactions; microbial ecology; and carbon sequestration by forests and soils.
Co-operating University departments are: Biology and Biochemistry and Microbiology; Gradu-
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:

- four programs
  - Globalization and Governance
  - Technology and International Development
  - International Women’s Rights Project (IWRP)
  - Pacific Climate Impacts Consortium (PCIC)
- two institutes
  - International Institute for Child Rights and Development (IICRD)
  - Canadian Institute for Climate Studies (CICS)

The Centre is strongly committed to public awareness and outreach to both the academic and public communities, allowing CFGS members to share their collective knowledge and promote debate on important issues and events. The breadth of the Centre’s activities provides employment and volunteer opportunities for several students and interns each year.

CFGS was established in 1998 through the generosity of local community donors. The Centre continues by enhancing its already extensive network of international research and funding partners, with whom it collaborates on a project-to-project basis.

For more information, please visit our website at <www.globalcentres.org>.

Centre for Youth and Society

Bonnie J. Leadbeater, BSc, MAEd (Ottawa), PhD (Columbia), Director

The Centre for Youth and Society was formally established at the University of Victoria in the spring of 2002, after several years of collaborative activity involving professors from the Faculties of Social Sciences, Education and Human and Social Development in partnership with representatives of youth-serving agencies from the Greater Victoria region.

The mission of the Centre for Youth and Society is to promote the health and well-being of youth from diverse social, economic and ethnic backgrounds in evolving societal circumstances. The Centre strives to identify the concerns of youth themselves and of society as a whole so that programs, research and training priorities are responsive to these concerns. The establishment of the Centre enables the university community to foster effective relationships with youth and members of the wider community who work with them in order to cooperatively generate and disseminate knowledge concerning the strengths, challenges, opportunities and problems of youth.

The core mandate of the Centre is to promote research and actions that contribute to the well-being of youth from diverse social, economic, and ethnic backgrounds; across developmental transitions; and in evolving societal circumstances. Additionally the goal of our research is to

- provide for the generation and dissemination of knowledge concerning strengths, challenges, opportunities, and problems of youth
- ensure that the concerns of youth themselves and of society as a whole are identified so that programs, research and training priorities are responsive to these concerns
- advance inter-disciplinary community-based research on adolescent health and development; to train specialists in inter-disciplinary community-based research, education and health-care of adolescents
- advocate for youth with policy-makers and research funding agencies. In all of our research emphasis on ethical approach and scientific rigor is applied

Several faculty members of the Centre are working together with community partners on interdisciplinary research in the areas of youth health, recreation, maturity, social competence, community-youth involvement, victimization, bullying, substance abuse, depression, injury prevention and making successful transitions to adulthood.

Website: <www.youth.society.uvic.ca>
E-mail: yrs@uvic.ca

Centre on Aging

Elaine Gallagher, BSc (Windsor), MSc (Duke), PhD (S Fraser), (Professor, Nursing), Director

Research Areas: health of older persons, evaluation research, social support and stress, safety and security, gerontology, health promotion, community development, elder abuse, falls among the elderly

Neena L. Chappell, BA (Car), MA, PhD (McM), FRSC, CRC in Social Gerontology, (Professor, Sociology), Professor

Research Areas: health care, social policy, informal and formal support, aging and ethnicity, utilization of services

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), (Associate Professor, Social Sciences), Associate Professor

Research Areas: chronic conditions, quality of life and self-help or self-management, individual and population health, participatory research, aboriginal health, coping skills, health system performance and integrated service delivery, project and program evaluation

Margaret Penning, BA (Win), MA (Man), PhD (Alla), (Associate Professor, Sociology), Associate Professor

Research Areas: chronic illness and disability among older adults, social support and well-being, informal and formal care

Kelli I. Stajduhar, BSN (Uvic), MSN, PhD (UBC), (Assistant Professor, Nursing), Assistant Professor

Research Areas: palliative care, family caregiving, HIV/AIDS, vulnerable and marginalized populations, home care, cancer, mixed method research, qualitative and quantitative research

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

Tom Ackerley, Survey Research Centre Manager
Lindsay Cassie, Secretary
Institute for Dispute Resolution

Maureen Maloney, Q.C., LLB (Warwick), LLM (Toronto), Director
Christina Hantel-Frazer, CandPhil (Bonn), MTS (Harvard), PhD (Bonn), Adjunct
Catherine Morris, BA, LLB (Alberta), LLM (British Columbia) Adjunct
Tara Ney, BA, MA (UVic), PhD (Southampton), Adjunct

Richard Price, BComm, BDiv, MA (Alberta), Adjunct

The Institute for Dispute Resolution is an interdisciplinary centre at the University of Victoria focused on public policy dispute resolution research, education, professional training, and community development. The Institute also acts as a resource service, not only for U Vic 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.

Website: <dispute.resolution.uvic.ca>

Institute for Integrated Energy Systems (IESVic)

Ned Djilali, BSc (Hatfield Polytechnic), MS (Imperial Coll, London), PhD (Brit Col), PEng, Director
Lawrence Pitt, BSc, MSc (Alberta), PhD (UVic), 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, cryo-fuels, 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.

We promote energy systems education at all levels, formally and informally, to create a new world of the critical need for new and sustainable energy systems.

IESVic is a multidisciplinary research institute with participation from Engineering, Chemistry, Biology and Economics. A fuel cell systems laboratory with hydrogen production and fuel cell testing equipment is available for research use. This lab is designed primarily for prototyping and testing new fuel cell designs. IESVic makes extensive use of students at both the undergraduate and graduate levels to assist with research, and IESVic members frequently participate in supervising students whose interests are non-technical but still related to issues surrounding the development of sustainable energy systems.

Website: <www.iesvic.uvic.ca>
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 225. A list of the course abbreviations and their corresponding subject areas is presented on page 226.

Please note that not all courses listed are necessarily offered every year; students should consult the department or faculty concerned for an official listing of the courses that will be offered in a given session. Registration and current timetable information is also available on the web at <registrar.uvic.ca>. 
## Courses by Faculty

### Faculty of Business
- **COM** Commerce
- **ENT** Entrepreneurship
- **HSM** Hospitality Service Management
- **IB** International Business

### Faculty of Education
- **AE** Art Education
- **ED-D** Educational Psychology and Leadership Studies
- **ED-P** Teacher Education - Professional Studies
- **EDCI** Curriculum and Instruction Studies
- **IA** Interdisciplinary Arts
- **ME** Music Education
- **PE** Physical Education

### 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
- **HINF** Health Information Science
- **HSD** Human and Social Development

### Faculty of Humanities
- **ARTS** Arts
- **CHIN** Chinese
- **ENGL** English
- **FREN** French
- **GER** German
- **GERS** Germanic Studies
- **GREE** Greek
- **IA** Interdisciplinary Arts
- **HINF** Health Information Science
- **HSD** Human and Social Development

### Faculty of Law
- **LAW** Law

### Faculty of Science
- **ASTR** Astronomy
- **BCMB** Biochemistry and Microbiology
- **BIOC** Biochemistry

*2007-08 UVIC Calendar*
COURSE LISTINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Program Name</th>
<th>Department Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL</td>
<td>Biology</td>
<td>Department of Biology</td>
</tr>
<tr>
<td>CHEM</td>
<td>Chemistry</td>
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<tr>
<td>EOS</td>
<td>Earth and Ocean Sciences</td>
<td>School of Earth and Ocean Sciences</td>
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<tr>
<td>MATH</td>
<td>Mathematics</td>
<td>Department of Mathematics and Statistics</td>
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<tr>
<td>MICR</td>
<td>Microbiology</td>
<td>Department of Biochemistry and Microbiology</td>
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<tr>
<td>MRNE</td>
<td>Marine Science</td>
<td>Department of Biology</td>
</tr>
<tr>
<td>PHYS</td>
<td>Physics</td>
<td>Department of Physics and Astronomy</td>
</tr>
<tr>
<td>SCIE</td>
<td>Science</td>
<td>Department of Sociology</td>
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<tr>
<td>RS</td>
<td>Religious Studies</td>
<td>Department of Sociology</td>
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<tr>
<td>STAT</td>
<td>Statistics</td>
<td>Department of Mathematics and Statistics</td>
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</table>

Faculty of Social Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Program Name</th>
<th>Department Name</th>
</tr>
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<tbody>
<tr>
<td>ANTH</td>
<td>Anthropology</td>
<td>Department of Anthropology</td>
</tr>
<tr>
<td>ECON</td>
<td>Economics</td>
<td>Department of Economics</td>
</tr>
<tr>
<td>ER</td>
<td>Environmental Restoration</td>
<td>School of Environmental Studies</td>
</tr>
<tr>
<td>ES</td>
<td>Environmental Studies</td>
<td>School of Environmental Studies</td>
</tr>
<tr>
<td>GEOG</td>
<td>Geography</td>
<td>Department of Geography</td>
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<tr>
<td>POLI</td>
<td>Political Science</td>
<td>Department of Political Science</td>
</tr>
<tr>
<td>PSYC</td>
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<tr>
<td>SOCI</td>
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<td>Department of Sociology</td>
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Interdisciplinary Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Program Name</th>
<th>Department Name</th>
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<tbody>
<tr>
<td>ACAN</td>
<td>Arts of Canada</td>
<td>Program in the Arts of Canada</td>
</tr>
<tr>
<td>CS</td>
<td>Canadian Studies</td>
<td>Diploma Program in Canadian Studies</td>
</tr>
<tr>
<td>EUS</td>
<td>European Studies</td>
<td>Political Science</td>
</tr>
<tr>
<td>IET</td>
<td>Intercultural Education and Training</td>
<td>Diploma in Intercultural Education and Training</td>
</tr>
<tr>
<td>IS</td>
<td>Indigenous Studies</td>
<td>Program in Indigenous Studies</td>
</tr>
<tr>
<td>RS</td>
<td>Religious Studies</td>
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</table>

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 ............................................................. BCMB
Faculty of Science

Biochemistry and Microbiology ........................................ BCMB
Faculty of Science

Biological Science ...................................................... BIOL
Faculty of Science

Canadian Studies ......................................................... CS
Interdisciplinary Programs

Chemistry ................................................................. CHEM
Faculty of Science

Child and Youth Care .................................................... CYCB
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

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

History ................................................................. HIS
Faculty of Humanities

Humanities .............................................................. HUMN
Faculty of Humanities

Interdisciplinary Programs

Music ................................................................. MUS
Faculty of Fine Arts

Nursing ................................................................. NURS
Faculty of Health and Community Services

Philosophy .............................................................. PHILO
Faculty of Humanities

Religious Studies ........................................................ RS
Faculty of Social Sciences

Sociology ............................................................... SOCI
Faculty of Social Sciences

Social Work ............................................................. SWO
Faculty of Social Sciences

Theology ............................................................... THEO
Faculty of Social Sciences

Urban Studies ............................................................ URBN
Faculty of Social Sciences

Writing ................................................................. WRIT
Faculty of Fine Arts

World Languages .......................................................... WRLD
Faculty of Humanities

Humanities .............................................................. HUMN
Faculty of Humanities
German ................................................ GER
Faculty of Humanities
Germanic Studies .................................. GERS
Faculty of Humanities
Greek ................................................ GREE
Faculty of Humanities
Greek and Roman Studies ....................... GRS
Faculty of Humanities
Health Information Science ..................... HINF
Faculty of Human and Social Development
History .............................................. HIST
Faculty of Humanities
History in Art ..................................... HA
Faculty of Fine Arts
Hospitality Service Management ................ HSM
Faculty of Business
Human and Social Development ................ HSD
Faculty of Human and Social Development
Humanities ........................................ HUMA
Faculty of Humanities
Indigenous Governance ........................... IGOV
Faculty of Human and Social Development
Indigenous Studies ................................. IS
Interdisciplinary Programs
Intercultural Education and Training .......... IET
Interdisciplinary Programs
Interdisciplinary Arts ............................. IA
Faculty of Education
International Business ............................ IB
Faculty of Business
Italian .............................................. ITAL
Faculty of Humanities
Japanese .......................................... JAPA
Faculty of Humanities
Latin .............................................. LATI
Faculty of Humanities
Latin American Studies ................. LAS
Faculty of Humanities
Law .............................................. LAW
Faculty of Law
Linguistics ....................................... LING
Faculty of Humanities
Marine Science ................................. MRNE
Faculty of Science
Mathematics ..................................... MATH
Faculty of Science
Mechanical Engineering ......................... MECH
Faculty of Engineering
Medieval Studies ................................ MEDI
Faculty of Humanities
Mediterranean Studies ......................... MEST
Faculty of Humanities
Microbiology ..................................... MICR
Faculty of Science
Music ............................................. MUS
Faculty of Fine Arts
Music Education ................................ ME
Faculty of Education
Nursing ........................................... NURS
Faculty of Human and Social Development
Pacific and Asian Studies ....................... PACI
Faculty of Humanities
Philosophy ...................................... PHIL
Faculty of Humanities
Physical Education .............................. PE
Faculty of Education
Physics .......................................... PHYS
Faculty of Science
Political Science .................................. POLI
Faculty of Social Sciences
Portuguese ........................................ PORT
Faculty of Humanities
Psychology ....................................... PSYC
Faculty of Social Sciences
Public Administration ............................ ADMN
Faculty of Human and Social Development
Religious Studies ................................. RS
Interdisciplinary Programs
Russian ............................................ RUSS
Faculty of Humanities
Russian Studies .................................. SLAV
Faculty of Humanities
Science .......................................... SCIE
Faculty of Science
Social Work ...................................... SOCW
Faculty of Human and Social Development
Sociology ........................................ SOCI
Faculty of Social Sciences
Software Engineering ............................ SENG
Faculty of Engineering
Southeast Asia .................................... SEA
Faculty of Humanities
Spanish ............................................. SPAN
Faculty of Humanities
Statistics .......................................... STAT
Faculty of Humanities
Teacher Education - Professional Studies .... ED-P
Faculty of Education
Theatre ............................................ THEA
Faculty of Fine Arts
Visual Arts ......................................... ART
Faculty of Fine Arts
Women's Studies ................................ WS
Faculty of Humanities
Writing ............................................ WRITT
Faculty of Fine Arts
### 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 226 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.

### Sample Course Name
**SAMP 101**
- **Units:** 1.5
- **Hours:** 3-0-1
- 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

### How to Use the Course Listings
See page 225 for a list of courses offered by each faculty and page 226 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

### Notes
Notes provide information about any restrictions on the assignment of credit in cases where courses overlap, as well as the maximum allowable credit for courses that may be taken more than once. Notes may also provide special information about a course.

### Grading
Courses that are not graded using standard letter grades will include the alternative classifications for evaluation. See page 37 for an explanation of grading abbreviations.

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Course descriptions do not include information on when courses will be offered. That information is available online at <www.uvic.ca/timetable>.
ACAN

Arts of Canada
Program in the Arts of Canada
Interdisciplinary Programs

ACAN 225 Units: 3.0 Hours: 3-0
Also: FA 225
Introduction to the Arts of Canada
An interdisciplinary examination of Canada's cultural identity and of current issues facing the arts in both French and English speaking Canada. Topics to be considered include aboriginal arts, theatre, history in art, visual and literary arts, music, multiculturalism, broadcasting and cultural policies.

Note: Credit will 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: ADMN 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, HSO 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. A project on managing organizational change is used as a way to connect manager behaviours and organizational processes.

Note: Credit will be granted for only one of 312, 406. Students may select an elective in lieu of 312.

ADMN 314 Units: 1.5
Public Sector Research and Analysis
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 the topic, purpose and audience; write and edit professionally with a good command of standard written English and principles of plain language; gather, paraphrase, summarize, analyze or interpret complex information from print and electronic sources; describe complex policies and procedures; apply the principles of document structure and design; write proposals; and design and develop the types of documents required in the public and non-profit sectors.

Note: Credit will be granted for only one of 316, ENGL 302. Students should take this course early in their Diploma program.

ADMN 407 Units: 1.5
Managing Service Delivery
Explores challenges facing public sector managers who develop or transform public service systems with a strong focus on service recipients. Examines the drivers of the service transformation movement, surveys the ways that public services can be reformed and then works through a framework for assessing service needs, engaging service recipients and stakeholders, making a business case for transformation, implementing new delivery arrangements (including networks and partnerships), managing across boundaries, and building in performance measurement and accountability.

Prerequisites: ADMN 311 or equivalent.

ADMN 409 Units: 1.5
Leading and Managing in the Non-Profit Sector
This course will provide an overview of management in the non-profit and voluntary sectors. Students will examine the size, scope, structure, functions, value bases, and uniqueness of the non-profit sector, plus the differences among the non-profit, public and private sectors. Topics include: leadership, board governance, strategy formulation, 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 include tutorials for the Excel spreadsheet program.

Note: Credit will be granted for only one of 421, 448.

ADMN 422 Units: 1.5
Ethical Public Management
An exploration of value and ethical dilemmas which confront public and quasi-public sector officials in the workplace. 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, 554 (formerly 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 of geographic characteristics of towns, cities and regions. Course provides a theoretical and historical basis for analyzing and predicting how ur-
ban areas evolve and how public policies may affect patterns of growth and change. Topics include: regional economics; economic development; growth policy; urban land use patterns; how land and housing markets function; how land use regulation affects these markets; urban environmental problems; urban transportation; and emerging spatial patterns.

Prerequisites: 310 or equivalent, or ECON 103, formerly 201.

ADMN 446 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 448 Units: 1.5
Local Government Financial Management
This course gives students a financial management foundation focused on the needs of local governments. Topics include: public sector financial management and budgeting, including capital budgeting and infrastructure investment; financial statements and their analysis; public sector accounting standards and financial reporting; cost management and control; and accountability and performance measurement. The emphasis on this course will be on local planning and reporting structures. The course will include tutorials for a spreadsheet program.

Note: Credit will be granted for only one of 448, 421.

ADMN 452 Units: 1.5
Local Government Law
Analysis of legislation and court decisions applicable to local governments in British Columbia, including the Community Charter. 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 Policy
An integrated analysis of selected local government policy problems drawing on urban and regional economics, local government law and the understanding of local government structure and operations. Includes how to analyze problems, assess response options and prepare policy recommendations within the political and administrative framework of local government. Topics selected for examination will vary.

Note: Credit will be granted for only one of 465, 420.

Prerequisites: 423 or equivalent, 445 and 452.

ADMN 470 Units: 1.5-3.0
Contemporary Topics in Administration
A study of selected topics drawn from the current literature and practices in public administration or related fields.

Note: May be taken more than once for credit in different topics.

ADMN 477 Units: 1.5
Strategic Planning and 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.

Note: Credit will be granted for only one of 477, 577, 411, 412, 470 if taken in the same topic.

AE 103 Units: 3.0
Formerly: 100
Introduction to Art Education
The role of art in education; practical exploration in art, classroom management and teaching techniques.

Note: Credit will be granted for only one of 103, 100, 101, 104, EDUC 307, EDCI 307, ED-A 701. Students planning to emphasize art in their degree program should register in this course.

AE 200 Units: 1.5
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
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
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
Three-Dimensional Art
Studio investigation of concept, materials, and techniques of sculpture, connecting these to the requirements of students. Relevant curriculum, assessment, and critiquing strategies will also be addressed.

AE 303 Units: 3.0
Ceramics
An introductory course in ceramics. Discussion and practice will include all aspects of the methods and processes as they relate to educational practice.

AE 305 Units: 1.5
Hours: 3-1
Drawing
Development of skills and teaching methods in drawing through studio exploration. Instructional applications in various learning environments are considered.

Note: Credit will be granted for only one of 305, 302.

AE 306 Units: 1.5
Hours: 3-1
Painting
Development of skills and teaching methods in painting through studio exploration. Instructional applications in various learning environments are considered.

Note: Credit will be granted for only one of 306, 302. Supply list for 306 available from MacLaurin A430 or at <www.educ.ca/edci>.

AE 307 Units: 1.5
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
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
Ceramics: Hand Building
Studio experience in the methods and techniques of hand-built ceramics and their application to different levels of student development; appropriate curriculum, assessment, and critiquing strategies.

AE 310 Units: 1.5
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
Curriculum Planning in Art Education
Study of art education curriculum guides and of methods of planning programs for the classroom.

AE 316 Units: 1.5
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
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
Photography
Basic approaches to photography as an art medium. An exploration of concepts and methods appropriate to elementary and secondary classrooms and other educational settings from simple technologies such
as photographs and pinhole photography to 35 mm.
cameras and darkroom procedures.

**AE 320**
Units: 1.5  Hours: 3-1
Art and the Young Child
Study of characteristics and development of early
childhood art through teaching and practical work
and survey of evaluation methods for effective in-
struction.

**AE 321**
Units: 1.5  Hours: 3-1
Art in the Intermediate Grades
The development of a program specifically for stu-
dents in the intermediate grades; investigating curric-
ula and media relevant and meaningful to this age

group.

**AE 322**
Units: 1.5  Hours: 3-1
Digital Arts
An introductory survey of digital media production
focusing on graphics, 2D animation, 3D modeling and
animation, audio, video, and website construction.
Students will learn to generate media ideas, collect
resources, construct and edit concepts using indus-
try-standard software packages. The course will em-
phasize the production and teaching of digital media
for creative, educational, and commercial environ-
ments. No previous computer experience is required.

**AE 401**
Units: 1.5 or 3.0  Hours: 3-1
Special Studies
Studies of selected topics in the theory and practice
of art education.
Note: May be taken more than once for credit nor-
mally 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
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 pro-
gram will be at the discretion of the department. Letter
designations identify discrete areas for advanced
study. In the interest of gaining breadth experiences,
students taking more than 1.5 units of 402 should not
repeat an area.

Prerequisites: Appropriate introductory course for the
selected art area.

**AE 422**
Units: 1.5  Hours: 3-1
Advanced Digital Arts
An advanced exploration of digital media production
using graphics, animation, 3D modeling, audio, video,
and website construction. Students will choose indi-
vidual media projects related to areas of interest and
construct them using standard media software tools
and professional models of project management.
Students will also have the opportunity to explore
advanced industry-based software programs. The
course will emphasize advanced digital media theory
and practice within creative, educational, and com-
mercial environments.
Note: Credit will be granted for only one of 422, 420J
in a degree program.

Prerequisites: 322.

**ANTH**

**Anthropology**
Department of Anthropology
Faculty of Social Sciences

**ANTH 100**  Units: 1.5  Hours: 3-0
Formerly: 100A and B
Introduction to Anthropology
An introductory survey of the sub-fields of anthrop-
ology: biological anthropology, archaeology, cultural
and social anthropology, and linguistic anthropology.
Topics include the human fossil record, the archaeo-
logical record from Paleolithic cultures to urban civ-
ilizations, 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: 2-0-2
Formerly: 200A and B
Cultural and Social Anthropology
An introduction to the analysis of sociocultural sys-
tems. Major topics include subsistence, production
and distribution, social organization, politics, religion,
kineship, 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 prob-
lems of interpretation, laboratories will provide an
opportunity to become familiar with archaeological
materials and with some basic techniques of analy-
sis.
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, investiga-
tion of the human fossil record, human skeletal varia-
tion, population genetics, growth and development
and morphological variation.
Prerequisites: 100.

**ANTH 301**  Units: 1.5  Hours: 3-0
Formerly: part of 300, 300A, 300B, 300C
Comparative Social Organization
Cross-cultural analysis of the main aspects of human
social organization including associations and/or
groups based on descent, age, gender, friendship,
caste and class.
Note: Credit will be granted for only one of 301, 300,
300A, 300B, 300C.
Prerequisites: 200.

**ANTH 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 con-
temporary technology.
Prerequisites: 100 or 200.

**ANTH 305**  Units: 1.5  Hours: 3-0
Anthropology of the Arts
Critical approaches to the anthropological study of
the visual arts of the 19th and 20th centuries using
case study examiners from a variety of geographical
areas.
Prerequisites: 100 or 200.

**ANTH 306**  Units: 1.5  Hours: 3-0
Folklore and Mythology
Anthropological analysis of oral traditions from a
range of societies. The structure and functions of
specific types of material. The relation of the study of
folklore and mythology to other interests in anthropol-
ogy.
Prerequisites: 100 or 200.

**ANTH 307**  Units: 1.5  Hours: 3-0
Anthropology of Children and Youth
An examination of current anthropological research
on infants, children, and youth, with particular em-
phasis on young people as social actors and cultural
producers.
Note: Credit will be granted for only one of 307, 390A,
393 if taken under this topic.
Prerequisites: 200

**ANTH 308**  Units: 1.5  Hours: 3-0
Legality and Social Justice in Global Perspective
A cross-cultural analysis of concepts of justice and
the construction of legality in a range of societies with
varying degrees of complexity. Topics include contem-
porary initiatives aimed at achieving social justice
internationally by drawing on indigenous concepts
and structures in the restructing of legality as it is
practiced in industrial and post-industrial societies.
Note: Credit will be granted for only one of 308, 390A,
393 if taken under this topic.
Prerequisites: 100 or 200 or permission of instructor.

**ANTH 309**  Units: 1.5  Hours: 3-0
Visual Anthropology
Examination of theoretical and methodological ap-
proaches 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 anthropol-
ogists. Comparative analysis of belief and ritual sys-
tems.
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 appro-
priate data for the solution of practical problems aris-
ing in the context of social change. The course sur-
veys applications of anthropological research to
various contexts such as agricultural development, pop-
ulation planning, the impact of technological change,
education, law, medicine, and heritage resource man-
agement.
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
Introduction to 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 cov-
ered may include epidemiology, disease and evolu-
tion, and transcultural 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
Designed to introduce students to research methods
suitable for anthropological problems. Emphasis is
ETHNOLOGY OF SOUTH ASIA

An examination of anthropological perspectives on the cultural construction of ethnicity, race and nationalism as well as the historical processes which influenced the formation of ethnic groups and nations, with illustration from various regions of the world including Canada.

**Note:** Students who took 335 prior to 2006-07 may repeat 335 for credit only with Departmental permission.

**Prerequisites:** 200 or permission of 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:** 200 or permission of instructor.

**ANTH 337** Units: 1.5 Hours: 3-0

Ethnology of Eurasia

An exploration of the socialist experience and its aftermath in Eurasia. Analysis of the historical and political processes that shape this region, of cultural and social trends in selected countries and an overview of anthropological approaches to Eurasia.

**Note:** Credit will be granted for only one of 337, 391 if taken under this topic.

**Prerequisites:** 200 or permission of instructor.

**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:** 200 or permission of instructor.

**ANTH 341** Units: 1.5 Hours: 3-0

Paleolithic Archaeology

A review of the formative phases in the development of prehistoric cultures and societies during the Pliocene-Pleistocene in Africa, Eurasia and Australia. Archaeological evidence on cultural beginnings, ecology, subsistence systems, technology and social life of early humankind.

**Note:** Credit will be granted for only one of 341, 341A.

**Prerequisites:** 240.

**ANTH 342** Units: 1.5 Hours: 3-0

Pre-Columbian 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.

**Note:** Credit will be granted for only one of 344, 390 if 390 taken under same topic; students may repeat 344 for credit with Departmental permission if regional focus is different.

**Prerequisites:** 240 and permission of the department.

**ANTH 347** Units: 1.5 Hours: 3-0

Stone Age of Africa

An overview of the Stone Age prehistory of Africa, from the earliest stone tools to the beginnings of agriculture, involving an in-depth examination of a number of important archaeological sites.

**Note:** Credit will be granted for only one of 347, 390, 392 if taken under this topic.

**Prerequisites:** 240.

**ANTH 390** Units: 1.5 Hours: 3-0

Peopling of New Territories

Current reconstructions show humans initially evolved in Africa, and subsequently expanded their range to the extent that, by the time of European voyages of world exploration, people were already almost everywhere. This course focuses on the processes by which humans discovered and adapted to previously unsettled lands. Emphasis will be on archaeological data and interpretation via selected case studies, particularly the first people of Australia, the Pacific, and the Americas.

**Note:** Credit will be granted for only one of 348, 390, 392 if taken under this topic.

**Prerequisites:** 240.

**ANTH 391** Units: 1.5 Hours: 3-0

Stone Age of Australia

An introduction to the study of animal bones from archaeological sites, with a lecture component emphasizing general methodology and case studies from different regions and a laboratory component focusing on the analysis of Northwest Coast fauna.

**Note:** Credit will be granted for only one of 349, 390, 392 if taken under this topic.

**Prerequisites:** 240.

**ANTH 392** Units: 1.5 Hours: 3-0

Human Paleontology

An examination of the fossil evidence for human evolution emphasizing the interpretation and reconstruction of the human lineage.

**Note:** Credit will be granted for only one of 351, 351B.

**Prerequisites:** 250.

**ANTH 395** 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 396** Units: 1.5 Hours: 1-2

Zoarchaeology

An introduction to the study of animal bones from archaeological sites, with a lecture component emphasizing general methodology and case studies from different regions and a laboratory component focusing on the analysis of Northwest Coast fauna.

**Note:** Credit will be granted for only one of 360, 390, 392 if taken under this topic.

**Prerequisites:** 240.
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 393, 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.
Note: Credit will be granted for only one of 393, 390, 390A if taken in the same topic. May be repeated under different topics. Topics and prerequisite information will be provided by the departmental office.
Prerequisites: Prerequisites may vary depending upon topic; permission of the instructor for non-Anthropology Majors.

ANTH 394 Units: 1.5 Hours: 3-0
Formerly: 390
Selected Problems in Anthropology: Physical Anthropology
Presentation of selected problems in anthropology.
Note: Credit will be granted for only one of 394, 390, 390B if taken 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 4.0 in 200, 240 and 250.

ANTH 400B Units: 1.5 Hours: 3-0
Formerly: part of 400
Current Trends in Anthropological Theory
Survey of recent developments in anthropological theory.
Note: Credit will be granted for only one of 400B, 400.
Prerequisites: Fourth-year standing and a minimum grade point average of 4.0 in 200, 240 and 250.

ANTH 401 Units: 1.5 Hours: 3-0
Also: ES 430
Cultural Ecology
Theories concerning the relationship of human groups, culture and environment; cultural systems as the means by which human populations adapt to their environments.
Note: Credit will be granted for only one of 401, ES 430.
Prerequisites: ES students: ES 200 or 300A, and one of ES 301 or 321; or permission of the 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 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
Ecological Anthropology
A comparative analysis of the social context of production, distribution and exchange systems.
Prerequisites: 200.

ANTH 406 Units: 1.5 Hours: 3-0
Political Anthropology
Examination of the theoretical and methodological approaches to power and politics, based on anthropological research.
Prerequisites: 200.

ANTH 409 Units: 1.5 Hours: 3-0
Applied Ethnographic Film
Seminar-based course focused on visual research and production of ethnographic film. Student teams produce original ethnographic videos using the Visual Media Lab digital cameras and computer editing software and equipment.
Prerequisites: 200 and 309.
Pre- or corequisites: 305

ANTH 418 Units: 1.5 Hours: 3-0
Cultural and Social Change
Survey of the theories advanced to explain cultural and social change. Special attention will be given to socio-cultural change among indigenous peoples of Africa, Asia, the Pacific and the Americas.
Prerequisites: A minimum grade of B- in 200.

ANTH 420 Units: 1.5 Hours: 3-0
Development Anthropology
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 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: 3-3
Archaeology of the Pacific Northwest
Intensive study of problems of interpreting Pacific Northwest archaeological data. Field trips will be scheduled.
Prerequisites: 240.

ANTH 450 Units: 1.5 Hours: 3-0
Advanced Topics in Primate Behavioral Ecology
Seminar-based course focused on in-depth exploration of topics related to primate behavioral ecology such as method and theory in behavioural ecology, feeding ecology, socio-ecology, reproductive ecology. Multi-species comparative approaches will be used.
Note: Credit will be granted for only one of 450, 394 if taken under same topic.
Prerequisites: 250 and 350 or 350A.

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 behaviour assessed via modern evolutionary theory in ecological context.
Prerequisites: 250.

ANTH 491 Units: 1.5 Hours: 3-0
Directed Studies in Anthropology: Ethnology
Individual study of specific research topics in ethnology with close collaboration and consent of Department and individual instructor.
Note: Credit will be granted for only one of 491, 490 if taken under same topic. A student may receive credit in a maximum of 3 units of 490-495 courses.
Prerequisites: Only open to Honours or Major students with fourth-year standing, a minimum GPA of 6.5 in upper-level Anthropology courses and a minimum overall cumulative GPA of 5.5.

ANTH 492 Units: 1.5 Hours: 3-0
Directed Studies in Anthropology: Archaeology
Individual study of specific research topics in archaeology with close collaboration and consent of Department and individual instructor.
Note: Credit will be granted for only one of 492, 490 if taken under same topic. A student may receive credit in a maximum of 3 units of 490-495 courses.
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.

Pre- or corequisites: 100.

ART 102  Units: 0.5  Hours: 0-1
Introduction to Digital Practices
Designed to provide students with knowledge and appreciation of safe practice in the shop area. Students will each participate in four labs of 3 hours in duration. Items covered will include basic WHMIS training, safe operation of power tools, and hand tools. Attendance at all labs and completion of projects is required.

NOTE: This is a required course for all Visual Arts students and must be completed before registering in courses beyond the 100 level. - Transfer students may take this course concurrently with courses above the 100 level, but must complete the course in their first year in the Visual Arts Department.

Grading: COM, N, or F.

ART 110  Units: 1.5  Hours: 0-3  Formerly: half of 210
Painting
A studio introduction to painting and related areas.

Pre- or corequisites: 100 and 101.

ART 120  Units: 1.5  Hours: 0-3  Formerly: half of 220
Sculpture
An introduction to concerns and methods in contemporary sculpture. Students will experience a broad range of studio practices as well as explore theoretical issues. Short projects and critiques are the standard format for this class.

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 are dealt with in this context.

Pre- or corequisites: 100 and 101.

ART 141  Units: 1.5  Hours: 3-0
An Introduction to Contemporary Art Photography
An introductory lecture and practical course focusing on the ideas associated with contemporary art photography. Through lectures which will introduce students to various practices of contemporary photographers and photography assignments, students will gain insight into photography as an arts practice within the field of contemporary art.

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.

Pre- or corequisites: 100 and 101.

ART 151  Units: 1.5  Hours: 3-0
An Introduction to Contemporary Visual Art
A lecture course open to all students. The course will introduce some of the pertinent subjects and issues within contemporary art today. The course uses examples of contemporary art and provides a critical context in which to approach current art practices.

NOTE: This course is recommended for all Visual Arts students.

ART 160  Units: 1.5  Hours: 0-3
Digital Media 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.

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.

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.

Pre- or corequisites: 100 and 101.

ART 210  Units: 1.5 formerly 3  Hours: 0-3
Painting
An extension of 110.

Pre- or corequisites: 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.

Pre- or corequisites: 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.

Pre- or corequisites: 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.

Pre- or corequisites: 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:** 3.0  
**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:** 3.0  
**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:** 3.0  
**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:** 3.0  
**Hours:** 0-3  
**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:** 3.0  
**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:** 3.0  
**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:** 3.0  
**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:** 3.0  
**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:** 3.0  
**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:** 3.0  
**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 334**

**Units:** 3.0  
**Hours:** 0-3  
**Multi-Media Printmaking**  
A studio course placing emphasis on the use of a variety of media in printmaking.  
**Note:** Class size is limited. May be taken more than once for credit with permission of the department.  
**Prerequisites:** 130 and 230.

**ART 341**

**Units:** 3.0  
**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:** 3.0  
**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:** 3.0  
**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:** 3.0  
**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:** 3.0  
**Hours:** 0-3  
**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.

**ART 360**

**Units:** 3.0  
**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:** 3.0  
**Hours:** 0-3  
**Digital Video Art**  
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.  
**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:** 3.0  
**Hours:** 0-3  
**Digital Video Art**  
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.  
**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:** 3.0  
**Hours:** 0-3  
**Digital Video Art**  
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.  
**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:** 3.0  
**Hours:** 0-3  
**Digital Video Art**  
An advanced course in digital video art. Relevant computer programs to capture and manipulate video will be used.  
**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:** 3.0  
**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:** 3.0  
**Hours:** 0-3  
**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.

**Prerequisites:** 6 units of credit in the specialized area of study, at least 3 units of which must be at the third year level, and permission of the department. Normally for Major students only.

**ART 498** Units: 1.5 Hours: 0-1.5
Honours Seminar
The ART 498 Honours Seminar meets weekly, serving as a forum for active investigation of contemporary art practices. The seminar also serves as an occasional forum for artists and critics who are visiting through the Visual Art Department’s Visiting Artist program. Students are expected to participate actively in discussion, and to demonstrate their critical and analytical abilities in dealing with material presented. The ART 498 Honours Seminar is a weekly 1.5 hour Seminar requirement which is mandatory for all students undertaking the ART 498 Senior Project.

**Corequisites:** 499.

**ART 499** Units: 10.5
Senior Project
The senior project is the major component in the BFA Honours Degree Program. Each student taking 499 works under the supervision of a faculty member. In addition to this regular contact there are three formal critiques of each student’s work per year at which 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 three 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.

**Note:** It is the expectation that, as well as the weekly conference time with the adviser, the student will spend a minimum of 24 hours per week in the studio. The year culminates in the 499 Graduation Exhibition which is held in April of each year and is the final accomplishment of students in the Honours Program. The senior project presents an opportunity to students who have a firm commitment to their chosen area of study and the ability to work independently under supervision. Normally class size is limited to 15.

**Corequisites:** 498.

**ARTS**

**Arts**
Faculty of Humanities

**ARTS 190** Units: 1.5
Individual Study
Granted only by special permission of the Dean of Humanities, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

**ARTS 290** Units: 1.5
Individual Study
Granted only by special permission of the Dean of Humanities, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

**ARTS 390** Units: 1.5
Individual Study
Granted only by special permission of the Dean of Humanities, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

**ASTR**

**Astronomy**
Department of Physics and Astronomy
Faculty of Science

Courses offered by the Department of Physics and Astronomy are also found under the following course code: PHYS (Physics).

**ASTR 120** Units: 3.0 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** Units: 1.5 Hours: 3-3
General Astronomy: I
Astronomical coordinate systems, time, Kepler’s laws and planetary orbits, the earth-moon system, the planets and major planets, comets, meteors and meteorites, interplanetary particles, cosmogony, the sun.

**Prerequisites:** One of PHYS 112, 120 or 122, or permission of the department; MATH 100 and 101.

**ASTR 200B** Units: 1.5 Hours: 3-3
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** Units: 1.5 Hours: 3-0
Introductory Extragalactic Astronomy
Kinematics and morphology of spiral (including the Milky Way), elliptical and irregular galaxies. Introduction to current theory for the formation and evolution of galaxies and the large-scale structure. Observations of active galactic nuclei, jets and quasi-stellar objects.

**Prerequisites:** 200A and 200B; PHYS 215 and 216.

**Pre- or corequisites:** PHYS 317.

**ASTR 304** Units: 1.5 Hours: 3-0
The Solar System
Astronomy and astrophysics of planets, satellites, comets, asteroids, meteorites and meteors, including recent results from space exploration.

**Prerequisites:** 200A and 200B; PHYS 215 and 216.

**Pre- or corequisites:** PHYS 317.

**ASTR 400** Units: 1.5 Hours: 3-0
Radio Astronomy
The detection of cosmic radio waves; mechanisms for production of radio noise; the sources of radio waves; the contribution of radio astronomy to our knowledge of the universe.

**Prerequisites:** 200A and 200B; PHYS 215 and 216. PHYS 325 is recommended.

**Pre- or corequisites:** MATH 326.

**ASTR 402** Units: 1.5 Hours: 3-0
Dynamical and Galactic Astronomy
Dynamics of the galaxy. Gravitational potential theory applied to the galaxy, and stellar orbits in the galaxy. Numerical methods for collisionless n-body systems. Equilibria of such systems; the collisionless Boltzmann equation. Dark matter. Systems of galaxies, cosmological implications.

**Note:** May be offered only in alternate years.

**Prerequisites:** 200A and 200B.

**Pre- or corequisites:** PHYS 321B and MATH 326.

**ASTR 403** Units: 1.5 Hours: 3-0
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** Units: 1.5 Hours: 3-0
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 405** Units: 1.5 Hours: 3-0
Introduction to Cosmology
Observations and theory of the expanding universe; the cosmic microwave background and observations of light nuclear elements; the growth of structure leading to the creation of stars and galaxies; studies of dark matter and dark energy; the impact of galaxy evolution on observational cosmology.

**Prerequisites:** 200A and 200B or permission of the instructor, and MATH 326.

**ASTR 303** is recommended.

**ASTR 429A** Units: 1.5 Hours: 0-6
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** Units: 1.5 Hours: 0-6
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** Units: 0 Hours: 2-0
Astronomy Seminar
Talks by students, faculty and outside speakers.

**Grading:** COM, N or F.

**ASTR 490** Units: 1.0-3.0
Directed Studies
**Note:** Students must obtain permission of the department before registering.

**BCMB**

Biochemistry and Microbiology
Department of Biochemistry and Microbiology
Faculty of Science

**BCMB 301A** Units: 1.5 Hours: 0-6
Formerly: Part of BIOC 301, MICR 301

**Intermediate Laboratory I**
An intermediate course in biochemical, microbiological and molecular biological laboratory techniques.

**Note:** Credit will be granted for only one of BCMB 301A and BIOC 301 or MICR 301.
Prerequisites: MICR 200A and 200B, or 200.
Pre- or corequisites: BIOC 300A, or BIOC 300; or permission of the department.

BIOC 301B Units: 1.5
Formerly: Part of BIOC 301, MICR 302
Intermediate Laboratory II
An intermediate course in biochemical, microbiological and molecular biological laboratory techniques.
Note: Credit will be granted for only one of BIOC 301B and BIOC 301 or MICR 302.
Prerequisites: 301A, MICR 200A and 200B, or 200.
Pre- or corequisites: BIOC 300B, or BIOC 300; or permission of the department.

BIOC 406A Units: 1.5
Formerly: Part of BIOC 406, MICR 406
Advanced Laboratory I
An advanced course in biochemical, microbiological and molecular biological laboratory techniques.
Note: Credit will be granted for only one of BCMB 406A and BIOC 406 or MICR 406.
Prerequisites: BIOC 301A and 301B, or BIOC 301 and 301C; or permission of the department.

BIOC 406B Units: 1.5
Formerly: Part of BIOC 406, MICR 406
Advanced Laboratory II
An advanced course in biochemical, microbiological and molecular biological laboratory techniques.
Note: Credit will be granted for only one of BCMB 406B and BIOC 406 or MICR 406.
Prerequisites: BIOC 301A and 301B, or BIOC 301 and 301C; or permission of the department.

BIOC 102 Units: 1.5
Biochemistry and Human Health
An introduction to current issues related to human health and disease and approaches taken by biomedical scientists in response to them. Cancer, autoimmune diseases, and coronary heart disease; the concept of risk factors; infectious diseases, e.g. AIDS, dysentery, tuberculosis, and parasitic infections; human nutrition, food safety and preservation, and their relation to health and world food shortages. Strategies for disease treatment, e.g. animal cloning, gene therapy, genetic engineering, vaccination, and the development of new pharmaceuticals such as human hormones; controversies associated with each strategy.
Note: Not open for credit to students registered in BIOC 300A or 300B, or with credit in a third-year BIOC or BIOL course.

BIOC 200 Units: 1.5
Introductory Biochemistry
Prerequisites: CHEM 231.

BIOC 300A Units: 1.5
Formerly: Part of 300
General Biochemistry I
BIOC 300A and 300B are intended to provide intermediate level coverage of foundation topics in biochemistry. Protein structure and function, enzymes and enzyme kinetics, carbohydrates, lipids, biological membranes and bioenergetics.
Note: Credit will only be given for one of BIOC 300A and 300B.
Prerequisites: A minimum grade of B- in 200.
Pre- or corequisites: CHEM 213 is recommended.

BIOC 300B Units: 1.5
Formerly: Part of 300
General Biochemistry II
BIOC 300A and 300B are intended to provide intermediate level coverage of foundation topics in biochemistry. Metabolic processes and their control, as well as structure and function of DNA, RNA, and genes.
Note: Credit will only be given for one of BIOC 300A and 300B.
Prerequisites: A minimum grade of B- in 200.
Pre- or corequisites: CHEM 213 is recommended.

BIOC 401 Units: 1.5
Gene Expression in Eukaryotes
An advanced study of gene expression in eukaryotes. Topics will include supermolecular organization of chromatin, gene structure, eukaryotic transcription, transcriptional regulation and post-transcriptional processing.
Prerequisites: 300A and 300B, or 300; CHEM 213; or permission of the department.

BIOC 403 Units: 1.5
Biomembranes
The supramolecular structure, assembly and function of biological membranes. Topics will include the synthesis, structure and properties of membrane lipids, protein secretion and targeting, cell signaling, transport and bioenergetics.
Prerequisites: 300A and 300B, or 300; CHEM 213; or permission of the department.

BIOC 404 Units: 1.5
Proteins
Detailed examination of protein structure and function emphasizing techniques for the determination of protein structure and the study of protein interactions in binding and catalysis. The course will consist of formal lectures in addition to required readings.
Prerequisites: 300A and 300B, or 300; CHEM 213; or permission of the department.

BIOC 407 Units: 1.5
Plant Molecular Biology and Biochemistry
An advanced study of the molecular biology and biochemistry of higher plants with specific examples. Topics will include: seed biochemistry and embryogenesis, Si RNA, chromatin remodelling, structure and function of hormone receptors and photoreceptors, cell signalling pathways during development and abiotic stress, plant-microbe interactions, innate immune responses and defence signalling, applied biochemistry.
Prerequisites: 300A and 300B, or 300; or permission of the department.

BIOC 470 Units: 1.5
Directed Studies in Biochemistry
Directed studies may not be taken more than once and are normally only available to students with a minimum cumulative GPA of 5.00 and fourth-year standing in the BIOC/Micro program.
Prerequisites: 300A and 300B, or 300; or permission of the department.

BIOC 499 Units: 3.0
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.

Note: Credit will be granted for only one of BCMB 406A and BIOC 406 or MICR 406.

BIOL Biology
Department of Biology
Faculty of Science

BIOL 150A Units: 1.5
Modern Biology I
An introduction to biological science, emphasizing the diversity of living organisms and the evolutionary and ecological principles underlying this diversity. Topics include the history of life on earth, mechanisms of evolution, and the ecology of populations, communities and ecosystems (including human ecology).
Note: Not open to students with credit in 150A, 190A or 190B. BIOL 150A and 150B may be taken in any order.
Major and Honours students, see page 170.

BIOL 150B Units: 1.5
Modern Biology II
An introduction to biological science, emphasizing cellular and physiological processes. Topics include principles of genetics, cell biology, plant physiology and animal physiology.
Note: Not open to students with credit in 150A, 190A or 190B. BIOL 150A and 150B may be taken in any order.
Major and Honours students, see page 170.

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 2nd 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 plants and animals. Physical environments of organisms; biotic environments and interactions among species; factors influencing population growth; behavioural ecology; community ecology; succession; trophic levels and energy flow, is-
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COURSE LISTINGS

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Introduction to entomology including the biodiversity, ecology, and conservation of insects. The lab will focus on identification of 33 orders and 175 families of insects. A collection of 50 species of insects will be required. Instructions and collecting equipment must be signed out at the end of the spring term preceding the course.

Prerequisites: 190B or 220, 215, third-year standing.

BIOL 310A Units: 1.5 Hours: 2-3
Marine Field Biology
Introduction to methods and concepts of marine biological investigation. Description and comparison of species associations, spatial and temporal distribution patterns, food networks, life history strategies. Field emphasis will be on rocky shore, algal, forest, and infaunal ecosystems. The laboratory will emphasize accuracy in species identification.

Prerequisites: 215 and 321.

BIOL 310B Units: 1.5 Hours: 3-3
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 311 Units: 1.5 Hours: 3-3
Marine Ecology
The agents that control the distribution of organisms and structure of marine communities, including the influence of environmental conditions on plant and animal populations, organic matter and nutrient cycling, consumer dynamics and competition, community stability and diversity.

Prerequisites: 321 or 206; 306 or corequisite 330 or ES 310 or 344. 323 or 203 recommended.

BIOL 312 Units: 1.5 Hours: 3-3
Survey of Invertebrates
Invertebrate diversity in an evolutionary perspective. Morphology, life histories, phylogeny and upper level systematics; selected aspects of behaviour and physiology. Laboratory exercises include study of live and preserved specimens.

Note: Credit will be granted for only one of 321, 206.

Prerequisites: 190A or 210; 190B or 220; 225.

BIOL 322 Units: 1.5 Hours: 3-3
Biology of Marine Invertebrates
Selected functional categories of invertebrate adaptations. In particular: defensive adaptations, adaptations related to feeding and nutrition, symbiotic relationships, musculo-skeletal systems, and reproductive and developmental adaptations. Emphasis is on interpretation of data from the published literature. Laboratory exercises involve study of live material and will include observations on behaviour, larval types, and anatomy as exposed by dissections.

Prerequisites: 321.

BIOL 323 Units: 1.5 Hours: 3-3
Algae and Fungi
The origins, classification, evolution, genetics, physiology, ecology, and economic uses of the algae and fungi. Laboratories introduce plants from the local flora and include field trips to terrestrial and marine habitats.

Note: Credit will be granted for only one of 323, 203.

Prerequisites: 215, 225, 230.

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 325 Units: 1.5 Hours: 3-3
Tree Biology
The unique features and specialized adaptations of trees. Tree physiology, cell biology, morphology and anatomy. Laboratory exercises and field trips will reinforce lecture concepts.

Prerequisites: A minimum grade of B in 225.

BIOL 329 Units: 1.5 Hours: 3-3
Biology of the Vertebrates of British Columbia
Factors that influence the organization, distribution, and diversity of vertebrates in BC. Topics include: natural history, systematics, sample design, biodiversity, and conservation initiatives. Course goals are to appreciate the diversity of vertebrates and understand fish, flora and include field trips to terrestrial and marine protected areas. Laboratories in-
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. Topics include: behavioral ecology, comparative neuroethology, animal communication and sensory modes, foraging behaviours, mate choice, sociality, and warfare. Laboratory includes observational and experimental approaches to behaviour of representative invertebrate and vertebrate taxa. Note: Students with credit in MRNE 446 may take this course for credit. Prerequisites: 190A or 210; 190B or 220; 215 or declared program in ANTH or Combined BIOL/PSYC; 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: BIOL 300 or 300A or 300B.

Biol 361  Units: 1.5  Hours: 3-0  Molecular Genetics
Molecular basis of inheritance in eukaryotic organisms. Classical genetic theory, control of gene expression, chromosome structure and evolution, immunogenetics, population genetics. Prerequisites: 225 and 230 are recommended. Pre- or corequisites: BIOL 300 or 300A or 300B.

Biol 362  Units: 1.5  Hours: 1-3  Techniques in Molecular Biology
An introduction to basic techniques in molecular biology. Nucleic acid (DNA and RNA) extractions; RT-PCR; molecular cloning; gel electrophoresis; radio-labeling and non-isotopic labeling of DNA probes; Northern Blots, Southern Blots and Western Blots; computer based analyses of nucleotide sequence data. Students will undertake laboratory safety assignments on WHMIS, BioSafety and Radiation Safety. Prerequisites: 230; 360 or 361 recommended.

Biol 365  Units: 1.5  Hours: 3-3  Animal Physiology
Fundamentals of animal physiological systems: principles of cellular and organismic homeostasis, nutrition, digestion, salt/water balance, respiration, circulation, muscle contraction, excitable membranes, sensory systems, brain functions, hormones, reproduction. Laboratory includes study of live animals. Note: Credit will not be given for 365 and 305A, 305B. Prerequisites: 190A or 210; 190B or 220; 225; BIOL 200; third-year standing.

Biol 366  Units: 1.5  Hours: 3-3  Plant Physiology
Principles of plant physiology; photosynthesis, water relations, ion uptake, translocation, carbohydrates, nitrogen and lipid metabolism, phenolics, phytohormones, tropisms, phytochrome. Note: Credit will not be given for 366 and 331A, 331B.

Biol 370  Units: 1.5  Hours: 3-0  Conservation Biology
Diversity of organisms, functioning of ecosystems, and the impact of human activities on these. Topics include the nature of biological diversity; extinction and its 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 370, ER 313, ES 318, ES 320, ES 348. Prerequisites: 190A or 210, 215, 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.

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. Prerequisites: Pre- or corequisites: 360 or 361 or BIOL 300 or 300B.

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: 401A. Pre- or corequisites: 362.

Biol 404  Units: 1.5  Hours: 3-0  Sensory Biology
Recent advances in the study of the development and function of sensory systems, with emphasis on cellular and molecular mechanisms. Assignments will promote skills for evaluating primary scientific literature, developing hypotheses, and designing experiments. Prerequisites: 225, 230, and 360 or 361; 309, 365, and 409A recommended.

Biol 409A  Units: 1.5  Hours: 3-0  Neurobiology: Molecules to Behaviour

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: 385 or permission of the department.

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 or ES 310 or 344.

Biol 412  Units: 1.5  Hours: 2-3  Advanced Entomology
Recent advances in the field of entomology with special emphasis on invasive species, canopy biodiversity, and forest and freshwater ecosystems. Students will be expected to become familiar with recent literature from leading journals. A seminar presentation will be required. The lab will focus on insect identification, data analysis, and presentation of results. Prerequisites: 312. Pre- or corequisites: 330 or ES 310 or 344.

Biol 415B  Units: 1.5  Hours: 1-3  Experimental Mycology
The molecular genetics of fungi. Assessment of genomic variation in fungal populations; cloning and expression of fungal gene products. Students conduct group research projects and present a report. Prerequisites: 360 or 200; 323 or 203; 361 or 300; and permission of the instructor.

Biol 418  Units: 1.5  Hours: 3-3  Plant Ecology
An introduction to factors controlling the abundance and distribution of terrestrial plants. Topics examined will include: the effect of environmental factors on plants; population dynamics; competition; plant-animal interactions; community composition, structure, and function; how communities change along environmental gradients; succession; diversity; major types of plant communities. Costs of field trips will be borne by the students. Prerequisites: 330 or ES 310 or 344 or permission of the instructor; BIOL 318 recommended.

Biol 420  Units: 1.5  Hours: 3-3  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  Hours: 3-3  Population Ecology
Theories of population growth and regulation, life history strategies, and population interactions. Considerable outside reading and presentation of research seminars are required. Laboratory experiments to demonstrate basic principles of population ecology and relevant quantitative techniques. Quantitative aspects of population ecology are stressed. Prerequisites: 330 or ES 310 or 344.

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BIOL 432 Units: 1.5 Hours: 3-0
Molecular Endocrinology
Basic and molecular aspects of endocrinology. Brain hormones and their precursors, insulin and its receptor, gene-associated peptides, new glycoprotein hormones, growth factors, steroids, the superfamily of steroid and thyroid receptors, pheromones, onco-genes, and immunoregulatory. Lectures and presentations of scientific papers.
Prerequisites: One of 360, 365, 350A, BIOL 300, 300A, 300B.

BIOL 435 Units: 1.5 Hours: 3-0
Molecular Evolution
Prerequisites: 215, 225, 230.
Pre- or corequisites: One of 330, 455, BIOL 300, 300A, 300B, or permission of the instructor.

BIOL 436 Units: 1.5 Hours: 3-0
Human Molecular Genetics
Survey of the organization, structure/function, and mapping of the human genome; the biochemical and molecular basis, screening, prevention, and treatment of various human diseases, including cancer.
Prerequisites: 225, 230, 361 or BIOL 300 or 300A or 300B, or permission of the instructor.

BIOL 437 Units: 1.5 Hours: 3-0
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: 215, 225, 230, 360.

BIOL 438 Units: 1.5 Hours: 3-0
Ecology of Prokaryotes
An introduction to the ecology of prokaryotes (bacteria and archaea). Diversity and evolution of populations and communities of prokaryotes and their role in the major biogeochemical cycles: carbon, nitrogen, sulfur. Genetic, biochemical, physiological and ecological aspects of processes such as nitrogen fixation and methanogenesis; design of experimental approaches to assess cycling of elements in forests, lakes and oceans by prokaryotes.
Prerequisites: 330 or ES 310 or 344 or MCR 200, or 200A and 200B, 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: 215, 225, 230, STAT 255 or 260.

BIOL 441 Units: 1.5 Hours: 3-0
Advanced Vertebrate Physiology
The integrated function and regulation of function of tissues, organs and organ systems. The integration of cellular and molecular events in the intact organism. Didactic and problem-based learning approaches will be used.
Note: Credit will be granted for only one of 441, 490E (if taken in same topic).
Prerequisites: 365

BIOL 446 Units: 1.5 Hours: 3-0
Advanced Aquatic Ecology
Introduction to fundamental models in aquatic ecology and their application to freshwater ecosystems. Emphasis on integrated approaches to water quality, nutrient-food web dynamics, aquatic biodiversity, fisherie productivity, and contaminant transport. Critical review of recent journal articles. Written and oral presentations required.
Prerequisites: Fourth-year standing and one of 311, 311B, 330, EOS 311, ES 310, 344, GEOG 371.

BIOL 448 Units: 1.5 Hours: 3-0
Neuroethology
Examination of the neural basis of behaviour. Insights into the neuronal organisation 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 453 Units: 1.5 Hours: 3-0
Stress Physiology of Plants
An advanced study of the physiological responses of plants to temperature extremes, drought, salinity, radiation stress, and air pollution.
Pre- or corequisites: 366.

BIOL 455 Units: 1.5 Hours: 3-0
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 specialization; 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 Hours: 3-0
Plant Biochemistry and Biochemical Ecology
An introduction to plant biochemistry, plant metabolism, and the biochemical basis of plant adaptation, with emphasis on plant-specific biochemical pathways and processes, and their regulation and molecular biology. Storage carbohydrates, cell wall biosynthesis, lipid metabolism, nitrogen fixation and assimilation, and photosynthesis; biochemical ecology of secondary plant metabolites including isoprenoids, phenolics and alkaloids.
Note: Not open to students with credit in 490A in this topic.
Prerequisites: BIOL 200, BIOL 300 or 300A or 300B is recommended.

BIOL 460 Units: 1.0
Honours Seminar
Participation in seminars as arranged by the department and the Honours Coordinator. Required of all Honours students in their fourth year of studies, as an addition to the normal 15 units.
Grading: COM, N, 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: 225, 230, 360.

BIOL 490A Units: 1.5
Directed Studies and Research in Botany
Departmental permission may be given for supervised research projects, individual study, or directed readings.
Note: BIOL 490A-G may be taken more than once, normally to a maximum of 3 units.
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.
Grading: INC; letter grade.

BIOL 490B Units: 1.5
Directed Studies and Research in Ecology
Departmental permission may be given for supervised research projects, individual study, or directed readings.
Note: BIOL 490A-G may be taken more than once, normally to a maximum of 3 units.
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.
Grading: INC; letter grade.

BIOL 490D Units: 1.5
Directed Studies and Research in Marine Biology
Departmental permission may be given for supervised research projects, individual study, or directed readings.
Note: BIOL 490A-G may be taken more than once, normally to a maximum of 3 units.
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.
Grading: INC; letter grade.

BIOL 490E Units: 1.5
Directed Studies and Research in Zoology
Departmental permission may be given for supervised research projects, individual study, or directed readings.
Note: BIOL 490A-G may be taken more than once, normally to a maximum of 3 units.
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.
Grading: INC; letter grade.

BIOL 490F Units: 1.5
Directed Studies and Research in Cell and Molecular Biology
Departmental permission may be given for supervised research projects, individual study, or directed readings.
Note: BIOL 490A-G may be taken more than once, normally to a maximum of 3 units.
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.
Grading: INC; letter grade.

BIOL 490G Units: 1.5
Directed Studies and Research in Evolution
Departmental permission may be given for supervised research projects, individual study, or directed readings.
Note: BIOL 490A-G may be taken more than once, normally to a maximum of 3 units.
Prerequisites: Cumulative GPA of 5.0 on last 15 units of course work and fourth-year standing.
Grading: INC; letter grade.

BIOL 499 Units: 3.0
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).

CENG 241 Units: 1.5 Hours: 3-3
Formerly: 290
Digital Design: I
Boolean algebra, canonical expressions, logic gates and their physical realization. Fan-in and fan-out, timing, rise and fall times, delay. Combinational circuits minimization (Karnaugh map, Quine-McCluskey, Tools-Expresso, others). Standard circuits - adders, multiplexers, demultiplexers, etc. Memory elements, flip-flops, State transition diagrams, Mealy-Moore finite state machines. State assignment and machine realization, counters. Introduction to Verilog and its use to design combinational and sequential circuits. Advanced topics to include design with PLDs, PLAs, FPGAs.

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 cryptogrophy. 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 241, 290.

Prerequisites: 2nd year standing.

CENG 255 Units: 1.5 Hours: 3-1.5
Also: CSC 230
Introduction to Computer Architecture
The architecture of computer systems including concepts such as CPU, memory, buses, I/O, cache, instruction sets, interrupt processing, pipelining, performance. Families of processors, CISC, RISC. Memory organization and management (including virtual memory, protection, segmentation and paging). Computer arithmetic. The use of assemblers, linkers and loaders. Assembly language programming and its interface with a high level language (C).

Note: Credit will be granted for only one of 255 and CSC 230.

Prerequisites: CSC 115 or 160.

CENG 355 Units: 1.5 Hours: 3-1.5
Microprocessor-Based Systems
Processor organization: general-purpose and application-specific processors, datapath and control implementation, pipelining concepts. Memory organization: static and dynamic semiconductor memory, optical and magnetic memory, memory hierarchy and caches. I/O organization: physical and logic interfaces, interrupts and interrupt service routines, direct memory access (DMA), device drivers. Buses and protocols; bus signalling and arbitration, examples of modern buses, communications protocol concepts. Computer networking: network topologies, protocol stack, examples of modern networks.

Prerequisites: 255, or CSC 230, or MECH 405.

CENG 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 CSC 421 without permission of the Chair or Director responsible for the student's degree program.

Prerequisites: Fourth-year standing in the Faculty.

CENG 421 Units: 1.5 Hours: 3-0
Computer Vision
Overview of the main concepts and methods in computer vision; geometry and physics of imaging, as related to image formation and image acquisition; low-level methods of image analysis, such as filtering, edge detection, feature detection, and segmentation; methods for extracting and representing three-dimensional scene information; visual pattern recognition; motion analysis and algorithms for video understanding.

Prerequisites: ELEC 310 and fourth-year standing.

CENG 441 Units: 1.5 Hours: 3-1.5
Design of Digital and VLSI Systems

Note: Credit will be granted for only one of 441, 440, or 441, 465.

Prerequisites: 241 or 290, and fourth-year standing.

CENG 442 Units: 1.5 Hours: 3-3
Digital Integrated Circuits
Silicon logic: logic design with MOSFET, CMOS, BiCMOS: physical structure, physical design, fabrication. Logic-electronic interface: characteristics of MOSFETS, 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, and fourth-year standing.

CENG 445 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 Lab course for working. 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: 365 or CSC 355, and fourth-year standing.

CENG 450 Units: 1.5 Hours: 3-0
Parallel and Cluster Computing
Overview of massively parallel and cluster computers. Processors (shared memory versus message passing). Processes and threads. Standard algorithms utilizing parallelism. Matrix and vector operations, N-body problems, collective communica-
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 on-line quizzes taken upon completion of the activities of each unit.

It is strongly recommended that students take this course prior to registering in 101, or take a reduced course load if taking 091 and 101 simultaneously. Students without Chemistry 12 require this course (and CHEM 101 or CHEM 150) for entry to CHEM 102.

Note: 0.5 fee unit.
Prerequisites: Mathematics 12 and Chemistry 11 or their equivalents.
Grading: COM, N or F.

CHEM 101 Units: 1.5 Hours: 3-0
Fundamentals of Chemistry: I
Introduction to the modern theory of atomic structure and its relation to chemical bonding. Introduction to organic chemistry. Laboratory emphasizes skills typically needed in a scientific environment including observing, recording and discussing experimental data. Basic chemical techniques are introduced using a variety of different types of experiments.

Notes: - Credit will be granted for only one of 101, 100, 124, 140, 150.
- Students without Chemistry 12 must also enroll in 091 if they wish to take CHEM 102.
Prerequisites: Mathematics 12 and Chemistry 11 or 12 or their equivalents.

CHEM 102 Units: 1.5 Hours: 3-0
Fundamentals of Chemistry: II
Basic physical and inorganic chemistry including thermodynamics; states of matter, descriptive chemistry of the main group elements. Laboratory builds on the experience of CHEM 101, with practice in developing routine skills. Continued emphasis is given to reporting data accurately.

Prerequisites: Chemistry 12 or CHEM 091, 101 or 150.

CHEM 150 Units: 1.5 Hours: 3-0
Engineering Chemistry
Thermochemistry; atomic and molecular structure; chemical bonding; gases, liquids, and solids; solutions and phase equilibria; equilibrium; chemical thermodynamics; electrochemistry.

Note: Credit will be granted for only one of 150, 100, 101.
Prerequisites: Admission to BENG or BSENG program, Mathematics 12 and Chemistry 11 or their equivalents; Chemistry 12 is recommended.

CHEM 212 Units: 1.5 Hours: 3-4
Formerly: 312
Introductory Quantitative Analysis
Introduction to the basis of quantitative analytical chemistry, treatment of data and chemical equilibrium. Sampling technique, data analysis. Analytical applications of chemical separations, potentiometry, ultraviolet/visible spectroscopy, titrimetry.

Note: Credit will be granted for only one of 212, 312.
Prerequisites: 102.

CHEM 213 Units: 1.5 Hours: 3-4
Practical Spectroscopy
Elementary theory and applications of infrared, UV-visible, mass, and nuclear magnetic resonance spectroscopy to inorganic and organic compounds.

Prerequisites: 102
Pre- or corequisites: 231

CHEM 222 Units: 1.5 Hours: 3-4
Introduction to Inorganic Chemistry
Fundamental concepts of inorganic chemistry, with emphasis on periodicity, structure, bonding and reactivity; principles will be illustrated using the chemistry of selected groups of elements.

Prerequisites: 102

CHEM 231 Units: 1.5 Hours: 3-0
Introductory Organic Chemistry
Functional group survey; alkanes, cycloalkanes, conformational analysis; stereochemistry; nucleophilic substitution, elimination, amines, alkenes, aldehydes, 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, amino 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; carboxylic acids; alcohols.

Notes: - Credit will be granted for only one of 235, 236
- 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 213 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: MATH 100 or 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.

CHEM 302 Units: 1.5 Hours: 3-0
Industrial Chemistry with Special Reference to Water 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.

Notes: - Credit will be granted for only one of 302, 306, 478.
This course is primarily designed for students who are not majoring in Chemistry.
- This course requires familiarity with stoichiometry calculations, including the concepts of limiting reactant, yield, and concentration; and with calculations involving the ideal gas law and heats of reaction; and with the concepts of energy and power.
Prerequisites: 102

CHEM 303 Units: 1.5 Hours: 3-0
Industrial Chemistry with Special Reference to Air Pollution
Chemical principles used in the petroleum production and refining, petrochemical, pulp and paper, and fermentation industries. Emission problems and their control, by-product utilization and waste disposal into soil, water and air. Assimilatory capacities, eutrophication, and natural and manmade control and recovery procedures for water pollutants.

Notes: - Credit will be granted for only one of 303, 306, 478.
This course is primarily designed for students who are not majoring in Chemistry.
- This course requires familiarity with stoichiometry calculations, including the concepts of limiting reactant, yield, and concentration; and with calculations involving the ideal gas law and heats of reaction; and with the concepts of energy and power.
Prerequisites: 231

CHEM 318 Units: 1.5 Hours: 3-0
Instrumental Techniques of Analysis
Theory and applications of the most generally applied methods of chemical analysis such as infrared, raman and emission spectroscopy, polarography, high performance liquid chromatography, radiochemical analysis etc.

Prerequisites: 212 or 312, 213.

CHEM 324 Units: 1.5 Hours: 3-0
Introduction to Transition Metal Chemistry
Introduction to transition metal and coordination chemistry. Electronic structure of transition metal complexes (crystal and ligand field theory), Chemistry of the first row transition elements from titanium to zinc.

Prerequisites: 213 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
Formerly: 446
Quantum Chemistry
Introduction to quantum chemistry, molecular orbitals and bonding. The Schrödinger equation and its solutions for some simple systems. Wavefunctions, one-electron and 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 be based on expertise acquired in CHEM 212, with greater emphasis on instrumental analysis 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.

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 the structure of synthesized materials; analysis of synthesized compounds will be shown to relate structure with reactivity and stereoelectivity. Students should observe 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: 245
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, insect and plant hormones), foods (carbohydrates, fats, vitamins and additives), drugs (antacids, analgesics, steroids, anti-AIDS agents, hallucinogens), and other compounds useful in medicine. Discussions will centre around how and why the chemicals work, and advantages and disadvantages of their application.
Prerequisites: 222 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 allyls and allys, metal carbonyls and pi-bonded organic liquids such as alkenes, alkynes, allyls, and arenes. Applications of organometallic complexes in organic synthesis and industrial catalysis.
Prerequisites: 324.

CHEM 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 row elements. Topics related to the chemistry of heavy metals such as metal-metal and metal-ligand multiple bonding, organometallic chemistry and metal cluster formation; special topics chosen from areas of current research interest.
Prerequisites: 324.
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  
**Fourth Year Laboratory**  
Advanced laboratories in chemistry. Students may choose two components from optional courses 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  
**Fourth Year Laboratory**  
Advanced laboratories in chemistry. Students must choose the two 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  
**Organic Photochemistry/Reactive Intermediates**  
Introduction to organic photochemistry and photophysics. Reactivity and mechanisms of organic functional groups on electronic excitation. Structure and reactivity of reactive intermediates such as radicals, biradicals, carbones, nitrenes, carbocations, and carbanions. Fast kinetic methods for study of the above topics will be emphasized.

**Prerequisites:** 352.

**CHEM 475** Units: 1.5  
**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  
**Introductory Polymer Chemistry**  
Kinetics and mechanisms of polymer and copolymer synthesis, characterization of polymers and molecular weight distributions. Thermodynamics of polymer solutions, the crystalline and amorphous states, rubber elasticity, structure-property relationships. Special topics in polymer materials.

**Note:** Credit will be granted for only one of 476, 336.

**Prerequisites:** 245

**CHEM 477** Units: 1.5  
**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  
**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.

**Prerequisites:** 306

**CHEM 480** Units: 1.5  
**Chemical Applications of Group Theory**  
Properties of a group; symmetry operations and symmetry elements; molecular symmetry groups; representations and characters; symmetry classification of molecular vibrations; hybrid orbitals; ligand field theory; molecular orbitals; selection rules; Woodward Hoffman rules.

**Prerequisites:** 353.

**CHEM 490** Units: 1.5  
**Directed Studies in Chemistry**  
In special cases the department of Chemistry may give permission for individual studies and directed readings to be taken as 490. Students should consult a potential supervisor before requesting permission from the Chair to register.

**Note:** CHEM 490 may be repeated for credit in different areas.

**CHEM 498** Units: 1.5  
**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: 3.0  
**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 149** Units: 3.0  
**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: 3.0  
**Intensive Chinese:** 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. The content of 150 is comparable to that of 200A and 200B.

**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  
**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, 201B. No knowledge of Chinese language is required.

**CHIN 201B** Units: 1.5  
**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 201A, 201B.

**CHIN 220** Units: 1.5  
**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 non-native speakers. Limited to 35 students per section.

**Prerequisites:** 201A or permission of the department.

**CHIN 249A** Units: 1.5  
**Intermediate Modern Chinese**  
A sequel to 150 or 200/A. 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 249A, 249, 281, 300. Not open to native speakers. Limited to 25 students per section.

**Prerequisites:** Normally a minimum final grade of B in 150 or 200/A (or 200) or equivalent.
CHIN 249B  Units: 1.5  Hours: 3-1  
Formerly: half of 249 and 300  
Intermediate Modern Chinese II  
A continuation of 249A, with increasing emphasis placed on acquiring new vocabulary and developing reading skills. Students will also have the opportunity to make more advanced classroom presentations and present longer written assignments in Chinese.  
Note: Credit will be granted for only one of 249B, 249, 300. Not open to native speakers. Limited to 25 students per section.  
Prerequisites: Normally a minimum final grade of B in 249A.

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 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 derive 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 exposure written at the turn of the century, through the short stories of the May Fourth period, to works of drama and novel 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 period of communist rule and covering such important issues as the social position of women, land ownership, modernization of industry, and the treatment of intellectuals. The course will be taught in English.  
Prerequisites: Second-year standing or permission of the instructor.

CHIN 307  Units: 1.5  Hours: 3-0  
Contemporary Chinese Literature and Culture  
A thorough study of a small number of works of fiction, drama and of film from the end of the twentieth century and the beginning of the twenty-first; or a study of one major figure and his/her creations. The course will be taught in English, with readings available in Chinese and 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 Mencius.  
Prerequisites: Non-native speakers: 249A, 249B, (or 249 or 300), or a minimum grade of A- in 150 or 200A/B. Open to native speakers without prerequisite.

CHIN 320  Units: 1.5  Hours: 3-0  
Intermediate Mandarin For Speakers of Other Chinese Languages  
A sequel to 249A. Reading of materials in Modern 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 324  Units: 1.5  Hours: 3-0  
Topics in Contemporary Chinese Cinema  
An exploration of special topics in contemporary films from China, Hong Kong, and Taiwan. The topics and films covered will vary from year to year, and may include: social criticisms; gender issues; depictions of private/public space/contested space; auteurism in Chinese cinema; development within a particular genre or a given director's oeuvre (e.g. Hou Hsiao-hsien, Wong Kar-wai, and Ang Lee).  
Prerequisites: Second-year standing or permission of the instructor.

CHIN 325  Units: 1.5  Hours: 3-0  
Screening the Nation: Nationalism, Ideology, and Politics in Chinese Cinema  
This course will provide a theoretical and thematic framework for the analysis of films from Mainland China from the 1930s to the present. It will explore the ways in which film, as an art form and a powerful form of social discourse, constructs, challenges, and re-invents the “nation” and national/cultural/individual identities in the context of modern Chinese history, and the changes in aesthetic style, technique, and the apparatus of filmmaking in China.  
Prerequisites: Second-year standing or permission of the instructor.

CHIN 349A  Units: 1.5  Hours: 3-0  
Formerly: half of 349A and 400  
Advanced Readings in Modern Chinese I  
A sequel to 249B. 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 349A, 349, 400. Not open to native speakers. Limited to 25 students per section.  
Prerequisites: Normally a minimum final grade of B in 249B (or 249 or 300) or equivalent.  
CHIN 349B  Units: 1.5  Hours: 3-0  
Formerly: half of 349A and 400  
Advanced Readings in Modern Chinese II  
A continuation of 349A. In addition to studying the class textbooks, students will be exposed to written Chinese in a number of styles drawn from newspapers, journals and books from Mainland China and Taiwan, and selected internet sites.  
Note: Credit will be granted for only one of 249B, 349, 400. Not open to native speakers. Limited to 25 students per section.  
Prerequisites: Normally a minimum final grade of B in 349A (or 349 or 400) or equivalent.

CHIN 420  Units: 3.0  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 3.0  
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 3.0  
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 3.0  
Directed Studies  
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), 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, 390.

COM 205  Units: 0  Hours: 3-0
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: 3.0  Hours: 3-0
Business English and Communications - Level I
Development and enhancement of skills in written business communication, oral business communication, and non-verbal communication. Students will learn how to develop efficient use of verbal and non-verbal skills in business situations; be able to use language to convey specific messages to intended audiences; develop and use techniques for information management.
Note: Open only to International students and 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: 1.5  Hours: 3-0
Business English and Communications - Level II
Development and enhancement of skills in written business communication, oral business communication, and non-verbal communication. Students will learn how to develop efficient use of verbal and non-verbal skills in business situations; be able to use language to convey specific messages to intended 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  Hours: 3-0
Business English and Communications - Level III
Development and enhancement of skills in written business communication, oral business communication, and non-verbal communication. Students will learn how to develop efficient use of verbal and non-verbal skills in business situations; be able to use language to convey specific messages to intended audiences; develop and use techniques for information management. Concentration is on pronunciation, building vocabulary and comprehension of complex literature.
Note: Open only to International students and 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 behavioural concepts and tools that will assist the manager in both understanding behaviour in organizations and improving organizational effectiveness. Topics include individual motivation, perception and communication, managerial roles, schools of management theory, group processes and team work, leadership, supervision, and introduction to organizational structures, 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 trade-offs, diversification, capital market efficiency, and an introduction to international finance issues.
Note: Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. Credit will not be granted toward the Bachelor of Commerce program. Not available for supplemental.
Pre- or corequisites: 202 or 253 or 270 and second-year standing.

COM 250  Units: 1.5  Hours: 3-0
Fundamentals of Marketing
Product design and management, distribution channels, and marketing communications are examined as key elements of the marketing mix. Consumer buyer behaviour, sales force management, and marketing research are other topics to be reviewed.
Note: Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. Credit will not be granted toward the Bachelor of Commerce program. Not available for supplemental.
Prerequisites: Second-year standing.

COM 270  Units: 1.5  Hours: 3-0
Financial and Management Accounting For Specialists
Introduction to the construction and interpretation of financial statements and the development and use of accounting information for management planning and control, including the development of cost information.
Note: Credit will be granted for only one of 270 or 210. Not open to BCom students; not intended for students seeking entry to Bachelor of Commerce program. Credit will not be granted toward the Bachelor of Commerce program. Not available for supplemental.
Prerequisites: Second-year standing.

COM 290  Units: 1.5  Hours: 3-0
Introduction to Canadian Business
An overview of the Canadian business system - 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.

COM 302  Units: 1.5  Hours: 3-0
Business Law
This course examines a number of legal principles that affect businesses and other organizations (e.g., nonprofit organizations) in our society. Course topics will include the law of tort, contract, 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: - Second-year standing.

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.

COM 316  Units: 1.5  Hours: 3-0
Management Accounting
This course presents an introduction to the management accounting tools and models available to managers for use in their planning, controlling, and global decision-making functions. Topics include the behavior 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.

COM 321  Units: 1.5  Hours: 3-0
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.

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.

COM 331  Units: 1.5  Hours: 3-0
Introduction to Management Information Systems
The use of computer-based information systems in achieving the information objectives of the organization. Fundamentals of hardware, software, networks, electronic commerce and business applications. Focus is on the responsible use of information systems and technology to support business strategy, operations and decision making. Includes use of, but does not include instruction in, computer-based productivity tools.
Prerequisites: Restricted to students admitted to the BCom Program.

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.

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.

COM 361 Units: 1.5 Hours: 3-0
International Business
This course focuses on key aspects of doing business globally, including: the forces of globalization; how business conditions and practices differ from country to country; free trade and protectionism; exporting; licensing, and foreign direct investment; exchange rates and the complications that arise when dealing with multiple currencies; and strategic and organizational issues for firms operating in international markets.

Prerequisites: Restricted to students admitted to the BCom Program.

COM 362 Units: 1.5 Hours: 3-0
Formerly: 305 and part of 361 (prior to 2006W Session)
Decision Making for Responsible and Sustainable Global Business
Managers face new demands from the complex, rapidly changing business environment. With the important relationship between business and society, managers must be prepared to deal innovatively and effectively with the changing global business environment's challenges. Using various media and methods, the course explores how business and societies interact; the interactions' social, economic, political, technological, ethical and ecological dimensions; and the role of innovation and rational and creative decision making in dealing with these managerial and organizational challenges.

Note: Credit will be given for either 362 or (305 and 361, if 361 was taken prior to the 2006 Winter Session).

Prerequisites: Restricted to students admitted to the BCom Program.

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.

COM 390 Units: 1.5 Hours: 3-0
Canadian Business Environment
An examination of the cultural, economic, geographi- cal, historical, legal, and political factors influencing the environment of doing business in Canada.

Note: Credit will be granted for only one of 590, 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.

COM 402 Units: 1.5 Hours: 3-0
Legal Issues in Management
This course examines several aspects of commercial law that are particularly relevant to those who own, manage, or are employed by a business enterprise. Subjects that will be addressed include common law doctrines (such as contract and negligence), legislation (such as the Employment Standards Act and the Company Act) and other legal principles that affect business decision making in a global environment.

Note: Credit will be granted for only one of 402, 302.

Prerequisites: All third year commerce core or permission of BCom Director.

COM 410 Units: 1.5 Hours: 3-0
Leadership Strategies
An examination of leadership in a variety of environments: corporate, the military, and the public sector. The objective of the course is to identify the characteristics of a leader and inspect an interest in and awareness of this vital organizational skill. Course content includes a review of leadership research from a historical perspective as well as current theory on transformational leadership. Experiential exercises, case studies and role playing techniques are employed to demonstrate leadership skills.

Prerequisites: 220 or 321 and fourth-year standing or permission of Program Director.

COM 415 Units: 1.5 Hours: 3-0
Business and the Internet
Business is going global, and traditional markets are rapidly giving way to the electronic marketplace. This course combines hands-on experience creating an Internet presence for an existing organization with a historical perspective as well as current theory on transformational leadership. Experiential exercises, case studies and role playing techniques are employed to demonstrate leadership skills.

Prerequisites: 220 or 321 and fourth-year standing or permission of Program Director.

COM 420 Units: 1.5 Hours: 3-0
Industrial Relations
An overview of the employment relationship and the labor relations process in unionized settings. The development of the Canadian Labour Movement, functions of trade unions, labour legislation, interests and rights disputes, and dispute resolutions are examined.

Prerequisites: 220 and 310; or 321 and 322 and fourth-year standing.

COM 430 Units: 1.5 Hours: 3-0
Marketing Strategy
Analysis of marketing problems and opportunities and the determination and implementation of market- ing plans. Core concepts will be reinforced by such methods as case studies, field projects, and/or a computer simulation where students manage the marketing function of a business in a competitive environment.

Prerequisites: 250 or 351 and fourth-year standing or permission of 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 deci- sion-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 410 taken prior to 2001, 440.

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
Select Topics in Management
The course content will reflect the interests of the faculty members and current issues in business and industry. Topics may include non-traditional forms of work organizations, leadership, organizational development, and development of managerial skills.

Note: May be taken more than once to a maximum of 6 units with 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.
COURSE LISTINGS

Prerequisites: 220 and 300; or 321 and 322 and fourth-year standing.

COM 460  
Managing in Diverse Environments  
Conducted overseas as part of INTEP. An examination in an overseas setting of the development and trends in various business practices.
Prerequisites: Participation in International Exchange Program.
Grading: INP, N, F, letter grade.

COM 470  
Business Research  
Business research project for students participating in INTEP. While overseas on exchange, students will conduct a research project on a specific business and management topic related to the country they are visiting. Projects must be planned and approved by the instructor prior to departure. Upon return, a written report is required.
Prerequisites: Participation in International Exchange Program.
Grading: INP, N, F, letter grade.

COM 480  
International Study  
Conducted overseas as part of INTEP. An overseas immersion in cultural orientation, cultural sensitivity, on-site company visits with intensive foreign language training.
Note: May be taken more than once to a maximum of 4.5 units with the permission of the BCom Program Director.
Prerequisites: Participation in International Exchange Program.
Grading: INP, N, F, letter grade.

COM 490  
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  
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  
Formerly: IB 410, 499, ENT 499, HOS 499  
International Management and Environment  
Conducted overseas as part of INTEP. Provides students with an opportunity to understand how a country’s unique cultural, economic, geographical, historical, legal and political environments affect the way business is done in that country.
Note: Credit will be granted for only one of 499, IB 410, IB 499, ENT 499, TRM 499, HOS 499.
Prerequisites: Participation in International Exchange Program.

Grading: INP, N, F, or letter grade.

CS

Canadian Studies  
Diploma Program in Canadian Studies Interdisciplinary Programs

CS 001  
Introduction to the Place: the Geography and History of Canada  
This non-credit course must be taken by all students in the Program prior to 100A and 100B.
Grading: COM/INC.

CS 101  
Formerly: CS 100A  
Introduction to Canadian Culture  
An introduction to the multidisciplinary study of cultural structures and expressions in Canada, including such forms as literature, the fine arts, mass media, and communications.
Note: Credit will be given for only one of 101, 100A. A required course for the Diploma/Certificate programs in Canadian Studies for International Students. Priority is given to students in the Diploma and Certificate Programs in Canadian Studies.

CS 102  
Formerly: CS 100B  
Introduction to Canadian Contemporary Issues  
An introduction to contemporary issues in Canadian society including politics, economic and social structures, cultural and arts policy, science and technology, multiculturalism, bilingualism, First Nations, and women’s issues.
Note: Credit will be given for only one of 102, 100B. A required course for the Diploma/Certificate programs in Canadian Studies for International Students. Priority is given to students in the Diploma and Certificate Programs in Canadian Studies.

CS 200  
Special Project Seminar  
Required of Diploma students; priority is given to students in the Diploma and Certificate Programs in Canadian Studies.
Prerequisites: Second-year standing or permission of the Chair of the Program Steering Committee.

CSC

Computer Science  
Department of Computer Science  
Faculty of Engineering  
Courses offered by the Faculty of Engineering are also found under the following course codes: CENG (Computer Engineering), ENGR (Engineering), MECH (Mechanical Engineering) and SENG (Software Engineering).

CSC 100  
Elementary Computing  
An introduction to computing for the nonspecialist. Topics covered include the basic structure of a digital computer system; applications of computers in the home, office and industry; and implications of computers for society. Hands-on experience with a microcomputer and the use of some practical software packages are given.
Notes: - Not open to students registered in or with credit in any of CSC 105, 110, 112, 212. Normally not open to students with credit in Computer Studies 11.

CSC 105  
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, computer 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.

CSC 110  
Fundamentals of Programming: I  
Introduction to designing, implementing, and understanding computer programs using an object-oriented programming language. Topics include an introduction to computing and problem solving, selection and iteration, arrays and collections, objects and classes, top-down design and incremental development.
Note: Credit will be granted for only one of 110 and 111.
Prerequisites: Mathematics 12.

CSC 111  
Fundamentals of Programming with Engineering Applications  
Fundamentals of computer programming with real-world engineering examples using an imperative programming language. Topics include variables, data types, statements, control structures, functions, parameter passing mechanisms, expressions, data structures, files, pointers, storage allocation, elementary searching and sorting, recursion, encapsulation, modularity, incremental development, testing, and debugging.
Note: Credit will be granted for only one of 110 and 111.
Prerequisites: Mathematics 12.

CSC 115  
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 or 111.

CSC 160  
Fundamentals of Programming: II For Engineers  
Techniques, methods, and tools for systematic development and maintenance of software systems and
Computers in Science

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.

CSC 225 Units: 1.5 Hours: 3-1
Algorithms and Data Structures: I

CSC 230 Units: 1.5 Hours: 3-1.5
Introduction to Computer Architecture
The architecture of computer systems including concepts such as CPU, memory, buses, I/O, cache, instruction sets, interrupt processing, pipelining, performance. Familiarity of processors, CISC, RISC. Memory organization and management (including virtual memory, protection, segmentation and paging). Computer arithmetic. The use of assemblers, linkers and loaders. Assembly language programming and its interface with a high-level language (C).

Also: CENG 255

CSC 242 Units: 1.5 Hours: 3-1
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.

CSC 305 Units: 1.5 Hours: 3-1
Formerly: 405
Introduction to Computer Graphics
Introduction to computer graphics. Principles of raster image generation. Example of a graphics API. Graphs primitives, data structures. Coordinate systems, affine transformations and viewing of graphical objects. Introduction to rendering including shading models and ray tracing. Introduction to modeling including polygon meshes, subdivision, and parametric curves and surfaces, color.

CSC 320 Units: 1.5 Hours: 3-0.5
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.

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.

CSC 326 Units: 1.5 Hours: 3-0
Algorithms and Data Structures: II

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.

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.

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.

CSC 349B Units: 1.5 Hours: 3-0
Numerical Analysis: II

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, lookahead and parallelism, memory hierarchy, control unit and microprogramming, input output devices, case studies of some recent micro, mini, and mainframe computers.

CSC 355 Units: 1.5 Hours: 3-2
Formerly: 250
Digital Logic and Computer Organization
Fundamentals of logic design, computer organization and hardware components of computers and embedded systems and the development of a structured design methodology. The use of ASIC and field programmable devices. An introduction to Hardware Description Languages and their implementation, finite state machines, the use of CAD algorithms and tools for system design, and the testing of digital systems. Topics include Boolean algebra, combinational and sequential circuits, memory organization, buses and arithmetic units, basic microprocessor design.

Note: Credit will be granted for only one of 355, 250.

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 techniques, cpu scheduling, deadlocks, memory management, file systems and protection.

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 in-
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Hours</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 255</td>
<td>Computer Communications and Networks</td>
<td>1.5</td>
<td>3-3</td>
<td>Formerly: 420</td>
<td>Formerly: 420 unless permission is granted by the Chair of Computer Science.</td>
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<tr>
<td></td>
<td>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.</td>
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<td>Note: Can only be taken by 460.</td>
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<tr>
<td>CSC 265</td>
<td>Computational Geometry</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
<td>Prerequisites: 225 and fourth-year standing.</td>
</tr>
<tr>
<td>CSC 375</td>
<td>Introduction to Systems Analysis</td>
<td>1.5</td>
<td>3-0</td>
<td>The methods and methodologies used in analyzing and designing various types of systems. Topics will include the following: project definition; CASE tools; data gathering; structured analysis and design; man-machine interface; database design; system controls; hardware selection; and system testing, implementation and operation. Students will be assigned to a project team involved in a system study as part of the course.</td>
<td>Note: HINF 140 may be taken as a corequisite. Prerequisites: 212, and either 265 or SENG 265; or HINF 172, and either 140 or 240.</td>
</tr>
<tr>
<td>CSC 390</td>
<td>CSC Exchange Term</td>
<td>6.0-7.5</td>
<td></td>
<td>Where the department has entered into an exchange agreement with another Department in Canada or elsewhere, students may register in this course for up to 7.5 units per term towards their degree at the University of Victoria. The terms and conditions of a student’s 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 department.</td>
<td>Note: Permission of the Chair is required. This course can be taken twice. Grading: COM or F.</td>
</tr>
<tr>
<td>CSC 421</td>
<td>Introduction to Artificial Intelligence</td>
<td>1.5</td>
<td>3-0</td>
<td>An introduction to the basic concepts and techniques of Artificial Intelligence. The main successes and challenges throughout history will be covered. Topics include heuristics, searching, rule based programming (in Lisp and/or Prolog), knowledge representation in standard and nonstandard logics, neural networks and feature spaces. Applications to game playing, natural language processing, and recognition/classification.</td>
<td>Note: Credit will be granted for only one of 445, 449A, or 449B.</td>
</tr>
<tr>
<td>CSC 425</td>
<td>Analysis of Algorithms</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
<td>Note: Credit will be granted for only one of 425, 420, or SENG 265.</td>
</tr>
<tr>
<td>CSC 428</td>
<td>Computational Biology Algorithms</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
<td>Prerequisites: 225 and fourth-year standing.</td>
</tr>
<tr>
<td>CSC 429</td>
<td>Cryptography</td>
<td>1.5</td>
<td>3-0</td>
<td>Fundamentals of modern cryptography. Topics include: review of classical and information-theoretic cryptography; block ciphers, DES, cryptanalysis of DES, modes of operation, AES; cryptographic hash functions and message authentication codes; public key cryptography, RSA, ElGamal and other public key systems, signature schemes; introduction to security protocols.</td>
<td>Prerequisites: 320.</td>
</tr>
<tr>
<td>CSC 435</td>
<td>Compiler Construction</td>
<td>1.5</td>
<td>3-1</td>
<td>Compilation, including: lexical analysis, syntax analysis, semantic analysis, code optimization, and simple code generation. Students will implement a compiler for a simple language.</td>
<td>Prerequisites: 225, 320 and 330.</td>
</tr>
<tr>
<td>CSC 445</td>
<td>Operations Research: Linear Programming</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
<td>Prerequisites: 449A, or fourth-year standing and a minimum grade of B in 340.</td>
</tr>
<tr>
<td>CSC 446</td>
<td>Operations Research: Simulation</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: 448B</td>
<td>Formerly: 448B unless permission is granted by the Chair of Computer Science.</td>
</tr>
<tr>
<td>CSC 449</td>
<td>Numerical Linear Algebra</td>
<td>1.5</td>
<td>3-0</td>
<td>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.</td>
<td>Prerequisites: 349B.</td>
</tr>
<tr>
<td>CSC 450</td>
<td>Computer Communications and Networks</td>
<td>1.5</td>
<td>3-3</td>
<td>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.</td>
<td>Prerequisites: 225 and fourth-year standing.</td>
</tr>
</tbody>
</table>

Note: Credit will be granted for only one of 450, CENG 460.  
Prerequisites: 250 or 355, and 360.  

CSC 454 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 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 385.  

CSC 461 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.  

CSC 462 Distributed Computing  
Prerequisites: 360 and a minimum grade of B in 450 or CENG 460.  

CSC 464 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 Topics in Algorithms  
The topics in this course depend primarily on the interests of the instructor. Enrollment in 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 3.0
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: Fourth-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.

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 as 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 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.

2007-08 UVIC CALENDAR

CVC 131 Units: 1.5
Child and Youth Care Practice in Aboriginal Settings
This professional practice course provides structured opportunities for learners to identify, visit and examine examples of child and youth care practice in their local and within their own cultural frame of reference. They will identify, describe and explore the significance of various forms of practice within the field. Students will identify mentors in their local network and do a survey of relevant services and sites in their community.

CVC 132 Units: 1.5
Aboriginal Leadership in Child and Youth Care
This online course develops the learner’s understandings of various forms of leadership that can contribute to achieving Aboriginal goals for children, youth, families and their communities. Learners will study historical and contemporary Aboriginal leaders in fields related to children and youth with an emphasis on strategies, attributes, skills and achievements within their own cultural frame of reference and in broader contexts. Learners will conceptualize their own career development as emerging leaders in the field of child and youth care.

CVC 152 Units: 1.5
Introduction to Helping Skills in Child and Youth Care Practice
This course focuses on introducing foundational helping and communication skills. The students explore the use of interpersonal and communication skills, helping strategies, and the development of therapeutic relationships within the context of the core elements of child and youth care practice. Note: Credit will be granted for one of 152 or 252.

CVC 166A Units: 1.5
Lifespan Development (Conception to Late Childhood)
The objectives of this course are to introduce students to concepts and models of how human behaviour is acquired, maintained, and modified. The course focuses on human development from conception to late childhood as a knowledge base for practice with children, youth, and families. Note: Credit will be granted for one of 166A, 366A, 366B.

CVC 166B Units: 1.5
Lifespan Development (Adolescence to Late Adulthood)
The objectives of this course are to introduce students to concepts and models of how human behaviour is acquired, maintained, and modified. The course focuses on human development from adolescence to late adulthood as a knowledge base for practice with children, youth, and families. Note: Credit will be granted for one of 166B, 366B, 366B.

CVC 171 Units: 1.5
Introduction to Families: Issues, Patterns, and Processes
This course covers conceptual frameworks and theories for understanding a variety of family challenges and difficulties. The course takes an international perspective where issues related to parenting are compared and contrasted in terms of diversity (sexual orientation, ethnic affiliation/identity, gender, and socio-economic status). The ultimate goal of the course is to help students to understand the diversity and complexity of family issues, patterns and processes in local and international contexts.
COURSE LISTINGS

Note: Credit will be granted for one of 171, 373.

CYC 205 Units: 3.0 Hours: 3-0
Applying Change Theory in CYC Practice
This course introduces students to various orientations towards planned change. How change occurs and how helping professionals can facilitate such change is the main focus. By critically reflecting on fundamental assumptions embedded in certain theories students can learn to integrate and synthesize knowledge into their counselling perspectives.
Note: Credit will be granted for one of 205 or 301.
Prerequisites: Year 1 required CYC courses or equivalent.

CYC 210 Units: 3.0
Supervised Practicum I
This introductory course offers students the opportunity to practice their evolving CYC skills in an applied setting. Students work directly with children/youth in a supervised practice situation in order to promote professional skill acquisition and integrate the knowledge and skills learned in the classroom. Students are required to complete 150 hours.
Prerequisites: Year 1 required CYC courses or equivalent.

CYC 230 Units: 1.5
Introduction to CYC Practice in Relation to Aboriginal Contexts
This introductory course explores Aboriginal perspectives and contexts, both historical and contemporary, in relation to practice with Aboriginal children, youth, families and communities.
Prerequisites: Second-year standing or permission of the instructor.

CYC 240 Units: 1.5 Hours: 3-0
Formally: CYC 240
Ethical Decision Making in Child and Youth Care Practice
This course provides an introduction to historical theoretical perspectives in the western philosophy of ethics, an overview of decision-making models and current professional perspectives on ethics in Child and Youth Care/human service practice. It is taught using experiential learning and critical thinking strategies designed to develop personal approaches to ethical choice making and a commitment to ethical practice and social justice. Students will develop an ethical decision-making framework for application to their current and future practice.
Note: Credit will be granted for one of 240 or 340.
Prerequisites: Second-year standing.

CYC 250 Units: 1.5 Hours: 3-0
Introduction to Law in Child and Youth Care Contexts
This course provides 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 one of 250, 350A or SOCW 350A.
Prerequisites: Second-year standing or permission of the instructor.

CYC 260 Units: 0.5, 1.0, 1.5 or 3.0 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.

CYC 265 Units: 1.5 Hours: 3-0
Introduction to Group Work in Child and Youth Care Practice
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 participatory, skill building, experiential learning format.
Note: Credit will be granted for one of 265 or 465.
Prerequisites: Year 1 required CYC courses or equivalent.

CYC 266 Units: 1.5 Hours: 3-0
Child and Youth Care Practice with Families
This course focuses on the various kinds of strategies used when working with families in a variety of settings. Using a strengths-based approach, it covers interventions that promote positive ways of improving family patterns when difficulties are presented. Students will be introduced to a variety of interventions used to work collaboratively with family when changes are needed.
Note: Credit will be granted for one of 266 or 466.
Prerequisites: Year 1 required CYC courses completed or equivalent.

CYC 290 Units: 0.5, 1.0, 1.5 or 3.0
Directed Studies in Child and Youth Care
This course allows for research projects, additional course work or directed readings in a specified area.

CYC 300 Units: 4.5 Hours: 1-10
Supervised Practicum
Students work directly with children/youth in a supervised practice situation in order to promote professional skill acquisition and integration. Emphasis is placed on observation and recording skills, understanding the structure and functioning of a service agency, and fostering the student's awareness of his or her functioning in relation to children, youth and agency workers. Attention is also given to developing beginning level case planning, intervention, and case presentation skills with both a one-to-one and a group focus. Students are required to complete 286 hours.
Note: Restricted to Child and Youth Care students.

CYC 310 Units: 4.5
Supervised Practicum
Students work directly with children/youth in a supervised practice situation in order to promote professional skill acquisition and integration. Emphasis is placed on observation and recording skills, understanding the structure and functioning of a service agency, and fostering the student's awareness of his or her functioning in relation to children, youth and agency workers. Attention is also given to developing beginning level case planning, intervention, and case presentation skills with both a one-to-one and a group focus. Students are required to complete 286 hours.
Note: Restricted to Child and Youth Care students.

Pre-requisites: CYC 370 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 330 Units: 3.0 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 interrelationships between applied child development and a variety of contexts such as family, peer group, school, community, domestic and global conditions will also be explored.

Prerequisites: 3 units of Developmental Theory or equivalent.

CYC 350 Units: 1.5 Hours: 3-0
Formerly: CYC 350B
Applying Law in Child Protection and Child and Youth Care Practice
This course will provide an opportunity to put into practice the theoretical and legal foundation gained from the prerequisite course. Students will explore issues of diversity and the dynamics of law, Child and Youth Care practice in legal contexts, and ethical considerations within a legal framework. Students will practice specific skills in Child Protection work such as interviewing, documentation, context analysis, applying practice standards, interpreting law, critical analysis and reflective reviewing.
Note: Credit will be granted for one of 350 or 350B or SOCW 350B.
Prerequisites: CYC 250 or equivalent.

CYC 360 Units: 0.5, 1.0, 1.5 or 3.0 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 364 Units: 1.5
Disability and Child and Youth Care Practice
This course is an introduction to disabilities for child and youth care practitioners. It includes an historic perspective on disability, demographic definitions and conceptual models of disability and service delivery. Quality of life, inclusion, culture, legislation, public policy and ethical issues relating to persons with disabilities and their families are examined in this course.
Note: Credit will be granted for one of 364 or HSD 464.
Prerequisites: Second-year standing.

CYC 365 Units: 1.5 Hours: 3-0
Theory and Practice of the UN Convention on the Rights of the Child
Participants 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.
Practices for Young Children and Families:
Promoting Positive Outcomes in Children's
Child and Youth Care Practice

This course focuses on the skills necessary to working professionally with individuals and families: intake interviewing needs and risk assessment, intervention planning and implementation, case management and reporting. Knowledge and skill in issues of abuse and neglect will be developed. Students will be required to apply change theory in a laboratory setting and produce professional documentation of their work. Feedback on skill application is provided in class and through video recordings.

Note: Credit will be granted for one of 370 or 474.

Prerequisites: CYC 265 or equivalent.

CYC 370 Units: 1.5 Hours: 3-0
Applying Assessment and Case Planning in Child and Youth Care Practice

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 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 risk, opportunities, and change in their environments. 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 380 Units: 1.5 Hours: 3-0
Practices for Young Children and Families: Historical and Contemporary Perspectives

In this foundational course for the Early Years Specialization, the historical and philosophical trends that influence and shape services and policies for young children and their families will be examined. Students will investigate the roots of some of the current issues in the area of the early years through an applied analysis of local, national and international approaches to services and policies for young children and their families. This analysis will be framed within a social justice approach.

Prerequisites: Third-year standing.

CYC 381 Units: 1.5 Hours: 3-0
Leadership, Advocacy and Policy for the Early Years

This course explores leadership, advocacy and policy within the context of key political debates and controversies affecting early years services. Key areas of study will include: creation of networks and relationships with governmental and non-governmental organizations; roles of advocacy groups concerned with services and decision-making processes within particular social, cultural, economic and cultural contexts; policy development; and the role practitioners play as advocates engaged in a global context.

Prerequisites: Third-year standing.

CYC 389 Units: 0.5, 1.0, 1.5 or 3.0
Directed Studies in Child and Youth Care

Research projects, directed readings, or additional course work in a specified area.

Note: May be taken more than once for credit in different topics.

CYC 410 Units: 4.5 Hours: 1-10
Advanced Supervised Practicum

This supervised practicum focuses on the student's chosen professional area of interest and provides an opportunity to apply case planning, intervention, and evaluation skills at an advanced level. Professional consultation, clinical functioning, and the integration of theory and practice are emphasized. Students are required to complete 286 hours.

Note: Restricted to Child and Youth Care Students in their fourth year of study.

Prerequisites: Year 3 required CYC courses.

Corequisites: CYC 423, 424, 462, 463, 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.

Prerequisites: 301, 310, 338, 465, 466.

Corequisites: 474 and 475 or 476.

CYC 423 Units: 1.5 Hours: 3-0
Research Methods in Child and Youth Care

This course introduces students to the design of research and evaluation in child and youth care. Within an applied research practitioner context, students will be introduced to the knowledge and skills necessary to locate, understand, and use research about child and youth care. Students will examine research/design and methodology for improving child and youth care practice.

Prerequisites: Third-year standing.

CYC 424 Units: 1.5 Hours: 3-0
Qualitative and Quantitative Analysis in Child and Youth Care

This survey course provides students with a grounding in the techniques commonly used in the analysis of both quantitative and qualitative data in child and youth care as well as the logic of interpreting evaluation data. Students will learn to interpret, analyze, code, and write about qualitative data. They will analyze descriptive data to interpret relationships between variables and be introduced to inferential statistics.

Note: Credit will be given for only one of 424 or HSD 425.

Prerequisites: CYC 423.

CYC 460 Units: 0.5, 1.0, 1.5 or 3.0 Hours: 3-0
Special Topics in Child and Youth Care

This course provides an opportunity to examine selected current issues in child and youth and family care.

Note: With approval of a faculty adviser, may be taken more than once for credit.

CYC 461 Units: 1.5 Hours: 3-0
Child Life Practice in Hospitals and Community Settings

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.

CYC 462 Units: 1.5 Hours: 3-0
Perspectives on Substance Use in Child and Youth Care Practice

This is an introductory course on substance use and its impacts, particularly in relation to working with children, youth, families and communities. Students are expected to understand and critically reflect on a range of perspectives, and related practice responses relevant to CYC practitioners. The historical, social and political contexts of substance use among Aboriginal peoples, women and youth will be explored.

Note: Credit will be given for one of 462 or HSD 462.

Prerequisites: Second-year standing.

CYC 463 Units: 1.5 Hours: 3-0
Substance Use: Prevention and Treatment Approaches in Child and Youth Care Practice

This course will examine current approaches to working with substance use at the individual, family and community levels. The intended outcomes and goals of treatment and prevention will be explored. Differing models of change as well as Aboriginal approaches to healing and gender-specific approaches to treatment and prevention will be studied. Emphasis will be placed on the identification of appropriate strategies for effective CYC practice.

Note: Credit will be given for one of 463 or HSD 463.

Prerequisites: CYC 462 or equivalent.

CYC 470 Units: 1.5 Hours: 3-0
Mental Health and Child and Youth Care Practice

Students will be introduced to the cultural, philosophical, political, legislative and ethical history of mental health and mental illness. The course will include an introduction to current assessment procedures within the mental health field including the use of DSM-IV-R. The role of psychopharmacology will be explored in relation to other interventions. A strengths-based, holistic, and health promoting theoretical foundation will be presented as a context in which to examine common issues in the mental health field.

Prerequisites: Fourth-year standing.

CYC 475 Units: 3.0 Hours: 3-0
Advanced Child and Youth Care Practice with Individuals, Families and Groups

This advanced course focuses on the development of skills required for child and youth care practice with individuals, families and groups. In a supervised teaching setting, students will assess the needs of role-playing individuals, families and groups, and by applying appropriate intervention strategies, assist clients to achieve needs-related, desired outcomes.

Note: Credit will be given for one of 475 or 476.

Prerequisites: Year 3 required CYC courses.

CYC 480 Units: 1.5 Hours: 3-0
Advanced Applied Capacity Building for the Early Years

The central focus of the course will be the practitioner's role in strengthening community capacity for early years care and development. Local, national and international case examples will be employed to
explore the relationships between theory, practice and supportive policies. Students will undertake a major project designed to stimulate transformative processes in the provision of early year services within the context of communities.

**Prerequisites:** Fourth-year standing.

**CYC 481**

**Units:** 1.5  
**Hours:** 3-0  
**Issues of Assessment and Evaluation with Young Children and Families**

This course explores: (a) processes of assessment of young children and families including their implications and effects within various cultural and economic contexts. (b) Methods of program evaluation including ethical implications; impacts on programs, practitioners, communities, families and young children; and relevance to diverse cultural contexts.

**Prerequisites:** Fourth-year standing.

**CYC 490**

**Units:** 0.5, 1.0, 1.5 or 3.0  
**Directed Studies in Child and Youth Care**

Research projects, directed reading, or additional coursework in a specified area.

**Note:** May be taken more than once for credit in different topics.

**CYC 581**

**Units:** 1.5  
**Applications of Counseling**

This course provides an overview of the major themes and theories in child development addressing research in the areas of physical, intellectual, and psychosocial development. As well as including insights from major researchers and theorists whose roots lie in western traditions, the course builds on traditional practices and theories of the First Nations community by including Elders’ teachings and experiences of the students.

**Prerequisites:** 141.

**CYC 590**

**Units:** 1.5  
**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, students generate insights into child development from the perspective of their own community and culture.

**Prerequisites:** 141.

**CYC 591**

**Units:** 1.5  
**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, students generate 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.

**CYC 592**

**Units:** 1.5  
**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 the theoretical approaches to guiding children. Students learn and practice effective methods of communicating with children and guiding children’s behaviour are elicited from Elders and students.

**Prerequisites:** 581-591.

**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 to build program curriculum based on developmental needs and use evaluation to amend and enhance programing. The development of resources and community contacts will also be an essential part of the practicum.
CYCB 211 Units: 1.5-6.0 Hours: 4-0
Practicum in Supported Child Care for Children with Special Needs
This practicum focuses on meeting the specific needs of a child or children in the context of culture, community and family. Students may choose options such as creating inclusive curriculum, working through the steps of developing support plans in consultation with team members, or implementing aspects of existing support plans. Students will be required to investigate and work with local resources, including professionals who provide specialized support, which are culturally appropriate and enhancing.

CYCB 220 Units: 1.5 Hours: 4-0
Introduction to School-Age Care (CYC)
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.
Note: Elective.

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 about the importance of understanding the psychological and sociological context within which youth live. They learn how to identify issues to which workers might be required to respond, how to become informed about these issues, and how they relate to the cultural context in which particular adolescents live. In addition, students explore intervention possibilities and how these interventions relate to specific issues in particular cultural contexts. 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.
Note: Elective.

CYCB 222 Units: 1.5 Hours: 4-0
Program Development for Infants and Toddlers
Developing child care programs for children (0-2 years) 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.
Note: Elective.

CYCB 230 Units: 1.5 Hours: 4-0
The Ecology of Health, Safety and Nutrition for Children
Methods of meeting children’s needs for health, safety and nutrition vary according to culture and environment, so this course will explore the needs of children in the communities where learners plan to work. Traditional ways of ensuring health and safety will be considered alongside strategies for educating and working with parents, families and community members. Students will identify a community health issue, identify health indicators, and explore community-based solutions.
Note: Elective.

CYCB 231 Units: 1.5 Hours: 4-0
Administration of Child Care Facilities
The essentials of administering a child care facility on and off reserve will be explored including: staffing management; program development; budget management; implementing statutory regulations and meeting regional health standards. Students will be required to plan and design a new childcare facility, including identifying and meeting all appropriate regulations and standards for quality. Students will formulate an illustrative set of policies to establish practice principles appropriate to the context of their community.
Note: Elective.

CYCB 240 Units: 1.5 Hours: 4-0
Introduction to Supported Child Care for Children with Special Needs
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 principles of cultural responsiveness in inclusive child care.
Note: Elective.

CYCB 245 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 introduces students to the components of helping relationships and models of helping used by professional child and youth care workers in situations requiring interventions. Throughout the course the perspectives of the aboriginal community re: communication skills for professional helpers will be elicited from Elders and students.

CYCB 260 Units: 0.5, 1.0, 1.5 or 3.0 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 100 Units: 1.5, formerly 3 Hours: 3-0
The Canadian Economy - Problems and Policies
A discussion of some of the important issues in economic decision making in both private and public sectors of the Canadian economy with an introduction to the basic concepts of economic analysis.
Notes: - Not open for credit to students registered in or with credit in 103 or 104.
- Students wishing to proceed into the Commerce program at the University of British Columbia are advised to take 103 or 104 in their first year.

ECON 103 Units: 1.5 Hours: 3-1
Formerly: 201
Principles of Microeconomics
The principles of microeconomic analysis with special reference to the theory of demand, the theory of the firm and the theory of distribution.
Note: Credit will be granted for only one of 103, 201, ENGR 280. ECON 100 and 103 cannot be taken concurrently.
Prerequisites: Mathematics 12 or MATH 120 is recommended.

ECON 104 Units: 1.5 Hours: 3-1
Formerly: 202
Principles of Macroeconomics
The principles of macroeconomic analysis with special reference to fluctuations in income and prices, monetary and fiscal policies for economic stabilization.
Note: Credit will be granted for only one of 104, 202. ECON 100 and 104 cannot be taken concurrently.
Prerequisites: Mathematics 12 or MATH 120 is recommended.

ECON 111 Units: 1.5 Hours: 3-0
The Economy and the Environment
Investigates the linkages between economic activity and the environment. Studies the relationships between economic growth, trade, urbanization and the global environment, with a particular focus on urban air pollution, water pollution, hazardous waste, solid waste management, and climate change. Environmental policy design, in both developed and developing countries, is the central unifying theme of the course. The course is non-technical in nature and does not require any background in economics or environmental studies.

ECON 112 Units: 1.5 Hours: 3-0
Strategy, Conflict and Cooperation
A non-technical introduction to game theory, the study of interactive decision making. Presented by illustrations drawn variously from economics, politics, law, history, biology, psychology and current affairs.

ECON 203 Units: 1.5 Hours: 3-1
Intermediate Microeconomics I
An examination of the theories of consumer demand; production and cost; the firm and market under conditions of perfect competition, monopoly, monopolistic competition and oligopoly; factor markets and distribution; and welfare economics.
Note: Credit will be granted for only one of 203, 300, 302, 304A. ECON 203 and 205 cannot be taken concurrently.
Prerequisites: 103 or ENGR 280; MATH 102 or 100.
ECON 204 Units: 1.5 Hours: 3-0
Intermediate Macroeconomics
Theories of aggregate economic behaviour; the determination of national income and employment, consumption, investment, inflation, growth and fluctuations, economic policy.
Note: Credit will be granted for only one of 204, 301, 303, 304B.
Prerequisites: 103 and 104; MATH 102 or 100.
ECON 205 Units: 1.5 Hours: 3-0
Managerial Economics
Basic microeconomic theory and optimization techniques and their application to managerial decision making. Topics include demand, production, and cost analysis; market structure and pricing practices; and regulation. Course also examines estimation, forecasting, international implications, and case studies.
Note: Credit will not be granted for 205 if 203 or 302 has already been completed. ECON 203 and 205 cannot be taken concurrently.
Prerequisites: 103 or equivalent.

ECON 225 Units: 1.5 Hours: 3-0
Writing for Economists
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 comprehensive and writing test will be given in the first seven calendar days of the course. Students receiving low scores on the test will be required to attend supplementary language/writing tutorials that will run in parallel with the course.
Prerequisites: 103 and 104; 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 32.
Pre- or corequisites: 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 hypothesis tests. Simple regression and correlation. Multiple regression; T and F tests.
Note: Credit will be granted for only one of 246, 340, STAT 261, STAT 266 if 266 taken prior to September 2004. See Credit Limit, page 32.
Prerequisites: 245 or STAT 260; MATH 100 or 102; CSC 105 or 110.

ECON 250 Units: 1.5 Hours: 3-1
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.
Prerequisites: MATH 140 or 103.
Pre- or corequisites: 203

ECON 257 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 economics.
Note: Credit will be granted for only one of 251, 351.
Prerequisites: 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.
Prerequisites: 103 or 201, and 104 or 202.
Pre- or corequisites: 225.

ECON 306 Units: 1.5 Hours: 3-0
International Economics
An introduction to international trade and finance. Topics include determinants of trade, balance of payments, and policy issues of current interest. The latter may include the political economy of tariffs, bilateral and multilateral trade negotiations, trade and development.
Note: Credit will not be granted for 306 if 405A has already been completed.
Prerequisites: 103 or 201, and 104 or 202.
Pre- or corequisites: 225.

ECON 310A Units: 1.5 Hours: 3-0
Formerly: half of 310
Industrial Organization
An examination of the effects of competitive, monopolistic and oligopolistic market structures on market behaviour, performance and economic welfare. Special attention is paid to Canada.
Note: Credit will be granted for only one of 310A, 310.
Prerequisites: 103 or 201.
Pre- or corequisites: 225.

ECON 310B Units: 1.5 Hours: 3-0
Formerly: half of 310
Industrial Organization and Public Policy
An examination of the relationship between industrial organization and the relevant public policy in Canada. Special attention is paid to maintaining competition, the Competition Act and elements of public regulation.
Note: Credit will be granted for only one of 310B, 310.
Prerequisites: 310A.
Pre- or corequisites: 225.

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, 408, 408A, 408B.
Prerequisites: 103 or 201, and 104 or 202; 203 recommended.
Pre- or corequisites: 225.

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, 408, 408A, 408B.
Prerequisites: 103 or 201, and 104 or 202, and 311A, or permission of the instructor; 203 recommended.
Pre- or corequisites: 225.

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.
Prerequisites: 103 or 201.
Pre- or corequisites: 225.

ECON 315 Units: 1.5 Hours: 3-1
Intermediate Microeconomics II
Selected topics may include intertemporal choice, the organization of the firm, imperfect competition in product markets, discrimination in labour markets, basic game theory, "lemons" models, and additional topics in distribution and welfare economics not included in 203 or 302.
Note: Credit will be granted for only one of 315, 300.
Prerequisites: 203; MATH 102 or 100.
Pre- or corequisites: 225.

ECON 314 Units: 1.5 Hours: 3-0
Formerly: half of 301
Topics in Macroeconomics
Selected topics may include the theory of stabilization policy, government deficits and debt, wage and price adjustment, growth and cycles, theories of consumption, investment, money demand and money supply, and international macroeconomics.
Note: Credit will be granted for only one of 314, 301.
Prerequisites: 204 or 303.
Pre- or corequisites: 225.

ECON 317 Units: 1.5 Hours: 3-0
The Economics of Canadian Health Care
An analysis of resource allocation in the Canadian health care sector. Topics include the special characteristics of health care goods and services, market failures in the health care sector, economic modelling of the consumption and production of health care, and a discussion of current issues in the economics of health care.
Prerequisites: 103 or 201.
Pre- or corequisites: 225.

ECON 320 Units: 1.5 Hours: 3-0
Economic 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.
Pre- or corequisites: 225.

ECON 321 Units: 1.5 Hours: 3-0
The Economic History of Canada
The story of long-run economic growth and welfare in the Canadian economy, with the aid of economic analysis, quantitative data and other historical materials. Emphasis on the development of the Canadian economy from a resource-based economy to a developed industrial economy within an international setting.
Prerequisites: 103 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: 203
Pre- or corequisites: 225

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 settlement of the frontier and the development of farming; water and rail born 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 1500 to 1940, namely when European exploration and colonization 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 333 Units: 1.5 Hours: 3-0
Introduction to Economic Growth
Prerequisites: 204 or 301 or 303.
Pre- or corequisites: 225.

ECON 337 Units: 1.5 Hours: 3-0
Formerly: part of 307
History of Economic Thought to 1870
Economics from Mercantilism up until the Marginal Revolution. Most attention will be devoted to the "Classical" contributions of Smith, Malthus, Ricardo, J.S. Mill and Marx.
Note: Credit will be granted for only one of 337, 307.
Prerequisites: 103 and 104 and 225.

ECON 338 Units: 1.5 Hours: 3-0
Formerly: part of 307
History of Economic Thought Since 1870
Economics from the Marginal Revolution of the 1870s until recent times. Most attention will be devoted to Marshall, Wails, and Keynes.
Notes: - Credit will be granted for only one of 338, 307.
- 337 recommended.
Prerequisites: 103 and 104 and 225.
Pre- or corequisites: 203 or 205.

ECON 345 Units: 1.5 Hours: 3-1
Applied Econometrics
An intuitive development of the basic concepts and techniques in econometrics. The emphasis is on the application of econometric concepts and techniques in analyzing economic phenomena.
Note: Credit will not be granted for 345 if credit has already been received for either one of 365, 445. Cannot be taken concurrently with 365 or 366.
Prerequisites: 103 and 104, and 246 or equivalent; MATH 102 or 100, Econ 203 and 204 recommended.
Pre- or corequisites: 225.

ECON 353 Units: 1.5 Hours: 3-1
Computer Aided Modelling in Economics
An introduction to numerical methods and their application in economics.
Prerequisites: 103 and 104, and 246 or equivalent; MATH 140 or 103, CSC 105 or 110, ECON 250 recommended.
Pre- or corequisites: 225.

ECON 365 Units: 1.5 Hours: 3-1-1
Economometrics: 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, 246 or equivalent; MATH 140 or 103, MATH 100, 101, and 133 or 233A.
Pre- or corequisites: 225.

ECON 366 Units: 1.5 Hours: 3-0
Formerly: half of 445
Economometrics: Part II
Principles of econometrics with applied examples. Topics include: further aspects of specification analysis; data issues (multicollinearity, cointegration, missing 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 or 205.
Pre- or corequisites: 225.

ECON 371 Units: 1.5 Hours: 3-0
Formerly: half of 315
Economics of Work and Pay
Selected topics may include design of optimal compensation systems, labour markets internal to the firm, trade unions, unemployment, personnel economics, discrimination, and labour mobility.
Note: Credit will be granted for only one of 371, 315.
Prerequisites: 370 or permission of the department.
Pre- or corequisites: 225.

ECON 381 Units: 1.5 Hours: 3-0
Also: ES 312
Formerly: 330
Environmental Economics
This course introduces students to the economic analysis of environmental issues. It examines conditions under which markets can and cannot achieve efficient outcomes in the allocation of environmental resources, and considers the role for policy intervention and key issues in policy design. Topics typically include: the problem of externalities, pollution control policies, an introduction to public goods and non-market valuation, and an introduction to the economics of climate change. The course illustrates key concepts through the discussion of various contemporary environmental issues.
Note: Credit will be granted for only one of 381, ES 312, ECON 330.

ECON 382 Units: 1.5 Hours: 3-0
Formerly: Part of 450A
Natural Resource Economics
This course introduces students to economic issues specific to the use and management of natural resources. It explores the economic principles for the efficient allocation of resources over time. Topics covered typically include the economic classification of natural resources; scarcity, growth and sustainability; ownership, access systems and rent dissipation; and principles of optimal depletion and use. Policies and mechanisms to foster greater economic efficiency in economic systems depend on natural resources are examined.
Note: Credit will be granted for only one of 382, 430A.
Prerequisites: 203, and 250 or permission of the instructor, and 225.

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.
Pre- or corequisites: 225.
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 and 250. Open only to students admitted to the BSc Honours Program, or with permission of the Department.
Pre- or corequisites: 225.

ECON 401 Units: 1.5 Hours: 3-0
Advanced Macroeconomic Theory
Selected topics in macroeconomic theory.
Prerequisites: 204 and 250, and 251 or 351. Open only to students admitted to the BSc Honours Program, or with permission of the Department.
Pre- or corequisites: 225.

ECON 405A Units: 1.5 Hours: 3-0
International Trade Theory
The study of international trade theory and policy with emphasis on general equilibrium analysis. Topics include the factor proportions theory of trade, technological determinants of trade, the theory of tariffs and trade policy, models of strategic interaction between countries.
Prerequisites: 203 or 302, and 250 or 350 or equivalent.
Pre- or corequisites: 306 and 225.

ECON 405B Units: 1.5 Hours: 3-0
International Monetary Theory and Policy
A study of international monetary economics, including such topics as foreign exchange markets, Keynesian and monetarist mechanisms of adjustment, forward exchange markets, alternate exchange rate systems, capital mobility and open economy macro economic policies.
Prerequisites: 203 or 300 or 302, and 204 or 301 or 303.
Pre- or corequisites: 225.

ECON 406 Units: 1.5 Hours: 3-0
Monetary Economics
Monetary economics studied in the context of overlapping generations models. Barter and commodity money; 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.

Pre- or corequisites: 225.

ECON 407 Units: 1.5 Hours: 3-0
Topics in the History of Economic Thought
Seminar in selected issues in the History of Economic Thought. Topics will include a detailed examination of Adam Smith’s Wealth of Nations and Alfred Marshall’s Principles of Economics. Other topics may vary from year to year.

Prerequisites: 203 or 300 or 302, and 204 or 301 or 303, and 225.

ECON 410A Units: 1.5 Hours: 3-0
Problems of Canadian Macroeconomic Policy
Selected topics involving the application of microeconomic analysis to Canadian problems and policies; topics vary but generally include education, health care, regulation and competition policy with an emphasis on current affairs.

Note: Credit will be granted for only one of 410A, 410.

Prerequisites: 203 or 300 or 302.

Pre- or corequisites: 225.

ECON 410B Units: 1.5 Hours: 3-0
Problems of Canadian Macroeconomic Policy
Selected topics involving the application of macroeconomic analysis to Canadian problems and policies in the areas of unemployment, inflation and economic growth.

Note: Credit will be granted for only one of 410B, 410.

Prerequisites: 204 or 301 or 303.

Pre- or corequisites: 225.

ECON 411 Units: 1.5 Hours: 3-0
Topics in the Economic Analysis of Law
A seminar course investigating selected topics chosen from property law, contract law, tort law, family law and constitutional law.

Prerequisites: 203, and 311A or 311B, or permission of the instructor.

Pre- or corequisites: 225.

ECON 414 Units: 1.5 Hours: 3-0
Regional Economics
Consideration of the problem of regional economic disparities. Theories of migration, location and regional economic growth. Techniques for analyzing aspects of the regional problem, including cost-benefit analysis, regional accounting, shift share analysis, multiplier analysis. Policy issues relating to the problem.

Prerequisites: 203 or 300 or 302, and 204 or 301 or 303.

Pre- or corequisites: 225.

ECON 415 Units: 1.5 Hours: 3-0
Topics in Labour Economics
Selected issues in labour economics will be studied using both theoretical and econometric tools. Topics may include the economics of education, the worker-employer matching process, the economics of discrimination, and the unemployment insurance system.

Prerequisites: 203 or 300 or 302, and 345 or 365.

Pre- or corequisites: 225.

ECON 416 Units: 1.5 Hours: 3-0
Cost Benefit Analysis: Principles and Application
Principles of cost benefit analysis including consideration of welfare economics, the treatment of intangibles, non-efficiency 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.

Pre- or corequisites: 225.

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, and 305 recommended.

Pre- or corequisites: 225.

ECON 421 Units: 1.5 Hours: 3-0
European and International Economic History
The rise of capitalism and the Industrial Revolution especially in Western Europe. The British experience and comparative rates of growth in European countries, with some attention to the transference of industrialization techniques to non-European countries.

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.

Pre- or corequisites: 225.

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 government intervention and policy), and the theory of implicit contracts, the political economy model (emphasis on 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.

Pre- or corequisites: 225.

ECON 427 Units: 1.5 Hours: 3-0
Philosophical Problems in Contemporary Economics
Seminar course investigating selected problems with the neoclassical paradigm, with emphasis on the relationship of morality to economics. Topics may include rational choice and human agency, cognition, gender, social institutions, social choice theory, constitutional political economy, law and democracy, economic development, and economic justice. Prominent contemporary economic critics of neoclassical economics will be read.

Prerequisites: 203 and 204; fourth-year standing recommended.

Pre- or corequisites: 225.

ECON 429 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.

Pre- or corequisites: 225.

ECON 430 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.

Pre- or corequisites: 225.

ECON 435 Units: 1.5 Hours: 3-0
Financial Economics
An introduction to the application of economics to finance, with an emphasis on the theory of asset pricing. Topics include mean-variance portfolio analysis; the capital asset pricing model and arbitrage pricing theory; equity and fixed income securities; options and the Black-Scholes pricing formula; and futures contracts.

Prerequisites: 305 and 313, and 246 or equivalent.

Pre- or corequisites: 225.

ECON 437 Units: 1.5 Hours: 3-0
Philosophical Problems in Contemporary Economics
Seminar course investigating selected problems with the neoclassical paradigm, with emphasis on the relationship of morality to economics. Topics may include rational choice and human agency, cognition, gender, social institutions, social choice theory, constitutional political economy, law and democracy, economic development, and economic justice. Prominent contemporary economic critics of neoclassical economics will be read.

Prerequisites: 203 and 204; fourth-year standing recommended.

Pre- or corequisites: 225.

ECON 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.

Pre- or corequisites: 225.

ECON 440 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.

Pre- or corequisites: 225.

ECON 451 Units: 1.5 Hours: 3-0
General Equilibrium and Welfare Economics
Selected topics in general equilibrium theory and welfare economics.

Prerequisites: 251 or 351, and 353.

Pre- or corequisites: 225.
ECON 452  Units: 1.5 Hours: 3-0
Information and Incentives
Theory and applications of the principal agent model to moral hazard, adverse selection and signalling problems.
Prerequisites: 203 or 300 or 302, and 250 or 350.
Pre- or corequisites: 225.

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.
Pre- or corequisites: 225.

ECON 454  Units: 1.5 Hours: 3-0
Theory of Corporate Finance
Corporate finance is the study of how firms attract capital to finance their operations. 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 behavior, contracting and firm incentives, the role of financial intermediaries, and mergers and takeovers.
Prerequisites: 313 and COM 240; 305 recommended.
Pre- or corequisites: 225.

ECON 468  Units: 1.5 Hours: 3-1
Financial Econometrics
The application of econometric methods to asset pricing models and financial data. Topics may include: stylized facts for financial returns, forecasting returns, volatility modeling and forecasting, tests of the random walk hypothesis, option pricing, extreme values and value at risk, asset portfolios, modeling with ultra-high frequency data.
Prerequisites: 365, or STAT 350 or STAT 353, or permission of the instructor; COM 240; ECON 369 and 435 recommended.

ECON 481  Units: 1.5 Hours: 3-0
Environmental Economics II
This course provides a detailed treatment of advanced topics in environmental economics. Topics covered will vary from year to year, but will typically include a selection from the following: property rights and the Coase theorem, risk and uncertainty, sustainability, policy design under asymmetric information, monitoring and enforcement, green consumerism and corporate environmentalism, trade and the environment, climate change and transboundary pollution, mobile source pollution, non-point source pollution, solid waste management, technological change, and non-market valuation.
Prerequisites: 313, and 330 or 381, and 225.

ECON 482  Units: 1.5 Hours: 3-0
Formerly: Part of 430A
Natural Resource Economics II
This course introduces students to dynamic optimization as it applies to renewable and non-renewable resources, focusing in particular on dynamic problems related to the fishery, forestry and the mine. Economic principles relating to the governance/regulation of natural resource use will also be examined.
Note: Credit will be granted for only one of 482, 430A.
Prerequisites: 313 and 382 and 225.
Pre- or corequisites: 251.

ECON 495  Units: 1.5 or 3.0
Directed Studies
Directed reading and/or research for Major and Honours students with first class standing in Economics under the supervision of a faculty member willing to supervise such a course.

Note: May be taken more than once for credit to a maximum of 3 units.
Prerequisites: Permission of the department.
Pre- or corequisites: 225.

ECON 499  Units: 3.0
Formerly: 470
Fourth Year Honours Thesis and Seminar
Seminar for Honours students only. Includes oral presentations related to the student's proposed thesis research, which is carried out under the direction of a faculty supervisor.
Note: Credit will be granted for only one of 499, 470.
Prerequisites: Registration in 398 or permission of the department.
Pre- or corequisites: 225.

ED-D

Educational Psychology and Leadership Studies
Department of Educational Psychology and Leadership Studies
Faculty of Education
Courses offered by the the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, IA, IET, ME, PE.

ED-D 101  Units: 1.5 Hours: 3-0
Learning Strategies for University Success
This course supports undergraduate students to develop study skills and strategies for success in university courses. The course emphasizes applied assignments that help students to master reading: note taking, studying, time management, and assignment work in their current undergraduate courses. Students will apply theory to examine their own learning and experiment with new strategies for learning. Students will be required to use computers for course work and group projects.
Note: Enrollment is restricted to undergraduate students who are concurrently enrolled in at least two other university courses.

ED-D 300  Units: 1.5
Educational Psychology
The application of psychological principles to elementary classroom practice.
Note: Credit will be granted for only one of 300, 200.
Prerequisites: Authorization to register in the Faculty of Education.

ED-D 301  Units: 1.5 Hours: 3-0
Formerly: EDUC 301
Learners & Learning Environments
An integrated approach to planning for effective learning based on an understanding of the developmental and individual needs of children. The implications for schooling of learning characteristics, gender, and multicultural factors will be addressed.
Note: Credit will be granted for only one of 301, 305, EDUC 301.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

ED-D 305  Units: 1.5 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.

Note: Students should take ED-D 316 before ED-D 417.

ED-D 337  Units: 1.5 Hours: 3-0
Evaluation of Student Achievement
The construction of classroom measures, including rating scales, self reports, check lists, performance tests, essay and objective tests; organization, use and reporting of assessment data.

ED-D 337A - Evaluation in the Arts
337B - Evaluation in the Humanities and Modern Languages
337C - Evaluation in Physical Education
337D - Evaluation in Elementary Classrooms
337E - Evaluation in the Sciences, Mathematics and Social Sciences

Corequisites: Professional year.

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
Introduction to Psychology of Learning
An introduction to the psychology of learning in the secondary school.
Note: Credit will not be granted for 401 and 403.

ED-D 402  Units: 1.5
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.
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| **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 PDPP 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 3.0 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 for 410A and 415.
**Prerequisites:** ED-D 401, 406; ED-D 301 (formerly EDUC 301), ED-D 420 (formerly EDUC 420), or permission of instructor.

**ED-D 406** Units: 3.0 Hours: 3-0
Psychology of Adolescence
The physiological, psychological, social, and educational aspects of adolescence.

**ED-D 407** Units: 0.5 or 1.5 Hours: 1-0 or 3-0
Formerly: EDUC 407
Evaluating and Reporting Student Progress
An examination of the principles and procedures associated with the evaluation of student achievement, emphasizing connections between theory and practice, assessment, and instruction, and BC Ministry of Education requirements. Topics include: planning and development of classroom assessment procedures; communication of results to students and parents; and current policies and practices. The course focuses on developing the ability of pre-service teachers to critically and effectively develop their own assessment practices and resources.
**Note:** This course will be 1.5 units for students admitted to Regular 5 year B.Ed. or PDPP as of September 2007.
**Prerequisites:** Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).
**Grading:** INC, COM, N or F.

**ED-D 408** Units: 1.5 Hours: 3-0
Formerly: EDUC 408
Promoting Prosocial Behaviour: Strategies and Management
This course is designed to provide beginning teachers with insights and concrete strategies that will assist them in planning and implementing effective interventions in situations involving discipline, conflict, aggression, and bullying. Peacemaking programs and peer conflict management initiatives will be discussed.

**ED-D 410** Units: 1.0 or 1.5 Hours: 2-0 or 3-0
Formerly: EDUC 410
Teacher as Leader: The Professional Role
This course is a seminar in contemporary professional issues and the role of the ethical, effective, and active practitioner within inclusive school communities. Emphasis is on leading for collaboration, and critical inquiry as central components of teaching in a democratic society. Authentic tools for assessing professional growth will be utilized.
**Notes:** - This course will be 1.5 units for students admitted to Regular 5 year B.Ed. or PDPP as of September 2007.
  - Credit will be granted for only one of 410, EDUC 410, ED-B 430, or ED-D 430.
**Prerequisites:** Completion of Year Four of the Bachelor of Education Elementary program or EDUC 300A.
**Grading:** INC, COM, N or F.

**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 3.0
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: 1.5 Hours: 3-0
Group Processes
Analysis, theory, and research related to group processes, decision-making, and leadership in a variety of settings. Awareness and understanding of self in group contexts. The course includes skills practice and development related to group membership and facilitation.
**Note:** 414 is a prerequisite course for the Master’s program in Counselling.

**ED-D 415** Units: 3.0 Hours: 3-3
Assessment and Remediation of Learning Difficulties
A consideration of assessment strategies and instructional methods and materials appropriate for the identification and remediation of learning difficulties.
**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 494.
**Prerequisites:** Professional year (waived for students in the School of Child and Youth Care).

**ED-D 417** Units: 1.5 Hours: 3-0
Skills for Effective Interpersonal Communication
Basic interpersonal communication skills for active listening, empathic understanding and communica-

tion of empathy. Includes analysis of effective interpersonal skills and skill building laboratory experience. The content and skills are transferable to a variety of settings, including counselling, education, human development, management, healthcare, psychology, and recreation.
**Note:** ED-D 417 is a prerequisite course for the Master’s program in Counselling. As of Dec. 1, 2007, applicants must have completed ED-D 417 and ED-D 418 for admission to the Master’s program in Counselling.

**ED-D 418** Units: 1.5 Hours: 3-0
Formerly: part of ED-D 417
Introduction to Theories of Counselling
Major theoretical approaches to counselling. This will include philosophical assumptions, key concepts, the process of change, and interventions. Designed for those interested in counselling, psychotherapy, and helping relationships.
**Notes:** - Credit will be granted for only one of 418, ED-D 417 if ED-D 417 taken before May 1, 2006. 
  - ED-D 418 is a prerequisite course for the Master’s program in Counselling. As of Dec. 1, 2007, applicants must have completed ED-D 418 for admission to the Master’s program in Counselling.

**ED-D 420** Units: 1.0 or 1.5 Hours: 2-0 or 3-0
Formerly: EDUC 420
Learning Support: Context and Key Issues
An introductory overview of key issues in learning support. Topics will include the organization, administration and management of classrooms in which students with special educational needs are found; the referral process; teacher responsibilities for students with special educational needs in the context of regular classrooms; and the utility and limitations of various assessment techniques.
**Notes:** - This course will be 1.5 units for students admitted to Regular 5 year B.Ed. or PDPP as of September 2007. 
  - Credit will be granted for only one of 420, EDUC 420.
**Prerequisites:** Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

**ED-D 421** Units: 1.5 Hours: 3-0
Formerly: EDUC 421
Recognition and Assessment of Learning Needs
Topics will include administering and interpreting teacher directed/prepared assessment techniques and commercial tests; reading and writing reports; and developing various individualized educational plans.
**Note:** Credit will be granted for only one of 421, EDUC 421.
**Prerequisites:** ED-D 420 (formerly EDUC 420).

**ED-D 422** Units: 1.5 Hours: 3-0
Formerly: EDUC 423
Management and Adaptation of the Classroom Environment
The course will focus on strategies for adapting the classroom environment to support children with a range of special needs. Topics will include ADHD/PAS; abuse and neglect; medication/treatment; social competencies and emotional adjustment; issues related to low/high incidence classifications; collaboration between professionals/paraprofessionals.
**Note:** Credit will be granted for only one of 422, EDUC 423.
**Prerequisites:** ED-D 420 (formerly EDUC 420).
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 Units: 1.5
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
**Personal Planning: An Overview**
To prepare teachers, counsellors and child care workers for teaching and conducting the "Personal Planning" program. Topics include providing for individual responsibility, social awareness, relationship enhancement, and lifelong development.

ED-D 434 Units: 1.5
**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
**Peer Helping: Training Issues**
An examination of the use of peers in the helping/learning process in a variety of populations and settings. Topics include the theory and research in peer helping, peer tutoring, peer mentoring and peer counselling. Emphasis will be placed on skill building and training expertise necessary to organize and train a variety of peer groups in educational and community settings. Experiential learning cycles will be emphasized.

**Note:** Participants are strongly urged to take this course concurrently with 435B.

ED-D 435B Units: 1.5
**Peer Helping: Program Implementation Issues**
This course will cover the variety of strategies used to develop, implement and evaluate a peer program. Topics include initiating change, consulting with decision makers, organizing action teams, selecting peer helpers, and creating an effective training curriculum. Approaches to supervision and evaluation will be examined.

**Note:** Participants are strongly urged to take this course concurrently with 435A.

ED-D 440 Units: 1.5 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 curricula. 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: 3.0 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 providing programs for career and life planning. Developmental issues and applications will be presented. Preparation for employment, work strategies, work experience, and career technologies will also be covered.

ED-D 480 Units: 1.5 or 3.0 Hours: 3-0
**Contemporary Issues in Education - Educational Psychology and Leadership Studies**
Current topics and developments in education, with particular consideration of their relevance to the schools of British Columbia. 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 3.0 Hours: 3-0
**Special Topics in Education - Educational Psychology and Leadership Studies**
Topics of current interest or concern to groups of students.

**Note:** May be taken more than once for credit with permission of the Education Advising Centre.

ED-D 494 Units: 1.5 each
**Directed Studies**
Research projects, directed reading, or additional course work in a specified area.

**Note:** All students must obtain written approval from the Education Advising Centre before registering. Permission will not normally be given for more than three units of directed studies.

ED-P 250 Units: 1.5 Hours: 3-0
**Elementary School Experience Seminar**
Designed to provide an opportunity for students to orient themselves to the culture of the school and to become familiar with the multiple and complementary roles and responsibilities of school personnel. Students will be encouraged to visit a variety of classrooms in their seminar and within their assigned school and to observe for specific indicators of climate, programming and group management. They will undertake a three-week practicum following final exams in their Year 3 courses. Practicum placements may be outside the local area.

**Note:** Credit will be granted for only one of 250, EDUC 200, ED-P 250.

**Prerequisites:** Acceptance in the Bachelor of Education Elementary program.

**Grading:** INP, COM, N or F.

ED-P 251 Units: 1.5
**Three-Week Practicum (Elementary Education)**
Students in the Bachelor of Education Elementary program will undertake a three-week practicum following final exams in their Year 3 courses. Practicum placements may be outside the local area.

**Grading:** INP, COM, N, F.

ED-P 300 Units: 2.5
Formerly: EDUC 300
**School Experience & Five Week Spring Practicum Program**
Focus is on planning and implementing the curriculum, addressing the diversity found in classrooms and schools, and acquiring strategies for orchestrating the many demands and responsibilities inherent in the role of educator. Students will register in one of the following:

300A - **School Experience and Five Week Spring Practicum (Professional Degree)**
Students spend one day each week throughout the academic year in a local school. Students are required to attend weekly seminars and plenary sessions. They will undertake a five-week practicum following final examinations in their Year 4 courses. Practicum placements may be outside the local area. Non-local placements require 8-10 days observation in December in the practicum school, in lieu of spring weekly visits locally.

Note: Credit will be granted for only one of 300A, 300B, EDUC 300A, 300B.

Prerequisites: Acceptance in the elementary post-degree professional program.

Grading: INP, COM, N or F.

ED-P 350 \* Units: 1.5 Hours: 3-0

Year 4 Elementary School Experience Seminar (Professional Degree)

Focus is on planning and implementing the curriculum, addressing the diversity found in classrooms and schools, and acquiring strategies for orchestrating the many demands and responsibilities inherent in the role of educators. Students will refine and enhance their e-portfolio.

Prerequisites: ED-P 251

Grading: INP, COM, N, F.

ED-P 360 \* Units: 1.5 Hours: 3-0

Elementary School Experience Seminar (Post Degree)

Focus is on planning and implementing the curriculum, addressing the diversity found in classrooms and schools, and acquiring strategies for orchestrating the many demands and responsibilities inherent in the role of educators. Students will refine and enhance their e-portfolio.

Prerequisites: Admission to Elementary Post Degree Professional Program.

Grading: INP, COM, N, F.

ED-P 361 \* Units: 1.5

Five-Week Elementary Practicum (Post Degree)

Students in the Elementary Post Degree Professional Program will undertake an eight-day orientation practicum in December of their first year, and a five-week practicum following final examinations in the spring.

Prerequisites: ED-P360

Grading: INP, COM, N, F.

ED-P 400 \* Units: 4.5

Formerly: EDUC 400

School Experience and Final Practicum

Enables students to further develop 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 assess their own practice, and to initiate strategies for building on strengths and overcoming areas of weakness. Students will register in one of the following:

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. Pre-practica 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-practica school visits and planning are required. The time commitment is ten to twelve weeks.

Notes: Must have consent of the Director.

- Credit will be granted for only one of 400, 400A, 400B, 400C, 400D, 400E, EDUC 400A, 400B, 400C, 400E, 400E. With permission of the Director of Teacher Education, credit may be granted for ED-P 400E and any one of the above.

Prerequisites: ED-P 300 (formerly EDUC 300).

Grading: INP, COM, N or F.

ED-P 451 \* Units: 3.0

Eight-Week Elementary Practicum (Professional Degree)

Students in the Bachelor of Education program will undertake an eight-week practicum scheduled during January-March.

Prerequisites: ED-P 351

Grading: INP, COM, N, F.

ED-P 461 \* Units: 3.0

Eight-Week Elementary Practicum (Post Degree)

Students in the Elementary Post Degree Professional Program will undertake an eight-week practicum scheduled during either October-December or January-March.

Prerequisites: ED-P 361

Grading: INP, COM, N, F.

ED-P 490 \* Units: 1.5

Professional Development Inquiry Project

This course is structured as a professional development opportunity for students to further explore areas they have identified as important for their readiness as beginning teachers. Students will work with instructors who have expertise in curriculum areas and/or methods of inquiry. There may be alternative modes of delivery for this course, e.g., off-campus experiences and self-directed learning projects. Students will be expected to draw on their electronic portfolio to inform their choice of inquiry focus and to present their final projects at the end of the program.

Prerequisites: Year 5 standing.

Grading: INP, COM, N, F.

ED-P 494 \* Units: 1.5 each

Directed Studies

Research projects, directed reading, or additional course work in a specified area.

Note: Must have written approval from the Director before registering. Permission will not normally be given for more than 3 units of directed studies.

ED-P 495 \* Units: 1.5 each

Directed Studies

Research projects, directed reading, or additional course work in a specified area.

ED-P 496 \* Units: 0.5-1.5

Formerly: EDUC 496

Mentoring in Teaching

An exploration, analysis and application of supervisory and support models and techniques for mentoring pre-service and beginning teachers. This course is for certified teachers and includes school-based experiences.

Note: Credit will be granted for only one of 496, EDUC 496.

Prerequisites: Valid teaching certificate, 3 years experience and permission of the Director of Teacher Education Programs.

ED-P 497 \* Units: 1.5 or 3.0

Professional Seminar or Practicum

A seminar or supervised practicum for persons wishing to update teaching skills and to gain or validate teaching certificates. Practicum only students will be on an individualized study/practice program.

Prerequisites: Consent of the 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: 0.5-3.0

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.
Professional Studies

ED-P 780 Units: 1.5 Hours: 3-0
Student Teaching Seminar Secondary
A series of seminars providing assistance in planning for practicum, discussion of topics of common concern for student teachers, and current issues related to instruction.
Grading: INC, COM, N, or F.

ED-P 787 Units: 4.5
Professional Year Elementary Seminar and Practicum
For students registered in the certification year, elementary program. Consists of a weekly seminar and school experience to be arranged by the School Experience Office. Initial school experiences will occur during the first week of the term.
Note: Students will be denied the practicum experience if their preparatory work is considered unsatisfactory by the Director of Professional Studies.
Grading: INC, COM, N, F or INP.

ED-P 790 Units: 1.5 Hours: 3-0
Secondary Teaching Skills Seminar
The study, performance and evaluation of teaching skills essential to teacher performance at the secondary level. Skills will be practised and evaluated through peer interaction.
Prerequisites: Acceptance in the Secondary Post Degree Professional Program.
Grading: INC, COM, N, or F.

ED-P 798 Units: 3.0
Student Teaching Practicum
Placement from January through April in one or more secondary schools for supervised teaching practice.
Prerequisites: Successful completion of pre-practicum term.
Grading: INC, COM, N, F, or INP.

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, ED-D, ED-P, EDCI, IA, IET, ME, PE.

EDCI 302 Units: 1.5 Hours: 3-0
Formerly: EDUC 302
Literacy and Language in the Elementary School
An overview of the teaching of language arts and the development of oral language and literacy in the elementary school. An introduction to strategies for addressing the diverse needs of learners will be included.
Note: Credit will be granted for only one of 302, EDUC 302, ED-B 748.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 303 Units: 1.5 Hours: 3-0
Formerly: EDUC 303
Historical and Philosophical Foundations of Canadian Education
This course takes an historical and philosophical basis to the study of Canadian schooling. It focuses on historical and philosophical ideas and the development of educational ideas that have impacted the lives of children and teachers in school.
Note: Credit will be granted for only one of 303, EDUC 303, ED-B 420, ED-B 423.

Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 305 Units: 2.0 Hours: 2-1
Formerly: EDUC 305
Drama Education: A Medium For Learning
Drama is a socially-active art form. This course addresses the foundations of drama education. Exercise, Dramatic Play, Drama for Understanding based on the current elementary curriculum. Students will experience the principles, practice, and methods of instruction.
Note: Credit will be granted for only one of 305, EDUC 305, DE 204, 304.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 305A Units: 1.5 Hours: 3-0
Drama Education: A Medium for Learning I
This preliminary course presents an overview of the theory and practice of drama education based on the current elementary curriculum. Through a workshop format, students will explore the principles and methods of instruction for initial classroom implementation.
Note: Credit will be granted for only one of 305A, 305, EDUC 305, DE 204, 304.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 305B Units: 1.5 Hours: 3-0
Drama Education: A Medium for Learning II
The focus of this course will be on the integration of drama as a learning medium across the curriculum with a focus on language arts. Through the examination and progression of instructional strategies, students will broaden their understanding of educational drama and its role in the development of multiple literacies.
Note: Credit will be granted for only one of 305B, 305, EDUC 305, DE 204, 304.
Prerequisites: EDCI 305A and acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 306A Units: 1.5 Hours: 2-1
Formerly: EDCI 306
Music in the Elementary Classroom I
EDCI 306A is an introductory course in music education designed to give students with little or no music background a foundation for teaching music and evaluating musical learning in the elementary classroom. An understanding of musical concepts will be developed through singing, listening, playing, moving, dramatizing, composing, improvising, reading and writing. Music reading skills will be developed through the playing of classroom instruments.
Note: Credit will be granted for only one of 306A, 306, EDUC 306, ME 204, ME 206, ME 304.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 306B Units: 1.5 Hours: 2-1
Formerly: EDCI 306
Music in the Elementary Classroom II
EDCI 306B content is a continued development of the musical skills and concepts learned in EDCI 306A with a focus on music teaching and learning strategies for the upper elementary and middle school grades. Students will have the opportunity to work in ensemble settings using classroom instruments such as recorders, Orff instruments, guitars and ukuleles to arrange accompaniments, improvise, and compose. In addition, students will plan units

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around selected topics such as History of Rock ’n Roll, World Music, Canadian Folk Music, Classical Kids, Listening Activities, Integrated Arts, and Historical Significance of Songs. Additional topics will be added according to interests.
Note: Credit will be granted for only one of 306B, 306, EDUC 306, ME 204, ME 206, ME 304.
Prerequisites: EDCI 306A and acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 307 Units: 2.0 Hours: 2-1
Formerly: EDUC 307
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, EDUC 307, AE 103, AE 204.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 307A Units: 1.5 Hours: 3-1
Art in the Elementary Classroom I
The purpose of this methods course is to understand the place and practice of art in the elementary school curriculum. Topics include a rationale for art education, theory about developmental stages, sensitivity to individual and cultural diversity, as well as lesson planning, assessment strategies, and integration of art with other core subjects. The course also aims to develop students’ own understandings, skills, and confidence in creating art and in building general knowledge about art.
Note: Credit will be granted for only one of 307A, 307, EDUC 307, AE 103, AE 204.
Prerequisites: Acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 307B Units: 1.5 Hours: 3-1
Art in the Elementary Classroom II
A further investigation of concepts and methods of instruction that are appropriate for elementary students in classroom settings. The course also involves continued work in developing student competence and confidence in studio art and building general knowledge, both cultural/historical and contemporary art and art practice.
Note: Credit will be granted for only one of 307B, 307, EDUC 307, AE 103, AE 204.
Prerequisites: EDCI 307A and acceptance in either the Bachelor of Education Elementary program or the Post-Degree Professional Program (Elementary).

EDCI 321 Units: 1.5 Hours: 3-0
Formerly: ED-B 339
Quality Programs For Young Children
An overview of early childhood education programs designed as an introduction for those considering working with young children in a variety of settings. 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: 1.0 or 1.5 Hours: 1-2
Formerly: ED-B 339
Information and Communication Technologies in Education
This course provides students with a foundation for using common information and communication technologies (ICT) and integrating those technologies within an educational context. Topics may include: electronic communication, internet tools, multimedia
presentations, website construction, spreadsheets, databases, critical evaluation of resources, current issues, and appropriate use of technology by teachers and their students.

**Note:** Credit will be granted for only one of 336, ED-B 350, EDUC 404, ED-B 456, ED-B 360, ED-D 338.

**Grading:** INC, COM, N. F.

**EDCI 337**
**Units:** 1.5  **Hours:** 2-2  
**Formerly:** ED-B 360  
**Television and Video: Applications and Impact**  
The exploration of 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:** 3-0  
**Formerly:** ED-B 363  
**Educational Applications of the Internet**  
The nature of the internet; access and utilization methods; web page construction; interactive use of internet-based education.

**Note:** Credit will be granted for only one of 339, ED-B 363.

**EDCI 347A**
**Units:** 1.5  **Hours:** 3-0  
**Formerly:** ED-B 347A  
**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 the ways 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 347  
**Liturature 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  **Hours:** 3.0  
**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  **Hours:** 3.0  
**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 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 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  **Hours:** 3.0  
**Formerly:** 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 European contact, to a historical view of colonization and government legislation and policy pertaining to education, to First Nations resistance and educational initiatives, and lastly a general overview of current issues facing First Nations Education today.

**Note:** Credit will be granted for only one of 371, IS 371.

**EDCI 372**
**Units:** 1.5  **Hours:** 3.0  
**Formerly:** IS 372  
**Aboriginal 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 402**
**Units:** 1.5  **Hours:** 3-0  
**Formerly:** EDUC 402  
**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, EDUC 402, ED-B 748.

**Prerequisites:** EDUC 302 or EDCI 302.

**EDCI 403**
**Units:** 1.5  **Hours:** 3-0  
**Formerly:** EDUC 403  
**Curriculum and Instruction in Elementary Social Studies**  
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, EDUC 403, ED-E 745.

**Prerequisites:** Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

**EDCI 404**
**Units:** 1.5  **Hours:** 3-0  
**Formerly:** EDUC 404  
**Curriculum and Instruction in Elementary Mathematics**  
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 economics, with emphasis on participatory citizenship, culture and traditions in a pluralistic society.

**Note:** Credit will be granted for only one of 404, EDUC 404, ED-E 746.

**Prerequisites:** Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

**EDCI 405**
**Units:** 1.5  **Hours:** 3-0  
**Formerly:** EDUC 405  
**Curriculum and Instruction in Elementary Mathematics**  
General and specific goals of mathematics teaching and learning; examination of all components of the prescribed provincial mathematics curriculum; teach-
ing strategies; learning activities; classroom settings; and assessment techniques.

**Note:** Credit will be granted for only one of 405, EDUC 406, ED-E 743.

**Prerequisites:** Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).

**EDCI 406**

**Units:** 1.0  **Hours:** 1-2
Formerly: EDUC 406

**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, EDUC 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).

**EDCI 409**

**Units:** 1.0  **Hours:** 2-0
Formerly: EDUC 409

**Constructing Mathematical Understanding**
Further examination of recent issues and trends related to fostering and assessing the major components of mathematical literacy, mathematical thinking and numeracy.

**Note:** Credit will be granted for only one of 409, EDUC 409, ED-E 743.

**Prerequisites:** EDCI 405 (formerly EDUC 405).

**EDCI 421**

**Units:** 1.5  **Hours:** 3-0
Formerly: ED-B 440

**Origins, Influences and Trends in Early Education Programs**
This course addresses the origins and meaning of social and philosophical ideas and how these ideas influence the lives of children and teachers in schools. The major philosophical systems and ideologies that have shaped and continue to shape educational thought and practice are the focus of this course.

**Note:** Credit will be granted for only one of 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, 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 422, ED-B 441.

**Pre- or corequisites:** ED-B 339 or EDCI 321 or permission of the instructor.

**EDCI 424A**

**Units:** 1.5  **Hours:** 3-0
Formerly: EDUC 422, EDUC 422A

**Adaptation of Curriculum and Instructional Strategies (Language Arts)**
The introduction of diagnosis and instruction for struggling learners in language arts with a focus on reading and writing and of curriculum and methodology of teaching English as a second language (ESL). Students will become familiar with materials and procedures helpful to supporting learners and alleviating literacy difficulties.

**Note:** Credit will be granted for only one of 424A, EDUC 422, 422A.

**Prerequisites:** ED-D 420 (formerly EDUC 420).

**EDCI 424B**

**Units:** 1.5  **Hours:** 3-0
Formerly: EDUC 422, EDUC 422B

**Adaptation of Curriculum and Instructional Strategies (Mathematical)**
Development and use of instructional methods and materials appropriate for children with learning difficulties in mathematics. Ways of adapting curricula and instruction to other content areas and technological support for children with special education needs will also be considered.

**Note:** Credit will be granted for only one of 424B, EDUC 422, 422B.

**Prerequisites:** ED-D 420 (formerly EDUC 420).

**EDCI 431**

**Units:** 3.0  **Hours:** 3-0
Formerly: ED-B 420

**Philosophical Foundations of Education**
This course examines the origins and meaning of social and philosophical ideas and how these ideas influence the lives of children and teachers in schools. The major philosophical systems and ideologies that have shaped and continue to shape educational thought and practice are the focus of this course.

**Note:** Credit will be granted for only one of 431, ED-B 420.

**EDCI 432**

**Units:** 3.0  **Hours:** 3-0
Formerly: ED-B 423

**Historical Foundations of Education**
This course explores the historical foundations of contemporary Canadian schooling and the forces that regulate educational change, reform and the nature of the teacher’s work.

**Note:** Credit will be granted for only one of 432, ED-B 423.

**EDCI 433**

**Units:** 3.0  **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:** 3.0  **Hours:** 3-0
Formerly: ED-B 427

**Sociological Foundations of Education**
This course explores the impact of sociological variables - such as poverty, ethnicity, culture, gender, and social diversity on classroom teaching and life in contemporary Canadian schools.

**Note:** Credit will be granted for only one of 434, ED-B 427.

**Prerequisites:** ED-B 441, EDCI 422 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 450**

**Units:** 1.0  **Hours:** 2-0
Formerly: EDUC 430

**Community, Culture and Environment: Overview and Framework**
This course will introduce students to the dynamic interaction among key concepts of community, culture, and the environment. Students will examine relevant issues that impact teachers and learners in today’s classrooms and explore ways that teachers can enact positive social change.

**Note:** Credit will be granted for only one of 450, EDUC 430.

**Prerequisites:** Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).
### Course Listings

#### Grading: INC, COM, N or F

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<th>Course Code</th>
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<tr>
<td>EDCI 451</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 437 Community and Culture. Designed to provide students with an appreciation of the utility of culture as a framework for understanding teaching and learning. Students will explore the roles and impacts they have as teachers and community members in the transmission and transformation of culture. This course will also investigate the implications and challenges of teaching in a multicultural society. <strong>Note:</strong> Credit will be granted for only one of 451, EDUC 431. <strong>Prerequisites:</strong> EDCI 450 (formerly EDUC 430).</td>
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<tr>
<td>EDCI 452</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 432 Cultural Studies in Education. Focuses on the school both as a community of learners and as a part of a larger community in a changing world. Topics of study will include different conceptions of community as they relate to education and learning, relations of power in school and community settings, gender roles, ethnicity, spirituality, traditions of conflict resolution, human rights, and the effects of global systems on local communities. <strong>Note:</strong> Credit will be granted for only one of 452, EDUC 432. <strong>Prerequisites:</strong> EDCI 450 (formerly EDUC 430).</td>
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<td>EDCI 453</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDCI 433 Ecology For Teachers. Labs, field trips and inquiry activities will explore the major ecosystems in British Columbia as a focus for instruction. Topics include the natural history of plants and animals, the ecology of communities and ecosystems, and human impacts emphasizing the Pacific Northwest. Intended to provide teachers with information and skills to explore the outdoor environment as a focus for instruction: to plan and organize field trips, teach nature appreciation, inquiry techniques, ecology concepts and stewardship. <strong>Note:</strong> Credit will be granted for only one of 453, EDUC 433. <strong>Prerequisites:</strong> EDCI 450 (formerly EDUC 430).</td>
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<td>EDCI 454</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 434 Environmental Education. This multidisciplinary course is designed to familiarize the educator with a range of issues and teaching methods related to environmental education. Topics include goals for environmental and outdoor education; environmental ethics; current issues and trends; multicultural perspectives towards the land; local, national and global issues, teaching strategies for understanding and resolving environmental issues; program and unit planning. Selected field trips to locations emphasizing current environmental issues. <strong>Note:</strong> Credit will be granted for only one of 454, EDUC 434. <strong>Prerequisites:</strong> EDCI 450 (formerly EDUC 430).</td>
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<tr>
<td>EDCI 455</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 436 The Evolution of Educational Ideas: Philosophy, History and the Classroom. The impact of educational philosophy and the history of education on the culture of the schools will be the focus of this course. Topics will include the evolution and implications of educational ideas, and the changing role of the school in society. <strong>Note:</strong> Credit will be granted for only one of 455, EDUC 436. <strong>Prerequisites:</strong> EDCI 450 (formerly EDUC 430).</td>
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<td>EDCI 456</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 437 Community Development Project. This course is designed to provide students an opportunity to develop and implement a school-based community development project. Working in groups, with a faculty mentor, students will design projects that reflect the principles and themes of community action and positive social change. Sample projects could include environmental protection and restoration initiatives, community based violence prevention programs, home- and school-based media literacy campaigns or multicultural and cultural sensitivity programs. <strong>Note:</strong> Credit will be granted for only one of 456, EDUC 437. <strong>Prerequisites:</strong> EDCI 450 (formerly EDUC 430). <strong>Grading:</strong> INC, COM, N or F.</td>
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<tr>
<td>EDCI 457</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 438 English as a Second Language. A survey of curriculum and instruction designed to develop beginning competence for teaching English as a second language. There are three main themes: language instruction techniques, evaluation of the language and educational needs of ESL students, and developing sensitivity for the prior educational and cultural experiences of ESL students. <strong>Note:</strong> Credit will be granted for only one of 457, EDUC 438, ED-E 491. <strong>Prerequisites:</strong> EDCI 450 (formerly EDUC 430).</td>
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<td>EDCI 458</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: ED-E 444 Mathematics In the Elementary School. Teaching strategies; classroom organization; learning activities and settings; evaluation procedures; instructional materials, their function and use. <strong>Note:</strong> Credit will be granted for only one of 458, ED-E 444. <strong>Prerequisites:</strong> Professional Year.</td>
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<td>EDCI 459</td>
<td>1.5</td>
<td>3-0</td>
<td>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. <strong>Note:</strong> Credit will be granted for only one of 459, ED-E 484. <strong>Prerequisites:</strong> Professional Year.</td>
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<td>EDCI 460</td>
<td>1.0</td>
<td>2-0</td>
<td>Formerly: ED-E 440 Contemporary Literacies and Creative Expression: Theoretical Underpinnings. This course is designed to provide an introduction to the theoretical underpinnings of this strand and offer some engagingly instructional experiences featuring the multi-faceted, multi-modal representation of ideas. <strong>Note:</strong> Credit will be granted for only one of 460, EDUC 440. <strong>Prerequisites:</strong> Completion of Year Three of the Bachelor of Education Elementary program or acceptance in the Post-Degree Professional Program (Elementary).</td>
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<td>EDCI 461</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 441 Language For Higher Thought. An examination of instructional practices to develop high levels of thinking through engagement with literature and through writing in selected genres. Strategies designed to foster divergent, sustained engagement and interpretation of literature and for developing and representing ideas in expressive, poetic and transactional modes will be the focus. <strong>Note:</strong> Credit will be granted for only one of 461, EDUC 441. <strong>Prerequisites:</strong> EDCI 460 (formerly EDUC 440).</td>
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<td>EDCI 462</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 442 Creative Thought and Expression Through Music. Production, perception, and reflection as the basis for music-making. Opportunities to enhance personal musicianship and develop teaching strategies to encourage creativity and critical thinking in elementary students. <strong>Note:</strong> Credit will be granted for only one of 462, EDUC 442. <strong>Prerequisites:</strong> EDCI 460 (formerly EDUC 440).</td>
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<td>EDCI 463</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 443 Visual Thinking. Visual artists use a variety of strategies to develop original imaginary, find creative solutions to problems, and express ideas that cannot be conveyed in any other medium. In this course students will explore the methods artists use to create and communicate. Though they arise from art, the methods can be applied to many other areas of learning. Developmentally appropriate classroom activities and teaching methods are recommended as ways of engaging elementary students in visual thinking. <strong>Note:</strong> Credit will be granted for only one of 463, EDUC 443. <strong>Prerequisites:</strong> EDCI 460 (formerly EDUC 440).</td>
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<td>EDCI 464</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 444 Learning Through Drama. This course explores the role of drama to enrich language/literacy education. Emphasis will be placed on children’s literature and the exploration of a variety of dramatic forms that promote increased understanding within the discipline of drama as well as serving as methodology across the curriculum. <strong>Note:</strong> Credit will be granted for only one of 464, EDUC 444. <strong>Prerequisites:</strong> EDCI 460 (formerly EDUC 440).</td>
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<td>EDCI 465</td>
<td>1.5</td>
<td>3-0</td>
<td>Formerly: EDUC 446 The Art of Mathematics. Mathematics is often erroneously viewed as the application of rule 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. <strong>Note:</strong> Credit will be granted for only one of 465, EDUC 446. <strong>Prerequisites:</strong> EDCI 460 (formerly EDUC 440).</td>
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| EDCI 466 | 1.5 | 3-0 | Formerly: EDUC 447 Scientific and Technological 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 in-
form and persuade others to take action on science
and technology issues.

Note: Credit will be granted for only one of 466, EDUC 447.

Prerequisites: EDI 460 (formerly EDUC 440).

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 plan-
ning and curriculum development. The course will
take an interdisciplinary approach and include teach-
ing strategies for helping students clarify and resolve
environmental issues. Selected field trips.

Note: Credit will be granted for only one of 468, ED-E 473.

EDCI 469 Units: 1.5 Hours: 2-2
Formerly: EDUC 448
Teaching Oral French
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 in-
struction will include both French and English.

Note: Credit will be granted for only one of 469, EDUC
448, ED-B 391.

EDCI 470 Units: 1.5 Hours: 3-0
Formerly: EDUC 449
Literacies and Expression: Professional
Integration
Designed to provide opportunities for prospective
teachers to forge links between the other courses in
the strand and their own interests, skills, experiences,
and styles related to teaching. Portfolios might be
selected as a vehicle for a multi-dimensional docu-
mentation of ideas, insights, and learnings. Students
are encouraged to engage in creative thought and
explore and refine multiple forms of expression and
representation.

Note: Credit will be granted for only one of 470, EDUC
449.

Prerequisites: EDCI 460 (formerly EDUC 440).
Grading: INP, COM, N or F.

EDCI 472 Units: 1.5 Hours: 3-0
Formerly: ED-E 447
Mathematics, Science and Social Studies in
Early Childhood Education
A survey of mathematics, science and social studies
content, materials, methods suitable for children from
ages three to six.

Note: Credit will be granted for only one of 472, ED-E
447.

Prerequisites: ED-B 440, EDCI 421 or consent of
the instructor; Professional Year.

EDCI 480 Units: 1.5 or 3.0 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 permission of the Education
Advising Centre.

EDCI 487 Units: 1.5 or 3.0 Hours: 3-0
Formerly: ED-A 487, ED-B 487, ED-E 487
Special Topics in Education
Topics of current interest or concern to groups of
students.

Note: May be taken more than once for credit in a
degree program with permission of the Education
Advising Centre.

EDCI 494 Units: 1.5 each
Formerly: ED-A, ED-B, ED-E 494; ED-A, ED-B, ED-
E 495
Directed Studies
Research project, directed reading, or additional
course work in a specific area.

494A - Art Education
494D - Drama Education
494G - Educational Technology
494K - Language Arts
494M - Music Education
494N - Teaching of History
494O - Teaching of Geography
494P - Social Studies
494R - Mathematics Education
494X - Science Education

Notes: - Credit will be granted for only one of 494, ED-
A, ED-B, ED-E 494; 495, ED-A, ED-B, ED-E 495
- All students must obtain written approval from the
Education Advising Centre before registering.
- Permission will not normally be given for more than 3
units of directed studies.

EDCI 495 Units: 1.5 each
Formerly: ED-A, ED-B, ED-E 494; ED-A, ED-B, ED-
E 495
Directed Studies
Research project, directed reading, or additional
course work in a specific area.

495A - Art Education
495D - Drama Education
495G - Educational Technology
495K - Language Arts
495M - Music Education
495N - Teaching of History
495O - Teaching of Geography
495P - Social Studies
495R - Mathematics Education
495X - Science Education

Notes: - Credit will be granted for only one of 494, ED-
A, ED-B, ED-E 494; 495, ED-A, ED-B, ED-E 495
- All students must obtain written approval from the
Education Advising Centre before registering.
- Permission will not normally be given for more than 3
units of directed studies.

EDCI 499 Units: 0.5-3.0
Formerly: ED-A, ED-B and ED-E 499
Professional Development - Curriculum and
Instruction
This is a variable content course directed at improv-
ing specific teacher and/or administrator competen-
ties. 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 educa-
tion degree program. Approval must be obtained from
the Education Advising Centre.

Grading: COM, N or F.
EDCI 748 Units: 3.0 Hours: 3-0
Formerly: ED-B 748
Language and Literacy in the Elementary School (Primary or Intermediate Grade Emphasis)
A study of the elementary language arts curriculum emphasizing selection and application of materials, resources, and methods for teaching reading, writing, speaking, and listening.
Note: Credit will be granted for only one of 748, ED-B 748.
Prerequisites: Acceptance in professional year.

EDCI 749 Units: 1.5 Hours: 3-0
Formerly: ED-B 756
General Methods of Second Language Teaching
This course offers students an opportunity to develop abilities in teaching and testing the language features (pronunciation, vocabulary, grammar, and cultural component) and the language skills (listening, speaking, reading, and writing) and to familiarize students with second current second language teaching approaches through the study of representative materials, methodologies, and techniques. Emphasis will be placed on practical classroom techniques and the challenges particular to teaching second languages.
Note: Credit will be granted for only one of 749, ED-B 756. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Director, Secondary Teacher Education.

EDCI 756 Units: 2.0 Hours: 3-0
Formerly: ED-E 743
Curriculum and Instruction in Mathematics in the Elementary School
An examination of the mathematics curriculum and instructional procedures for teaching mathematics: scope and sequence, objectives, classroom settings, teaching strategies, manipulative aids, learning activities, and evaluation procedures.
Note: Credit will be granted for only one of 756, ED-E 743.
Prerequisites: Acceptance in professional year.

EDCI 757 Units: 1.5 Hours: 3-0
Formerly: ED-E 761
Curriculum and Instruction in Secondary School Mathematics
The purpose of this course is to help students develop the pedagogical content knowledge needed to teach secondary school mathematics. This includes knowledge about: the goals, content and sequence of the 8-12 mathematics curriculum, how students learn mathematics, how to plan instructional activities, lessons and units that are meaningful and mathematically correct, teaching strategies that instill in all students enthusiasm and satisfaction in learning and using mathematics, and how to develop and apply appropriate assessment and evaluation techniques. The course will also explore how to establish classroom environments that facilitate problem solving; conceptual understanding, autonomy and issues related to equity and multi-culturalism in teaching mathematics.
Note: Credit will be granted for only one of 757, ED-E 761. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Director, Teacher Education.

EDCI 761 Units: 1.5 Hours: 3-0
Formerly: ED-A 763
Curriculum and Instruction in Secondary School Music
This course is designed to provide students with practical strategies that will inform and enhance professional practice in the secondary music classroom. Through teaching opportunities, presentations, readings, and discussion, this course will develop personal knowledge related to pedagogical issues in music, curriculum design and implementation, program management, assessment strategies, and professional portfolio building.
Note: Credit will be granted for only one of 761, ED-A 763. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Director, Teacher Education.

EDCI 767 Units: 1.5 Hours: 3-0
Formerly: ED-E 769
Curriculum and Instruction in Secondary School Science
A study of the curriculum organization, instructional strategies, and assessment practices in secondary schools. The course will include consideration of the nature of science, the interactions of science, technology, society and environment, the development of science literacy through constructivist approaches to teaching, and selected current trends and issues in science education such as meeting the needs of diverse students and the use of technology in the science classroom.
Note: Credit will be granted for only one of 767, ED-E 769. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Director, Secondary Teacher Education.
- Students with teaching areas in biology, chemistry, physics, or general will enroll in this course.

EDCI 773 Units: 1.5 Hours: 3-0
Formerly: ED-E 757
Curriculum and Instruction in Secondary School Social Sciences
This course will explore the area of Social Studies as a multidisciplinary subject that draws from the social sciences and humanities to study human interaction with natural and social environments. While there will be a theoretical component to the course, the learning of best practices in social studies education will dominate.
Note: Credit will be granted for only one of 773, ED-E 757. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Director, Teacher Education.

EDCI 774 Units: 1.5 Hours: 3-0
Formerly: ED-E 758
Curriculum and Instruction in Secondary School History
Note: Credit will be granted for only one of 774, ED-E 758. Open to students who have completed the prescribed teaching area and are admitted to professional year or Post Degree Professional Program, or who have special permission of the Director, Secondary Teacher Education.

ELEC 199 Units: 1.0 Hours: 1-1.5-1
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 Hours: 3-2
Formerly: ENGR 150
Engineering Graphics
Basic principles of engineering drawing using Computer Aided Design and Drafting; orthographic projections; multiple view drawings; sectional views; electrical schematics; theory of projections for isometric, oblique and perspective pictorial views; computer representation of physical shapes; algorithms for 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 or 111, 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, electromagnetic force, energy stored in a magnetic field, Magnetism and magnetic circuits. Time varying fields. Capacitance, resistance, inductance, and their characterization.
Note: Credit will be granted for only one of 216, PHYS 216.
Pre- or corequisites: MATH 200.

ELEC 220 Units: 1.5 Hours: 3-0-1
Electrical Properties of Materials
Materials for engineering, atomic bonding, crystalline structures, properties of metals, glasses, semiconductors, insulators and magnetic materials. Electronic conduction in solids and simple devices. Materials in engineering design and environmental effects.
Prerequisites: PHYS 125 or PHYS 112; 216 or PHYS 216 which may be taken concurrently, and MATH 200.

ELEC 250 Units: 1.5 Hours: 3-1.5-1
Linear Circuits: I

**Prerequisites:** ELEC 255 and ELEC 260.

**ELEC 260** Units: 1.5 Hours: 3-0-1

**System Dynamics**

**Prerequisites:** MATH 101.

**ELEC 300** Units: 1.5 Hours: 3-1.5-1

**Linear Circuits:**

**Prerequisites:** 250 and 260.

**ELEC 310** Units: 1.5 Hours: 3-0

**Digital Signal Processing:**

**Prerequisites:** 255 or 260.

**ELEC 320** Units: 1.5 Hours: 3-1.5

**Electronic Devices:**

**Prerequisites:** 220.

**ELEC 330** Units: 1.5 Hours: 3-1.5

**Electronics Circuits:**

**Prerequisites:** 250.

**ELEC 340** Units: 1.5 Hours: 3-1.5

**Electromagnetic Field Theory**

**Prerequisites:** 216 or PHYS 216; 260.

**ELEC 350** Units: 1.5 Hours: 3-1.5

**Communications Theory and Systems:**
- Principles of amplitude, frequency and phase modulation; design of communication systems using link budget; modulators, mixers and demodulators; elementary digital communications, PSK, FSK. System analysis using MATLAB; random processes, power spectral density, noise in communication systems, matched filters.

**Prerequisites:** 310 and 330.

**ELEC 360** Units: 1.5 Hours: 3-1.5

**Control Theory and Systems:**
- Characterization of systems: linearity, time invariance, and causality. General feedback theory: time and frequency domain analysis of feedback control systems; Routh-Hurwitz and Nyquist stability criteria; root locus methods; modelling of dc servos; design specifications and system performance; design of PID controllers; lead and lag compensators; introduction to state-space methods.

**Prerequisites:** 255 or 260.

**ELEC 365** Units: 1.5 Hours: 3-1.5-1

**Applied Electronics & Electrical Machines**
- Characteristics of electronic devices including diodes, bipolar junction transistors and operational amplifiers; analysis of practical electronic circuits such as rectifiers, voltage regulators, amplifiers and filters; fundamentals of electromagnetic energy conversion; transformers and actuators; operating principles of rotating electric machines: dc machines and ac machines.

**Prerequisites:** 216 or PHYS 216; 250.

**ELEC 370** Units: 1.5 Hours: 3-1.5

**Electromechanical Energy Conversion**

**Prerequisites:** 250.

**ELEC 380** Units: 1.5 Hours: 3-1.5

**Electronic Circuits:**

**Prerequisites:** Fourth-year standing.

**2007-08 UVIC CALENDAR**

Circuit design, simulation, implementation and testing.

**ELEC 395** Units: 1.0 Hours: 2-0

**Formerly: ENGR 395**

**Seminar**
- The main purpose of this course is to provide students with an opportunity to exercise their ability to present and to defend their thoughts on professional topics of their own choice. Students will be encouraged to devote some of their discussions to such topics as continuing professional education, professional societies and organization of engineering employment. Students will also be made aware of the role and responsibilities of Professional Engineers in society with respect to the environment, ethics, equity, public and worker safety and health considerations.

**Note:** Credit will be granted for only one of 395, ENGR 395.

**Prerequisites:** Completion of term 1B and one work term.

**Grading:** COM, N or F.

**ELEC 400** Units: 1.5 Hours: 3-0-1

**Random Signals**
- Random processes, continuous and discrete auto- and cross-power and energy spectral densities, auto- and crosscorrelation and covariance functions and their measurements and estimation with numerical computations; stationarity, ergodicity; white noise, narrowband noise, pseudo-random noise, input-output crosscorrelation, optimum filters for detection and estimation and their software implementations; characteristic functions, sum of random variables.

**Prerequisites:** 310, STAT 254 or 260, and fourth-year standing.

**ELEC 403** Units: 1.5 Hours: 3-1.5

**Engineering Design by Optimization**
- The steepest descent and Newton methods for unconstrained optimization. Golden section, quadratic, cubic and inexact line searches. Conjugate and quasi-Newton methods. The Fletcher-Reeves algorithm. Application to the design of circuits, control systems, filters, and mechanical systems using optimization techniques. Introduction to constrained optimization. The course includes laboratory sessions to program various optimization algorithms and to apply them to several modeling and engineering design problems.

**Prerequisites:** 310 or CSC 349A, and fourth-year standing.

**ELEC 404** Units: 1.5 Hours: 3-1.5

**Microwaves and Fiber Optics**
- Transmission line theory, Smith chart and design examples, transmission lines and waveguides, network analysis, design of impedance matching and tuning networks, aspects of coupled lines, radiation and amplification, optical fibers, numerical aperture, single mode and multimode fibers, chromatic dispersion, fiber optic components.

**Prerequisites:** 300 and 340, and fourth-year standing.

**ELEC 405** Units: 1.5 Hours: 3-0

**Error Control Coding and Sequences**
- Coding approaches and characteristics; linear block codes, convolutional code structure and Viterbi decoding; automatic repeat request techniques; trellis coded signaling; sequence design, error control in data storage systems and in information transmission.

**Prerequisites:** Fourth-year standing.
ELEC 407 Units: 1.5 Hours: 3-0
Digital Signal Processing: II
Note: Credit will be granted for only one of 407, 458.
Prerequisites: 310 and fourth-year standing.

ELEC 410 Units: 1.5 Hours: 3-1.5
Power Electronics
Prerequisites: 370 and 380, and fourth-year standing.

ELEC 412 Units: 1.5 Hours: 3-0
Electronic Devices: II
Prerequisites: 320 and fourth-year standing.

ELEC 420 Units: 1.5 Hours: 3-0
Nanotechnology
Prerequisites: 320 and fourth-year standing, or permission of the department.

ELEC 426 Units: 1.5 Hours: 3-1.5
Robotics
Note: Credit will be granted for only one of 426, 425, 475, MECH 430.
Prerequisites: 360, MECH 141 or 245, PHYS 122, and fourth-year standing.

ELEC 450 Units: 1.5 Hours: 3-1.5
Communications Theory and Systems: II
Transmission and filtering of random signals, analysis of modulation systems, in particular pulse code modulation, phase shift keying, frequency shift keying, etc., design of modems and of CODECs, introduction to noise analysis, information theory and coding.
Prerequisites: 350 and fourth-year standing.

ELEC 452 Units: 1.5 Hours: 3-1.5
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 photodetectors, PIN photodiode, avalanche photodiode, electro-optic modulators, couplers, attenuators, isolators, switches, fiber optic systems.
Prerequisites: 340 and fourth-year standing.

ELEC 453 Units: 1.5 Hours: 3-0
Antennas and Propagation
Antenna and propagation fundamentals, Friis transmission formula, radar equation, Maxwell's equations for radiation problems, antenna parameters, simple radiators, array theory, mutual coupling, wire and broadband antennas, aperture radiators, scattering and diffraction, multipath propagation and fading, antenna measurement techniques, surface-wave and ionospheric propagation, microwave and millimeter-wave propagation.
Prerequisites: 404 and fourth-year standing.

ELEC 454 Units: 1.5 Hours: 3-1.5
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.

ELEC 456 Units: 1.5 Hours: 3-0
Mobile Communications
Fading and shadowing, noise and interference effects; source coding, modulation, error control coding, spread spectrum and multiplexing techniques for mobile communications; capacity estimation and comparative (FDMA/TDMA/CDMA) analysis of PCN and Cellular Systems; capacity estimation for wireless PABX and LAN systems.
Prerequisites: 350 and fourth-year standing.

ELEC 459 Units: 1.5 Hours: 3-1.5
Digital Signal Processing: III
Prerequisites: 407 and fourth-year standing.

ELEC 460 Units: 1.5 Hours: 3-0
Control Theory and Systems: II
Prerequisites: 360 or MECH 435, and fourth-year standing.

ELEC 466 Units: 1.5 Hours: 3-1.5
System-on-Chip Engineering for Signal Processing
Design and System-on-Chip (SOC) implementation for signal processing applications. SOC design and testing methodologies, Platform-based design, Intellectual Property (IP) reuse, and built-in self-test. Controlling power consumption in SOC implementations. SOC multi-technology integration of analog and digital electronics, sensors and MEMS.
Prerequisites: CENG 355 or MECH 405 or CSC 355; ELEC 310 or MECH 435 and 455, and fourth-year standing.

ELEC 481 Units: 1.5 Hours: 3-0
Analog VLSI Systems
Review of IC technologies, device models and design concepts. Design of monolithic op amps, regulators, multipliers, oscillators, PLLs, A/D and D/A converters and other nonlinear and high-speed ICs. Study and design of integrated filters, switched-capacitor circuits, CCDs and other sampled-data circuits. Design and applications of analog neural network and other analog-digital LSI.
Prerequisites: 320 and 380, and fourth-year standing.

ELEC 482 Units: 1.5 Hours: 3-0
Electrical Drive Systems
Elements of drive systems, characterization of mechanical loads, requirements of electrical drive systems, dynamic equations and modelling of electrical machines, dc drives with various dc power sources, induction motor drives, ac controllers, slip-energy recovery, constant air-gap flux, synchronous motor drives, permanent magnet motors, reluctance motors.
Prerequisites: 365 or 370, and fourth-year standing.

ELEC 483 Units: 1.5 Hours: 3-0
Digital Video Processing: Algorithms and Applications in Media
Prerequisites: 310 and fourth-year standing.

ELEC 484 Units: 1.5 Hours: 3-0
Audio Signal Processing
Prerequisites: 310 and fourth-year standing.

ELEC 485 Units: 1.5 Hours: 3-0
Formerly: CENG 485
Pattern Recognition
Parallel and sequential recognition methods. Bayesian decision procedures, perceptions, statistical and syntactic approaches, recognition grammars. Feature extraction and selection, scene analysis, and optical character recognition.
Note: Credit will be granted for only one of 485, CENG 485.
Prerequisites: STAT 254 or 260, and fourth-year standing.

ELEC 486 Units: 1.5 Hours: 3-0
Wavelets and Multirate Signal Processing
Functional analysis and Fourier analysis; downsampling, up-sampling, noble identities, polyphase representations of signals and filters, uniformly maximally decimated filter banks, and tree-structured filter banks; multiresolution approximations, wavelet systems, scaling and wavelet functions, and relationship between wavelets and filter banks; applications of
wavelet systems in signal compression and noise reduction.

Prerequisites: 310 and fourth-year standing.

**ELEC 496**

**Units:** 1.5

**Selected Topics in Electrical Engineering**

**Note:** May be taken more than once for credit in different topics to a maximum of 3 units with permission of the Chair of the Department.

**Prerequisites:** The student must be registered in term 4A or 4B.

**ELEC 499**

**Units:** 1.5

**Hours:** 0-6

**Formerly:** ELEC 499A and 499B

**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.

**Note:** Credit will be granted only for one of 499, 499A, 499B.

**Prerequisites:** Fourth-year standing in the Electrical Engineering Program or permission of the Department.

**ENGL**

**English Department of English**

**Faculty of Humanities**

**ENGL 099**

**Units:** 0

**Hours:** 3-0

**Remedial English Composition**

A remedial course in writing required of those whose score on the LPI indicates serious deficiencies in composition skills; a workshop approach provides instruction and drill in the fundamentals of reading comprehension and composition, including vocabulary, grammar, mechanics, sentence structure, and paragraphing. Space in the course may be available for other students with writing difficulties who may be advised to take it. For further information, see page 137.

**Note:** 3 fee units.

**Grading:** COM, N or F.

**ENGL 115**

**Units:** 1.5

**Hours:** 3-0

**University Writing**

Writing, research, and organizational skills appropriate for university-level writing; written assignments designed to improve the student's ability to write clearly and correctly, to organize material, and to carry out basic library research.

**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 only for 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 only for 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 only for one of 200A, 150, 200.

**ENGL 200B**

**Units:** 1.5

**Formerly:** part of 200

**Augustan and Romantic Literature**

Major works of the later 17th, 18th and early 19th centuries. Subjects may include the transformation of institution and ideologies during the Enlightenment and the French Revolution, the literary practice of satire, the rise of the novel, and the Romantic movement. Readings may include works by Dryden, Behn, Congreve, Defoe, Swift, Pope, Fielding, Johnson, Sheridan, Blake, Wordsworth, Coleridge, Keats, Byron, Shelley, or Austen.

**Note:** Credit will be granted only for one of 200B, 151, 200.

**ENGL 200C**

**Units:** 1.5

**Hours:** 3-0

**Victorian and Edwardian Literature**

A study of Victorian and Edwardian Literature. Issues such as Darwinism, industrialization, class struggle, religious controversy, imperialism, the construction of gender, questions of realism, and the development of modernism. Readings may include works by the Brontes, Dickens, Tennyson, the Brownings, Hardy, Wilde, Shaw, Yeats, Conrad, or Mansfield, as well as popular theatre, detective and science fiction, working-class poetry, and film versions of 19th- and early 20th-century texts.

**ENGL 201**

**Units:** 1.5, formerly 3

**Hours:** 3-0

**Introduction to Modern Literature**

Fiction, poetry and drama in 20th-century literature from a transnational perspective; themes which address contemporary issues across national boundaries, such as the commodification of society, the fragmentation of the self, or gender and minority issues; authors may include W.B. Yeats, James Joyce, T.S. Eliot, or Virginia Woolf.

**ENGL 202**

**Units:** 1.5, formerly 3

**Hours:** 3-0

**Introduction to Canadian Literature**

A general introduction to Canadian literature, placing selected 19th- and 20th-century works within the contexts of an interdisciplinary study of Canada; important themes in the study of Canadian literature, using novels, poems, stories, songs, movies and essays. Topics may include the representation of historical events in literature, gender and nationality, the construction of individual identity in relation to community and nation, and First Nations and ethnic issues.

**ENGL 203**

**Units:** 1.5, formerly 3

**Hours:** 3-0

**Introduction to American Literature**

Poetry, fiction, and non-fiction literature of the United States from the 17th century to the present; issues such as the American Dream, gender and minority issues, or the nation’s understanding of itself as a continuing experiment in democracy. Readings may include works by R.W. Emerson, E.A. Poe, Walt Whitman, Emily Dickinson, Mark Twain, William Faulkner, Ezra Pound, Robert Frost, Langston Hughes, or Toni Morrison.

**ENGL 210**

**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 com-
munication 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.

F01: Past and Present: Historical Record and Literary Response

Examination of literary responses (in essay, novel, and film) to medieval historical texts (chronicle, autobiography, and correspondence). Exploration of what value authors place on historical works as they imagine and assess the past. Comparative study of literary works and their direct sources. Multiple genres and historical periods considered. All medieval texts read in translation.

S01: Arthurian Romance

A study of Arthurian legend from its medieval origins through to selected post-medieval adaptations in literature, film, music, and pop culture. Focussing on such issues as translation and adaptation, violence and sentimental love, women as quest characters, chivalric masculinity, and images of alien lands. Authors are likely to include Malory, Spenser, and Tennyson. Film versions may include Excalibur and Monty Python and the Holy Grail.

**Notes:** Students may take 250 for a maximum of 3 units of credit.

**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.

**Notes:** Credit will be granted for only one of 301, 225, 226, 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 304** Units: 1.5 Hours: 3-0

**Writing Popular Science**

The writing of relevant, entertaining, accurate science pieces for the general reader. Students will explore science as a cultural construct, and will examine science writing from the 18th century to the present, with an emphasis on contemporary topics, e.g., AIDS, cloning, space exploration, climate change, drug resistance, medicine.

**Notes:** Credit will be granted for only one of 304, 406 (if 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 305** Units: 1.5 Hours: 3-0

**Visual Rhetoric for Professional Writers**

Recognition and analysis of visual design to deliver effective visual messages to readers. Students will develop their own visual arguments through the use of images and text, focusing on the elements and techniques of visual design.

**Notes:** May not be counted toward Honours, Major, General or Minor Literature Programs in English.

**Prerequisites:** 3 units from the following list with a minimum grade of B+ in each course: ENGL 115, 125, 135, 145, 181, 182, 215, 225; ENGR 240.

**ENGL 310** Units: 3.0 Hours: 3-0

**Practical Criticism**

A seminar designed to extend awareness of how style and form contribute to meaning in literary works; poetic, narrative, and dramatic technique; representational 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 351** Units: 1.5 Hours: 3-0

**Old and Middle English Literature in Translation**

A survey of English literary texts of the Middle Ages; selection from his dream visions and lyrics. 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 352** Units: 1.5 Hours: 3-0

**Chaucer and His Contemporaries**

The major works of Chaucer outside the Canterbury Tales, primarily Troilus and Criseyde, and a selection from his dream visions and litanies. 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.

This year: Medieval Prose

A survey of major authors and works of Middle English prose. Study of multiple genres: historical works, sermon literature and religious instruction, women’s writing, saints’ legends, romances, mystical works, and some non-canonical works of Chaucer. Middle English texts concerned in conjunction with corresponding Latin literature (in translation). Middle English read in the original language whenever possible.

**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

**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 Hrafnkel Saga, Bandmanns Saga, Heidar Saga and Heidrekks, and selected Eddic poems.

**Note:** Credit will be granted for only one of 347, 356.

**Prerequisites:** 346 or permission of the instructor.

**ENGL 355** Units: 1.5 Hours: 3-0

**Canterbury Tales**

An introductory study of Chaucer’s poetry focusing specifically on the Canterbury Tales.

**ENGL 356** 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.

This year: Medieval Prose

A survey of major authors and works of Middle English prose. Study of multiple genres: historical works, sermon literature and religious instruction, women’s writing, saints’ legends, romances, mystical works, and some non-canonical works of Chaucer. Middle English texts concerned in conjunction with corresponding Latin literature (in translation). Middle English read in the original language whenever possible.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

**ENGL 348** 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 349** 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, 442.

**ENGL 350** Units: 1.5 Hours: 3-0

**Copy Editing for Professional Writers**

Intermediate copy editing and preparing print and electronic manuscripts. Topics include editing of style, grammar, mechanics, graphics, and document design. Manuscripts on a range of topics, including natural and social sciences, the arts and humanities, and business and technology; use of computer applications.

**Notes:** Credit will be granted for only one of 303, 216 if 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 304** Units: 1.5 Hours: 3-0

**Writing Popular Science**

The writing of relevant, entertaining, accurate science pieces for the general reader. Students will explore science as a cultural construct, and will examine science writing from the 18th century to the present, with an emphasis on contemporary topics, e.g., AIDS, cloning, space exploration, climate change, drug resistance, medicine.

**Notes:** Credit will be granted for only one of 304, 406 (if 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 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.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 364  Units: 1.5  Hours: 3-0
English Renaissance Drama
Main emphasis is on such major Elizabethan and Jacobean dramatists as Marlowe, Webster, Jonson, Middleton and Ford.

ENGL 365  Units: 1.5  Hours: 3-0
Seventeenth-Century Poetry and Prose to 1660
Major non-dramatic writers of the period, excluding Milton. Among those to be studied in any given year are John Donne and the other Metaphysical poets (Herbert, Crashaw, Vaughan, Marvell, Traherne); Ben Jonson and the Cavalier poets (Herrick, Lovelace, Suckling, Carew); and prose writers such as Bacon, Burton, Browne, Traherne, and Hobbes.
Note: Credit will be granted for only one of 365, 361.

ENGL 366B  Units: 1.5  Hours: 3-0
Formerly: part of 366 and 366A
Shakespeare: Histories and Tragedies
Study of such plays as Richard II, Henry IV, Henry V, Hamlet, King Lear, Othello, Macbeth, and Antony and Cleopatra.
Note: Credit will be granted for only one of 366B, 366, 366A, 366D.

ENGL 366C  Units: 1.5  Hours: 3-0
Formerly: part of 366 and 366A
Shakespeare: Comedies, Problem Plays, and Romances
Study of such plays as A Midsummer Night's Dream, As You Like It, Twelfth Night, The Merchant of Venice, Measure for Measure, Troilus and Cressida, The Winter's Tale, and The Tempest.
Note: Credit will be granted for only one of 366C, 366, 366A, 366E.

ENGL 366D  Units: 1.5  Hours: 0-0-1
Formerly: part of 366 and 366A
Shakespeare (Individual Studies): Histories and Tragedies
A version of 366B, in which students will work with written, audio, and video materials in their own time; in addition, there will be tutorials and work in computer labs.
Note: Credit will be granted for only one of 366D, 366, 366A, 366B.

ENGL 366E  Units: 1.5  Hours: 0-0-1
Formerly: part of 366 and 366A
Shakespeare (Individual Studies): Comedies, Problem Plays, and Romances
A version of 366C, in which students will work with written, audio, and video materials in their own time; in addition, there will be tutorials and work in computer labs.
Note: Credit will be granted for only one of 366E, 366, 366A, 366C.

ENGL 369  Units: 1.5  Hours: 3-0
Milton: Major Poetry and Selected Prose
A study of Paradise Lost, Samson Agonistes, and other poems and prose.

ENGL 372  Units: 1.5  Hours: 3-0
Special Studies in 18th Century Literature
A study of a major aspect of literature in the century. The specific focus of the course will be determined by the instructor and advertised annually.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 373  Units: 1.5  Hours: 3-0
English Literature of the Restoration Period: 1660-1700
Poetry, prose and drama (excluding Milton's) produced between the Restoration of Charles II in 1660 and the close of the 17th century; particular emphasis will be placed upon Dryden and Restoration Comedy.

ENGL 374  Units: 1.5  Hours: 3-0
Swift, Pope, and the Literature of the Augustan Age: 1701-1745
An intensive study of the great age of English satire, with particular emphasis on Swift, Pope and the other satirists of the reigns of Queen Anne and the first two Georges.

ENGL 375  Units: 1.5  Hours: 3-0
Johnson, Blake and the Later 18th Century
A preliminary account of English neoclassicism followed by a study of literature of the Age of Sensibility with special emphasis on Samuel Johnson and his circle and on William Blake.

ENGL 376A  Units: 1.5  Hours: 3-0
Formerly: part of 376 and 423
The Beginning of the English Novel: 1660-1750
A study of the development of the English novel in this period, with some attention to social and intellectual backgrounds when these appear to illuminate the novels.
Note: Credit will be granted for only one of 376A, 376, 423.

ENGL 376B  Units: 1.5  Hours: 3-0
Formerly: part of 376 and 423
The English Novel: 1750 to the Early 19th Century
A study of the development of the English novel in this period, with some attention to social and intellectual backgrounds when these appear to illuminate the novels.
Note: Credit will be granted for only one of 376B, 376, 423.

ENGL 379  Units: 1.5  Hours: 3-0
Victorian Poetry
A study of the Victorian prose essay, both as a specific literary genre with its own methods and literary traditions, and as a vehicle for social criticism.
Note: Credit will be granted for only one of 376B, 376, 423.

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,
ENGL 391 Units: 1.5 Hours: 3-0
Special Studies in Literary Genre
A variable content course which focuses on a specific Literary Genre irrespective of geographic and political boundaries.
This year: Short Story in Canada
An introduction to the forms and contexts of the Canadian short story, from its beginnings in the prose sketch form to the work of contemporary writers like Munro and Thomas King. Consideration of the relationships between gender and genre, race and representation, and the construction of a unique Canadian nationality.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 392 Units: 1.5 Hours: 3-0
Studies in a Major Figure
A study of the works of a single literary figure.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 393 Units: 1.5 Hours: 3-0
Myth and Literature
A variable content course which studies texts that develop ideas of myth.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 394 Units: 1.5 Hours: 3-0
Thematic Approaches to Literature
A variable content course which focuses on a specific literary theme in a variety of texts.
This year: Literature of two Coastlines
An introduction to popular and contemporary fiction from the East and West coasts of Canada, by mainstream and ethnic minority writers. Consideration of regional traditions, innovative form, realism and political advocacy in fiction. The publishing industry in Canada and its accessibility to regional writers.
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.
This year: Imagined Communities: The Postmetropole in Speculative Fiction and Film
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.

ENGL 401 Units: 1.5 Hours: 3-0
Web Design
Writing delivered via the World Wide Web with emphasis on usability testing, Techniques and tools for producing Web pages and sites, including page and site design, navigation, frames, DHTML, annotation, style sheets, JavaScript, rich media.
Note: May not be counted toward upper-level requirements in Honours, Major, General or Minor Programs in English.
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 402 Units: 1.5 Hours: 3-0
Children's Literature
The study of a selection of works drawn from various genres and periods of children's literature, including novel, folk tale, myth, fantasy and picture book.
Note: Credit will be granted for only one of 402, EDCI 347A.

ENGL 403 Units: 1.5 Hours: 3-0
Literary 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.
Notes: - Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.
- May not be counted toward upper-level requirements in Honours, Major, General or Minor Programs in English.
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 web sites.
Notes: - Credit will be granted for only one of 407, 406 if 406 taken in the same topic.
- May not be counted toward upper-level requirements in Honours, Major, General or Minor Programs in English.

ENGL 408 Units: 1.5 Hours: 3-0
Electronic Documentation
Basic principles of creating electronic documentation, including task and audience analysis, usability, interactivity, and rich media. Topics include: documentation via text and graphics; animated screen capture; live action video.
Notes: - Credit will be granted for only one of 408, 406 if 406 taken in the same topic.
- May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.
Prerequisites: 401 or permission of the department.

ENGL 409 Units: 1.5 Hours: 3-0
The Bible in English
A course in the Bible as Literature, surveying basic books of the Old and New Testaments, such as Genesis, Deuteronomy, Job, Song of Songs, Psalms, selected Wisdom Literature, Isaiah, selected minor prophets, Matthew, John, Acts, selected Pauline epistles, Hebrews and Revelation. Attention will be paid to the historical influence of the English Bible on the style and structure of English literature, as well as to the intrinsic literary features of the Biblical books themselves.
Note: Credit will be granted for only one of 409 and 365 if 365 taken prior to 1983. Not applicable as Renaissance credit for Major and Honours students.

ENGL 410 Units: 3.0 Hours: 3-0
Backgrounds to English Literary Traditions
A study of intellectual backgrounds to Medieval and Renaissance literature; the contribution of Greek and Biblical materials in the formation of literary commonplaces and critical vocabularies. Among authors and topics that may be studied are Homer, Plato, Aristotle, Biblical writers, Vergil, Patristic theology, and the impact of Renaissance Humanism on the development of literary commonplace 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.
Note: May not be counted toward upper-level requirements in Honours, Major, General or Minor Programs in English.
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.
This year: Joan of Arc in History, Literature, and Film
An exploration of some of the many attempts to capture the life of Joan of Arc on the stage and screen. Topics will include transcripts of her trial and works by Twain, Shaw, Anouilh, Anderson, Brecht. Films will include works directed by Dreyer, Fleming, Preminger, Rivette, Besson. Topics will include the relationship between film and literature, and the treatment of female sanctity in post-Christian culture.
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 416 Units: 1.5 Hours: 3-0
Electronic Expression
Hands-on investigation into the ideas and techniques of electronic expression; rethinking the traditional, two-dimensional static versions that professional and technical writers must routinely produce; responding more usefully to the shifting needs of readers.
Notes: - Credit will be granted for only one of 416, 406 (if taken in the same topic).
- May not be counted toward upper-level requirements in Honours, Major, General or Minor Literature Programs in English.
Prerequisites: 401

ENGL 425 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.
This year: Multiethnic American Literature
A study of twentieth century American literature by African American, Asian American, Native American and/or Chicano/a writers. Authors to be covered may include Hurston, Ellison, Morrison, Kingstone, Okada, Wong, Momaday, Silko, Anzaldúa, Cisneros.
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 426 Units: 1.5 Hours: 3-0
Studies in North American Literature
A variable content course which examines comparable themes, periods or authors in both Canadian and American literature.
This year: Aboriginal/Indigenous Women’s Writing and Literary Decolonization
Course explores texts by Aboriginal/Indigenous women writers to question how they appropriate the cultural terrain of the dominant discourse and construct narratives of identity. Focus on novels from the early to the late twentieth century. Discussions will range across literary texts, as well as relevant historical, political, and social contexts that impinge on the representation of Aboriginal/Indigenous women within particular nations and cultures.
Note: Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 427 Units: 1.5 Hours: 3-0
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: I
A study of American fiction up to the Civil War. Authors to be covered may include Irving, Cooper, Poe, Hawthorne, Melville, Story.
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: World War II
The American short story and novel in the first 40 years of the 20th Century; authors may include Gilman, Cather, Hemingway, Fitzgerald, Faulkner, Stein, Steinbeck.
Note: Credit will be granted for only one of 429A, 429.

ENGL 429B Units: 1.5 Hours: 3-0
Formerly: part of 429
Mid-20th Century American Fiction
The American short story and novel from the 1940s to the 1970s. Among authors that may be studied are O’Connor, Nabokov, Vonnegut, Bellow, Malamud.
Note: Credit will be granted for only one of 429B, 429.

ENGL 429C Units: 1.5 Hours: 3-0
Formerly: part of 429
Contemporary American Fiction
A study of the American novel and short story from the 1970s to the present. The following authors may be included: Toni Morrison, Alice Walker, Tim O’Brien, Raymond Carver, Grace Paley, Don DeLillo, Thomas Pynchon, Ishmael Reed.

ENGL 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, 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, Allen Ginsberg, 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.
Note: Credit will be granted for only one of 436B, 436.

ENGL 437A Units: 1.5 Hours: 3-0
Formerly: part of 437
Modern Drama to World War II
The play as a literary form; examination of styles, techniques, themes and moods in drama from the 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.
This year: "In a Tremor of Struggling Revolt:" Post-colonial African Literatures and Film
A juxtaposition of formal and political geographies through the study of African texts and films. Topics will include: colonial and postcolonial histories and literary responses; nations and nationalism; relations of gender, class, race, and sexuality in literature; Orientalism; diasporas; Negritude; AIDS; religion and inter-religious strife; the legacy of Apartheid; genocide and human rights.
Note: Credit will be granted for only one of 439B, 439. Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

ENGL 440 Units: 1.5 Hours: 3-0
The History of the English Language
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.
This year: Men Desiring Men in Canadian Poetry and Drama
A study of contemporary Canadian drama that aims to explore its vigour and variety – variety in form, theme, and performative presentation, and in the voices and backgrounds of the playwrights. Focused on works written in English, but including a seminal French-Canadian text in translation.
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.
This year: Defining the Human: A Literary/Philosophical Inquiry
This course problematizes basic assumptions of humanism by juxtaposing several discourses in which humanism itself is thrown radically into question. We will explore the meaning of the "human" in postcolonial contexts, in the Holocaust's aftermath, in relation to animals, and in cybernetics. How does the positioning of the "other" to the human help us to understand the basis and limits of humanistic discourse from Descartes forward?
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 three 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 Webb, 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 Allderdale 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, 446, 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.
This year: Queer Theory
This course will examine some of the key critical interventions that queer theory has made in understandings of sexuality, gender and subjectivity. Begin-
ning with a brief look at earlier modern psychoanalytical literature on the topic of sexuality and desire, this course will then go on to investigate some of the new directions for thinking about bodies that queer, feminist, trans and postcolonial critics have opened up. Some of the specific topics will include: the idea of bodies and desires as having histories; conceptualizations of sex, gender and sexuality as 'compulsory performances' of sorts; queer, trans and intersex challenges to sex/gender binaries; colonial histories, the racialized body, and desire.

**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.

This year: Writing by Women of Colour and Transnational Feminisms

Examines women of colour, indigenous women and Third World women's writing amidst the conceptual frameworks of transnational feminist theory; explores current conditions, challenges and possibilities of intersectional feminist theorizing, practice and cultural production.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

**ENGL 466**

*Units: 1.5*  
*Hours: 3-0*

**Cultural Studies**

An interdisciplinary study of issues in contemporary culture, especially the impact of popular culture on postmodern self-understanding; individual instructors may focus on various cultural manifestations, ranging from print media (novels, magazines, posters, newspapers) to visual media (film, TV, art, architecture), electronic media (internet) to music; themes may include commodification, the construction of identity, ideological manipulation, hyperreality.

**ENGL 467**

*Units: 1.5*  
*Hours: 3-0*

**Honours Seminar: Early Twentieth-Century Literary Theory**

Varied topics of literary and critical theory from the first half of the twentieth century, examining the theories in themselves and considering how they emerged from their historical matrices. Also theoretical developments in continental Europe, such as Russian Formalism and the Marxist tradition of literary analysis.

**ENGL 468**

*Units: 1.5*  
*Hours: 3-0*

**Honours Seminar: Late Twentieth-Century Literary Theory**

Literary and critical theory in the later part of the twentieth century, covering poststructuralist strategies (in deconstruction, psychoanalysis, new historicism, and feminism) and the "politicization of aesthetics" (in neo-Marxist theory, postcolonialism, gender studies, and cultural studies). Literary texts in relation to capitalist, patriarchal, Eurocentric, and heteronormative discourses.

**Prerequisites:** 467.

**ENGL 470**

*Units: 1.5*  
*Hours: 3-0*

**Women's Literary Traditions**

A variable content course which explores the role of women writers in any area of literary history; it may examine specific genres or themes used by women authors.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

**ENGL 471**

*Units: 1.5*  
*Hours: 3-0*

**Women and Literature**

A variable content course involving texts by and about women, and examining feminist perspectives on literature.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

**ENGL 472**

*Units: 1.5*  
*Hours: 3-0*

**Gender Issues in Literature**

A variable content course on a range of theories about the construction of sexual and gender identities (such as masculinity and femininity).

This year: Gender and Sanctity in the Middle Ages

Study of the idea of female sanctity in the English middle ages, with particular attention paid to the relationship of sexuality and religion. Comparative analysis of texts with male and female subjects, of successful and "failed" saints, of instructional texts and narrative texts, and of texts written by men and by women, will allow historical exploration of the Christian model of the feminine and of medieval women’s lives. Some work with Middle English texts required.

**Note:** Topic is announced each year. May be taken more than once for credit in different topics to a maximum of 3 units.

**ENGL 473**

*Units: 1.5*  
*Hours: 3-0*

**Women Writers in English from the Medieval to the Augustan Age**

An examination of early women writers' responses to major literary genres; social, political, and spiritual issues; interaction with recognized male writers; distinctive literary traditions and relationships.

**Prerequisites:** Strongly recommended: 150/151, 200 or 200A/200B; students without these courses should obtain the instructor's advice about background reading before the course begins.

**ENGL 474**

*Units: 1.5*  
*Hours: 3-0*

**Women Writers from the Age of Sensibility to the Victorian Era**

An examination of women writers from Burney to Eliot; major literary genres; social, political, and spiritual issues; interaction with male writers; formation of distinctive literary traditions and relationships.

**Prerequisites:** Strongly recommended: 150/151, 200 or 200A/200B; students without these courses should obtain the instructor's advice about background reading before the course begins.

**ENGL 490**

*Units: 1.5*  
*Hours: 3-0*

**Directed Reading in English**

A specified reading project for Honours students to be determined by the student and the instructor; written assignments will be required. Students registering for this course must obtain the approval of the individual instructor, 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 Information section.

**ENGL 491**

*Units: 1.5*  
*Hours: 3-0*

**Directed Reading in English**

Further supervised study in some area of English literature; written assignments will be required.

**Note:** Credit will be granted for only one of 491, 490 if 490 taken for 3 units prior to 1976-77. ENGL 491 is a tutorial intended primarily for students in the Honours Program. Students registering for this course must first obtain the approval of the individual instructor, the Director of Majors Programs or the Director of Honours.

**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 memos, 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**

Technical Report
A major technical report demonstrating written communication and analytical skills. The report topic must be approved by the Engineering and Computer Science/Math Co-op Program Manager at least two months prior to submission. Work Term Report Guidelines in effect at the time of registration govern report style and format. Students must register in this course in the term preceding the final term of their program (academic or work term) and the report must be submitted to the Engineering and Computer Science/Math Co-op Office by the first Friday in the final term of the student's program.

Prerequisites: 240.

Integrated Mechatronics and Embedded Systems Project
Students will undertake a significant design project working in multidisciplinary teams. The focus of the project will be the development of a Mechatronics/Embedded System for a specified industrial application. The objective of the project will be to develop and test a full or partial prototype.

Note: Open only to students in an MES option or program or by pre- and corequisites.

Prerequisites: MEC 350 and 360 and one of MEC 405 or CSC 230 or CENG 255.

Corequisites: MEC 435.

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.

Entrepreneurship Faculty of Business
Courses offered by the Faculty of Business are also found under the following course codes: COM (Commerce), HSM (Hospitality Services Management), IB (International Business), MBA (Master's 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 financial analysis into a comprehensive business plan. The business venture is examined with respect to financial planning, marketing, management, and tax decisions at the various stages of the business life cycle.

Note: Credit will be granted for only one of 402, 302. 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 to develop the conceptual tools and techniques needed for market scanning, opportunity recognition, product development, market acceptance, and the establishment and maintenance of venture stakeholder relationships. This element of the Entrepreneurship area of concentration will help students to develop skills in identifying and building the market relationships upon which successful entrepreneurship is based.

Corequisites: ENT 411, 412, 413 and registration in the special entrepreneurship section of COM 400.

ENT 411 Units: 1.5 Hours: 3-0
Venture Planning/Finance Expertise (Planning Skills)
As part of the integrated Entrepreneurship Core Semester, this course material is designed to help students develop the conceptual tools and techniques necessary to identify critical venture attributes and processes, and the consequent financial outcomes of venture creation decisions. This element of the Entrepreneurship area of concentration will help students to develop skills in recognizing the decision points and enacting the choice patterns that lead to relevant venture outcomes.

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 process and content (sequence and norms) of New Venture Expert Scripts, and create their own expert scripts.

Corequisites: ENT 410, 411, 412, 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, training 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 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 necessary to create “global start-ups,” acquire sustained competitive advantage, and make global venturing decisions in light of the opportunities and threats faced by entrepreneurs in today’s global economy.

Prerequisites: COM 400, ENT 410, ENT 411, ENT 412 and ENT 413.

EOS Earth and Ocean Sciences School of Earth and Ocean Sciences Faculty of Science
EOS 110 Units: 1.5 Hours: 3-3
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.

Notes: - Credit will be given for only one of EOS 110, GEOG 110, GEOG 203B, GEOG 213, GEOG 216, EOS 350.
- Credit will be given for only two of the following courses with no more than one course from a particular group: Group 1: EOS 100, EOS 101; Group 2: EOS 110, GEOG 110, GEOG 216; Group 3: EOS 120, GEOG 120, GEOG 217.
- The following courses do not need to be taken in sequence: EOS 110, GEOG 110, EOS 120, GEOG 120.

EOS 120 Units: 1.5 Hours: 3-3
Introduction to the Earth System: II
Principal geological processes that 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.

Notes: - Credit will be given for only one of EOS 120, GEOG 120, GEOG 203A, GEOG 213, GEOG 217.
- Credit will be given for only two of the following courses with no more than one course from a particular group: Group 1: EOS 100, EOS 101; Group 2: EOS 110, GEOG 110, GEOG 216; Group 3: EOS 120, GEOG 120, GEOG 217.
- The following courses do not need to be taken in sequence: EOS 110, GEOG 110, EOS 120, GEOG 120.

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.
Geochemistry

Also:

Thermal energy, environmental hazards and climate. Emphasis is placed on the role of igneous activity in geotectonic processes that result in oceanic ridge systems, subduction zones, and mountain belts. The impact of these processes on human development is explored. Specific topics include: the current example induced by El Nino, greenhouse effects, ocean acidification, and climate change.

Prerequisites:

Two of 100, 101, (110 or GEOG 110 or GEOG 216) or (120 or GEOG 120 or GEOG 217).

EOS 312 Units: 1.5
Introductory Chemical Oceanography

An introduction to the sources, distribution, and transformation of chemical constituents of the ocean, and their relationship to biological, chemical, geological, and physical processes. Topics include: controls on average concentration of chemicals in the ocean; vertical and horizontal distributions of oceanic constituents; air-sea interactions; production, export, and remineralization of organic matter; the ocean carbon cycle; human-induced changes; stable isotopes and trace elements.

Prerequisites:

110, 120; CHEM 101, 102; two of MATH 100, 101, 102, 151; one of PHYS 102, 112, or 120.

EOS 313 Units: 1.5
Geological Oceanography

An introduction to the geological processes that shape the ocean basins, oceanic plate creation and structure, hydrothermal circulation at mid-ocean ridges, bathymetry, ocean islands, different types of ocean margins, ocean sediments, the sedimentary record of past ocean circulation, coastal geology.

Prerequisites:

110, 120; CHEM 101, 102; two of MATH 100, 101, 102, 151; one of PHYS 102, 112, or 120.

EOS 314 Units: 1.5
Descriptive Physical Oceanography

An introduction to the geography of Earth's fluid ocean and the physics that govern it. Topics include fundamental physical variables and their distribution, air-sea interaction, water masses and their formation, large-scale ocean dynamics, equatorial and coastal physical oceanography, and interactions between physical, chemical, and biological processes in the ocean. Participation in a single-day oceanographic cruise is expected.

Prerequisites:

110, 120; CHEM 101, 102; two of MATH 100, 101, 102, 151; one of PHYS 102, 112, or 120.

EOS 315 Units: 1.5
Acoustical Oceanography

An introduction to ocean science through the window of underwater sound, with applications to physical, biological, and geological processes in the ocean. The main subject treated are the effects of boundaries (sea surface and bottom) and the water-column sound speed profile, sound sources in the ocean, transducers and hydrophones, and basic sound propagation models (ray theory and the sonar equation). Applications include ocean acoustic tomography, fisheries science, marine mammal acoustics, sea floor mapping, and marine seismic exploration and surveying.

Prerequisites:

110, 120; two of MATH 100, 101, 102, 151; one of PHYS 102, 112, or 120.

EOS 320 Units: 1.5
Metamorphic Geology

The physical and chemical controls that govern the behavior of metamorphic rocks within the Earth's interior.

Prerequisites:

Two of 100, 101, 110, or GEOG 110 or GEOG 216 or (120 or GEOG 120 or GEOG 217).

EOS 321 Units: 1.5
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 or 102, PHYS 102 or 112, or CHEM 101/102; BIOL 215 recommended.

EOS 330 Units: 1.5
Paleobiology

Processes and patterns in the evolution of life through time; specialization, extinction, and evolution. The relationship of biotas to depositional systems: paleoecology, ecostratigraphy, biostratigraphy and paleobiogeography. Major events in the history of life. Laboratories and field trips will provide illustrative fossil examples, particularly 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
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, tornados, thunderstorms, cyclones, air-sea interactions, El Nino, greenhouse effect, ozone hole, and acid rain.

Prerequisites:

PHYS 102, 112 or 120 or permission of the instructor.

EOS 350 Units: 1.5
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.

Notes:

- Credit will be granted for only one of 350 and EOS 110, GEOG 110.
- May not be used as credit toward SEOS general, major, honours, or combined degree programs.

Prerequisites:

Second-year standing.

EOS 360 Units: 1.5
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.

Note:

Credit will be granted for only one of 350, 330, BIOL 350. Course may not be used as credit toward SEOS general, major, honours, or combined degree programs. Open to students with credit in 360 if taken prior to Winter 1993-94.

Prerequisites:

Second-year standing.

EOS 370 Units: 1.5
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, honours or combined degree programs.

Prerequisites:

Second-year standing.
### EOS 400 Units: 1.5
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. Each 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, 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. Natural processes of data collection and analysis, including the Ocean Drilling Program.

**Prerequisites:** 201, 310, or permission of the instructor.

### EOS 410 Units: 1.5 Hours: 3-0-1
Global Tectonics
A study of global tectonic systems including geological, geophysical, geochemical and geographical perspectives on major tectonic environments. A wide range of examples from different continents will be used. Vancouver Island will also be examined.

**Prerequisites:** 202 or permission of the 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:** This course alternates with EOS 422.

**Prerequisites:** 201.

**Pre- or corequisites:** 310, 320, or permission of the instructor.

### EOS 422 Units: 1.5 Hours: 3-3
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, CDM and tar sands, including modes of formation, accumulation and recovery, along with the mechanisms of migration and trapping. Canadian examples of petroleum systems and basin modelling augment the material. To a lesser degree, other energy sources are looked at, such as nuclear fuels, solar, hydrogen, geothermal, biogas, wind and tidal, as well as related socio-economic-environmental issues.

**Note:** Credit will be granted for only one of 422, 420 if 420 taken prior to Winter 2004.

**Prerequisites:** 201 and 202

### EOS 425 Units: 1.5 Hours: 3-3
Aqueous Chemistry in the Earth and Ocean
What controls the concentrations of aqueous species in the hydroosphere? 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; or permission of the instructor.

### EOS 427 Units: 1.5 Hours: 3-1
Also: PHYS 427
Geophysics

**Note:** Credit will be granted for only one of 427, PHYS 427. Offered in Spring of odd-numbered years, e.g. January 2007.

**Prerequisites:** PHYS 220, 326

### EOS 428 Units: 1.5 Hours: 3-3
Pre- or corequisites: MATH 330B or 438, and 326.
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) inorganic and biological fractionation isotopes.

**Prerequisites:** 240 or permission of the instructor.

### EOS 430 Units: 1.5 Hours: 3-3
Physical Oceanography
Physical properties of sea water, equation of state, meridional distribution of salinity and temperature, heat budgets, water masses, estuary flows.

**Pre- or corequisites:** PHYS 112, MATH 205 or 200, 201; or permission of the instructor.

### EOS 431 Units: 1.5 Hours: 3-0
Isotopes in Earth and Ocean Sciences
Physical properties of sea water, equation of state, meridional distribution of salinity and temperature, 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: 3-3
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 large-scale ocean currents, oceanic and atmospheric boundary layers, overturning circulation of the ocean, and the back effects of the waves on the atmosphere. Other wave motions in the ocean are introduced, with an emphasis on general results that describe the ocean-atmosphere coupling.

**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 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 ocean, and the back effects of the waves on the atmosphere.

**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: 3-0-2
Quaternary Geology
The methods and theory of Quaternary research, stressing the processes of interaction between the geosphere and biosphere. Topics include dating methods, paleoenvironmental studies, glaciation and global change, geological hazards, interdisciplinary research and applied studies, particularly the influence of 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; modelling of global processes, especially past and future climate change.

**Prerequisites:** Completion of at least three EOS courses numbered 300 or above (excluding 350, 360, 370).

### EOS 480 Units: 1.5 Hours: 3-0
Pre- or corequisites: Fourth-year standing in SEOS or Physics; or permission of the instructor.

### EOS 490 Units: 1.5 or 3.0
Directed Studies in Earth and Ocean Sciences
With the consent of the School and the faculty member concerned, a student may be permitted to pursue a course of directed studies.

**Note:** Students may not take more than 3 units of 490 studies.

### EOS 499 Units: 3.0
Honours Thesis
A research project conducted under the direction of faculty.

**Note:** This course is normally restricted to Earth and Ocean Honours students.

**Grading:** INP; letter grade.

### ER Environmental Restoration School of Environmental Studies Faculty of Social Sciences

**ER 200 Units: 0.5 per module**
Scientific Principles and Concepts for Environmental Restoration
An opportunity to gain background knowledge in selected scientific disciplines relevant to environmental restoration. Topics may include ground water, quantitative ecology, statistics, marine biology, and others. Students take modules of existing courses at the University of Victoria.

**Notes:** A module consists of the first third of a scheduled course.

- Registration is limited and open only to Diploma students registered in the RNS program. Please contact the program coordinator in the Division of Continuing...
COURSE LISTINGS

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 related ecosystems and developing recommendations through field visits. Combines factual scientific analysis of ecosystems in the context of human values and needs.
Note: Credit will be granted for only one of 311, ES 352, ER 341, ES 400D if 400D taken in 1989-96. May be taken for credit by Diploma students as ER 311 without prerequisite credit.
Prerequisites: ES 200 or ER 300A; or permission of the Director if taken as ER 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 ecorestoration in research and natural resource management programs.
Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 325 Units: 1.5
Ecosystems of British Columbia, Canada and the World
A survey of the major ecozones of Canada and the world, their characteristics, and their current status. Classification systems in Canada and British Columbia. Major types of ecosystems, from marine and aquatic to forest, grassland, and desert systems will be discussed including the significant threats to each, and core causes of change. Consideration given to biodiversity; fragmentation; ecological resilience; succession.
Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 326 Units: 1.5
Also: ES 423
Traditional Systems of Land and Resource Management
The role of traditional ecological knowledge in the understanding and documentation of the biodiversity of natural systems and their restoration. Examination of how restoration strategies can benefit from the close relationship of Indigenous Peoples to their local environments, and from their knowledge of plants and animals, their habitats and ecological 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 200 or 300A or permission of the Director if taken as ES 423.

ER 327 Units: 1.5
Ecorestoration Strategies: Case Studies
Examination of specific sites illustrating restoration problems and solutions. Examples include mine reclamation projects, highway and rail right-of-way stabilization, urban ravine and stream rehabilitation.
Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 328 Units: 1.5
Forest Restoration and Sustainable Forestry
Basic concepts of forest ecology and succession following natural and human disturbance. "Old Growth": definition and characteristics. Forest practices from a restoration viewpoint: the ecoforestry model. Planning and restoration strategies for hydromorphan zones. Analysis of silvicultural prescriptions and terrain issues (site capability, road building) from an ecological perspective.
Note: Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 329 Units: 1.5
Mining Restoration
Impact of mines and mining practices on natural systems and landscapes; physical and chemical characteristics of mine sites and debris; restoration vs. reclamation; pre- and post-disturbance restoration strategies; engineering issues; revegetation and re-mediation of soil at mine sites; long-term problems such as slope stability and acid mine drainage; legislation, policies and regulations.
Note: Background in physical geography such as GEOG 213 or equivalent strongly recommended. Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 330 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.
COURSE LISTINGS

ER 35B
Restoration of Marine Aquatic Systems
Types, characteristics and processes of natural marine aquatic systems including physical and biotic factors; types of disturbance and their impacts; restoration strategies for different types of marine aquatic ecosystems including estuaries, near shore and offshore systems; case studies of disturbances and restoration (e.g. coral reefs, benthic communities and sediments).

Note: Background in biology strongly recommended. Open only to Diploma students, except by special permission of the Diploma Advisory Committee.

ER 336
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
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
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
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
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
Seminar in Environmental Restoration
Seminar presentation in the final year, normally in the field of intended specialization.
Grading: COM or INC.

ER 411
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.
Prerequisites: 311 or equivalent, ES 341, or permission of Faculty Coordinator.

ES
Environmental Studies
School of Environmental Studies
Faculty of Social Sciences

ES 200
Introduction to Environmental Studies
Units: 1.5
Hours: 3-1
Formerly: 300A

Introduction to Environmental Studies
Introduction to the problems and approaches to resolving them. Students will apply their understanding through a distinctive interdisciplinary exploration of three main themes: ecological restoration (the process of assisting the recovery of an ecosystem that has been degraded, damaged or destroyed), political ecology (the theory and practice behind sustainability) and ethnocology (the study of the relationship between people and their habitats).

Note: Credit will be granted for only one of 200, 300A.

ES 240
Ecological Processes
Units: 1.5
Hours: 3-0-3

Ecological Processes
An introduction to the discipline of ecology with a focus on understanding biotic processes as they relate to contemporary environmental challenges. Laboratories emphasize methodologies for the generation, analysis and application of data.

ES 301
Political Ecology
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
Environmental Economics
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 only be given for one of 312, ECON 330 or ECON 381.
Prerequisites: ECON 103 or ECON 201, and ECON 225.

ES 314
Philosophy and the Environment
A philosophical investigation of the moral and conceptual dimensions of environmental problems. Different philosophies of the relation between humans and nature will be compared. Some of the topics to be examined are: human wants and human satisfactions; nature and spiritual values; community; human obligations to other animals; defining quality of life.

Note: Credit will be granted for only one of 314, PHIL 333.
Prerequisites: Third or fourth-year standing, or permission of the instructor.

ES 320
Conservation Biology
Diversity of organisms, functioning of ecosystems, and the impact of human activities on these. Topics include the nature of biological diversity; extinction and its causes; habitat alteration and fragmentation; effects of exotic species; economic and ethical considerations; practical applications and analytical tools; and legal frameworks for conserving species and habitats.

Note: Credit will be granted for only one of 320, 318, 348, ER 313, BIOL 370.
Prerequisites: Completion of Biology core including STAT corequisites, or for students other than Biology majors BIOL 190A (or 210), 215, 230 and STAT 255 or 260.

ES 321
Ethnobotany
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
Environmental Science
Units: 1.5
Hours: 3-0

Environmental Science
Also: ER 311
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: 240 and 200, or 300A.
ES 344 Units: 1.5 Hours: 3-3
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: STAT 255 or 260.
Pre- or corequisites: BIOL 215.

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: 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: 300B
Environmental Topics: Topics in Ethnoecology
An in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; qualitative vs. quantitative research methods. This course will be conducted as a seminar and may include a field trip for which a fee will be charged.
Note: Credit will be granted for only one of 381, 300B unless approved by the Director. May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: 200 or 300A.

ES 382 Units: 1.5 Hours: 3-0
Formerly: 300B
Environmental Topics: Topics in Ecological Restoration
An in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; qualitative vs. quantitative research methods. This course will be conducted as a seminar and may include a field trip for which a fee will be charged.
Note: Credit will be granted for only one of 382, 300B unless approved by the Director. May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: 200 or 300A.

ES 402 Units: 1.5 Hours: 3-0
Formerly: 420
Global Issues in Sustainability
Concepts of sustainability, development and security and their global dimensions; global environmental threats and their sociopolitical implications. Sustainability and development strategies in a north-south context; the role of international agencies in development; global issues of population, energy and resources; international regimes for environmental conservation; war and environment.
Note: Credit will be granted for only one of 402, 420, 400A if 400A taken in 1989-94.
Prerequisites: 200 or 300A, and 301.

ES 404 Units: 1.5 Hours: 3-0
Formerly: 424
Discourses of Environmentalism
A seminar examining classic works and persistent themes in North American environmental thought. A study of primary source material and texts by writers such as Thoreau, Austin, Muir, Pinchot, Leopold, Carson, Ellul, Schumacher, Berry, and Shiva.
Note: Credit will be granted for only one of 404, 424, 400A if 400A taken in 1993-95.
Prerequisites: 200 or 300A, and 301.

ES 414 Units: 1.5 Hours: 3-0
Systems Theory: An Introduction to Natural and Social Systems
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, negative and positive feedback, self-organization, and transformation. Students will learn to apply these principles to both natural and social systems. This course will be taught as a seminar.
Note: Credit will be granted for only one of 414, 400A if 400A 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, 400A if 400A taken in 1990-92.
Prerequisites: 200 or 300A, and 301.

ES 421 Units: 1.5 Hours: 3-0
Formerly: ES 416
Ethnobotany: Plants and Human Cultures
An introduction to the study of the relationship between plants and human cultures, with a focus on the indigenous peoples and environments of northwestern North America. Use of plants as foods, materials and medicines, plant nomenclature and folklore classification, and the role of plants in religion and mythology are topics covered. There will be one or more field trips.
Note: Credit will be granted for only one of 421, 416.
Prerequisites: 300A or 200 and 321.

ES 423 Units: 1.5 Hours: 3-0
Formerly: ER 326
Traditional Systems of Land and Resource Management
The role of traditional ecological knowledge in the understanding and documentation of the biodiversity of natural systems and their restoration. Examination of how restoration strategies can benefit from the close relationship of Indigenous Peoples to their local environments, and from their knowledge of plants and animals, their habitats and ecological interrelationships, as well as from traditional land and resource management strategies.
Note: Credit will be granted for only one of 423, 353, ER 326.
Prerequisites: 200 or 300A, and 321.

ES 428 Units: 1.5 Hours: 3-0
Formerly: Also ANTH 428
Ethnographic Methods in Environmental Research
Methods of ethnography (research design, observation, interviewing, textual recording and data retrieval) designed to provide students from a range of disciplines with the skills necessary to study the layers of socially-held knowledge which infuse all fields of environmental endeavour. Ethnographic exercises in the community are a course requirement.
Note: Credit will be granted for only one of 428, ANTH 428. Not open to students with credit in 400A, 1996-98.
Prerequisites: 200 or 300A, and one of 301 or 321.

ES 430 Units: 1.5 Hours: 3-0
Also: ANTH 401
Cultural Ecology
Theories concerning the relationship of human groups, culture and environment; cultural systems as the means by which human populations adapt to their environments.
Note: Credit will be granted for only one of 430, ANTH 401.
**ES 446** Units: 1.5 Hours: 3-0
Formerly: ES 426
**Sustainable Fisheries**
A practical examination of sustainable fisheries from a variety of interdisciplinary perspectives. Examines sustainability issues for fisheries and aquaculture through an integrated study of fish biology/ecology, oceanography, hydrology, environmental impact assessment, natural resource management and environment and land use planning.
Note: Credit will be granted for only one of 446, 426, 400A if 400A taken prior to 1989-90.
Prerequisites: 200 or 300A, and one of 321 or 341.

**ES 461** Units: 1.5 Hours: 3-0
Formerly: ES 410
**Environmental Impact Assessment**
An introduction to the objectives, philosophy, concepts, methods and social implications of environmental impact assessment (E.I.A.). A critical examination of E.I.A. as an analytical tool in the context of resource management and public policy is undertaken.
Note: Credit will be granted for only one of 461, 410, 400A if 400A taken prior to 1989-90.
Prerequisites: 200 or 300A, and one of 301, 321 or 341.

**ES 462** Units: 1.5 Hours: 3-0
Formerly: ES 432
**Environmental Protection**
Note: Credit will be granted for only one of 462, 432, 400B if 400B taken prior to 1990-98.
Prerequisites: 200 or 300A, and one of 301, 321 or 341.

**ES 470** Units: 1.5
Formerly: ES 350
**Field Study**
Supervised research or organized projects related to environmental problems, supplemented by directed individual study. A formal report is required.
Note: May be repeated once for credit.
Prerequisites: 200 or 300A, and one of 301, 321 or 341.

**ES 480** Units: 1.5
Formerly: 400A-D
**Advanced Environmental Topics in Sustainable Communities**
A focused, in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; and qualitative vs. quantitative research methods. These courses will be conducted as seminars and may include a field trip for which a fee will be charged.
Note: May be taken more than once for credit on different topics.
Prerequisites: 200 or 300A, and one of 301, 321 or 341.

**ES 481** Units: 1.5 Hours: 3-0
Formerly: 400A-D
**Advanced Environmental Topics in Ethnecology**
A focused, in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; and qualitative vs. quantitative research methods. These courses will be conducted as seminars and may include a field trip for which a fee will be charged.
Note: May be taken more than once for credit on different topics.
Prerequisites: 200 or 300A, and one of 301, 321 or 341.

**ES 482** Units: 1.5 Hours: 3-0
Formerly: 400A-D
**Advanced Environmental Topics in Ecological Restoration**
A focused, in-depth systematic examination of specific environmental areas through seminars and projects; the development of appropriate responses to questions and problems within the selected areas; modes of interaction and communication with professional and community groups; application of theory to practice; and qualitative vs. quantitative research methods. These courses will be conducted as seminars and may include a field trip for which a fee will be charged.
Note: May be taken more than once for credit on different topics.
Prerequisites: 200 or 300A, and one of 301, 321 or 341.

**ES 490** Units: 1.5-3.0
**Directed Studies**
Individual studies on approved environmental topics undertaken by students in consultation with faculty members. Projects will be supervised by one or more faculty members designated by the Director.
Note: Restricted to students taking a major or minor in Environmental Studies. May be taken more than once for credit to a maximum of 3 credits.
Prerequisites: 200 or 300A, fourth-year standing with a sessional grade point average of 6.5, and permission of the Director.

**EUS**
**European Studies**
**Political Science**
**Interdisciplinary Programs**

**EUS 300** Units: 1.5 Hours: 3-0
**European Integration: Socio-Economic and Political Developments**
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.
Note: May be taken more than once for credit on different topics with permission of the Director of European Studies.

**EUS 301** Units: 1.5 Hours: 3-0
**Cultural and Intellectual Systems and Developments in Europe**
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.
Note: May be taken more than once for credit on different topics with permission of the Director of European Studies.

**FA**
**Fine Arts**
**Interdisciplinary Courses**
**Faculty of Fine Arts**
Fine Arts Interdisciplinary courses focus on the study and creation of art and ideas that cross the traditional departmental areas within the Fine Arts. For information, contact the Associate Dean of Fine Arts.

**FA 225** Units: 3.0 Hours: 3-0
**Also: ACAN 225**
**Introduction to the Arts of Canada**
An interdisciplinary examination of Canada's cultural identity and of current issues facing the arts in both French- and English-speaking Canada. Topics to be considered include aboriginal arts, theatre, history in art, visual and literary arts, music, multiculturalism, broadcasting and cultural policies.
Note: Credit will be granted for only one of 225, ACAN 225.

**FA 245** Units: 1.5 or 3.0 Hours: 3-0
**The Arts and Technology: I**
An introductory course focusing on ideas central to the interrelationship between various arts and technologies.
Note: May be taken twice in different topics.

**FA 300** Units: 1.5 or 3.0 Hours: 3-0
**Interdisciplinary Studies**
A course emphasizing an interdisciplinary approach to contemporary artistic concerns. In each year, course work will focus on a particular issue.
Note: May be taken twice in different topics.
Prerequisites: Second-year standing. Additional prerequisites may be required for some topics.

**FA 305** Units: 1.5 or 3.0 Hours: 3-0
**Theory and Practice of Film and Video Direction**
Introduction to basic narrative patterns in film and video with an emphasis on image systems, plot and character, sound, and scene construction. Development and translation of a script into pictures using digital cameras and video editing software.
Prerequisites: Second-year standing in Fine Arts or permission of the instructor.

**FA 315** Units: 1.5 or 3.0 Hours: 3-0
**Introduction to Canadian Cultural Policy**
An examination of Canadian cultural policy since the 1940s, in the context of international practice, with emphasis on its relationship to Canadian national identity. Topics to be considered will include the controversial role of governments in pursuit of cultural policies, the significance of Federal granting councils, the changing role of corporate patronage, and the economic impact of the arts.

**FA 335** Units: 1.5 or 3.0 Hours: 3-0
**Popular Culture**
An interdisciplinary examination of the popular arts and their place in society. The topics for examination will vary in different years and sections.
Note: May be taken more than once for credit on different topics.
Prerequisites: Second-year standing.
FA 346 Units: 1.5 or 3.0 Hours: 3-0
The Arts and Technology: II
A practice-oriented seminar, focusing on the use of computer technology in the arts. Areas for consideration may vary from year to year.
Note: May be taken more than once for credit in different topics.
Prerequisites: Second Year standing and one 100-level computer science course or permission of the instructor.

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 3.0 Hours: 3-0
Management Skills For the Artist
This is a practical course designed to instruct students in fundamental management skills which will be of use for those anticipating careers as artists. Topics will include presentation techniques, fundraising methods, accounting procedures, grant applications, media relations and event planning.
Prerequisites: Second-year standing in Fine Arts.

FA 360 Units: 1.5 or 3.0 Hours: 3-0
Theoretical and Critical Issues in the Arts
A special topics course that examines critical and theoretical issues as they relate to the visual, literary and performing arts. Areas for consideration will vary from year to year.
Note: May be taken more than once for credit in different topics to a maximum of 3 units.

FA 365 Units: 1.5 or 3.0 Hours: 0-3
Dance Workshop: I
This introduction to modern dance is a physically intensive class using components of modern dance, dance technique, improvisation and floor barre. 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 366 Units: 1.5 or 3.0 Hours: 0-3
Dance Workshop: II
An advanced continuation of FA 365.
Note: May be taken more than once for credit to a maximum of 6 units.
Prerequisites: FA 365 and audition (usually held first day of class) or by permission and audition.

FA 370 Units: 1.5 or 3.0 Hours: 3-0
Sound in the Arts
A practice oriented seminar focusing on the study of sound as it pertains to the various arts; sound in performance art, video, theatre, film, visual arts, etc. Areas for consideration may vary from year to year.
Note: May be taken more than once for credit in different topics.

FA 399 Units: 1.5 or 3.0 Hours: 3-0
Directed Studies in Fine Arts
Individual research in Fine Arts taken under the supervision of a faculty member. Permission of faculty member supervising the project and approval of the Associate Dean.
Note: May be taken more than once for credit to a maximum of 4.5 units.

FREN

French
Department of French
Faculty of Humanities
Note: The departmental language and literature requirements are described on page 138.

FREN 100 Units: 3.0 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 both 100 and any of 102, 103, 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 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 11 in the last seven years, French 12 in the last ten years, or French immersion at any time.
Prerequisites: 102 or 103 or French 10 or equivalent.

FREN 106 Units: 1.5 Hours: 3-2
Formerly: half of 160
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.
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: 100 or 105 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 permission of course director.

FREN 150 Units: 1.5 Hours: 3-2
French Oral Practice
Develops listening comprehension and oral expression and introduces students to varied oral discourses.
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/expertential 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.
Note: Not open to students with Français 12, 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.
Note: Credit will not be granted for 175 and any of 181, 182 or 190.
Prerequisites: 107, 160, Français 12, or French 12.

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.

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COURSE LISTINGS

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 185, 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 262A  Units: 1.5  Hours: 3-0
Francophone Culture
A study of culture in the French-speaking world other than Quebec or France, through texts from a variety of sources.
Note: Credit will be given for only two of 262A, 262B, and 262C.
Prerequisites: One of 182 or 190, or 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 262B  Units: 1.5  Hours: 3-0
Quebec Culture
A study of culture in Quebec, through texts from a variety of sources.
Note: Credit will be given for only two of 262A, 262B, and 262C.
Prerequisites: One of 182 or 190, or 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 262C  Units: 1.5  Hours: 3-0
French Culture
A study of culture in France, through texts from a variety of sources.
Note: Credit will be given for only two of 262A, 262B, and 262C.
Prerequisites: One of 182 or 190, or 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.
Prerequisites: One of 182 or 190, or one of 175 and 185 with GPA of 3.0 or higher; or Programme Cadre to Grade 12; or 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 one of 175 and 185 with GPA of 3.0 or higher; or Programme Cadre to Grade 12; or 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.
Note: Not open to students with credit in 285.
Prerequisites: One of 182 or 190, or one of 175 and 185 with GPA of 3.0 or higher; or Programme Cadre to Grade 12; or Français 12 and permission of the department.

FREN 289  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 one of 175 and 185 with GPA of 3.0 or higher; or Programme Cadre to Grade 12; or Français 12 and permission of the department.

FREN 300  Units: 3.0  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.

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: See Program Requirements.

FREN 302B  Units: 1.5  Hours: 3-0
Composition, Translation and Stylistics (B)
Frequent written exercises in vocabulary and grammar; translation, stylistic commentaries, compositions.
Note: 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: See Program Requirements.
Not open to Francophone students and normally not open to students who have spent at least one year in a Francophone environment.

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: See Program Requirements.

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: See Program Requirements.

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 389A  Units: 1.5  Hours: 2-2
French Cinema (In English)
History of French cinema; major directors; French society as reflected in film from the start of the “talkies” to the Nouvelle Vague (1930-1960).
Notes: - All courses from 389A to 389E may count toward a Minor in Film Studies. All may be taken as
electives. One may count toward a program in French with the following restrictions: all assignments must be written in French, and only one of 389A to 389E, 487 may be counted.

- Both 389B and 487 may count toward a Combined Major in English and French (Canadian Literature); in this case assignments in 389B must be written in French.

Prerequisites: Third-year standing or HA 295. Students writing their assignments in French must have completed the departmental Program Requirements.

FREN 389B Units: 1.5 Hours: 2-2
Quebec Cinema (in English)
Quebec society, past and present, as portrayed in Quebec films from 1970 to the present.

Notes: All courses from 389A to 389E may count toward a Minor in Film Studies. All may be taken as electives. One may count toward a program in French with the following restrictions: all assignments must be written in French, and only one of 389A to 389E, 441 and 487 may be counted.

- Both 389B and 487 may count toward a Combined Major in English and French (Canadian Literature); in this case assignments in 389B must be written in French.

Prerequisites: Third-year standing or HA 295. Students writing their assignments in French must have completed the departmental Program Requirements.

FREN 389C Units: 1.5 Hours: 2-2
Special Studies in Cinema (in English)
A special topic in the cinema of the Francophone world, as announced annually.

Notes: All courses from 389A to 389E may count toward a Minor in Film Studies. All may be taken as electives. One may count toward a program in French with the following restrictions: all assignments must be written in French, and only one of 389A to 389E, 487 may be counted.

- Both 389B and 487 may count toward a Combined Major in English and French (Canadian Literature); in this case assignments in 389B must be written in French.

Prerequisites: Third-year standing or HA 295. Students writing their assignments in French must have completed the departmental Program Requirements.

FREN 389D Units: 1.5 Hours: 4-0
African Cinema (in English)
A study of how African filmmakers, in the second half of the 20th Century, have depicted the impact of colonialism on their respective societies and dealt with the conflicts of the post-colonial era.

Notes: Not open to students with 389C, 1994-1996.

- All courses from 389A to 389E may count toward a Minor in Film Studies. All may be taken as electives. One may count toward a program in French with the following restrictions: all assignments must be written in French, and only one of 389A to 389E, 487 may be counted.

- Both 389B and 487 may count toward a Combined Major in English and French (Canadian Literature); in this case assignments in 389B must be written in French.

Prerequisites: Third-year standing or HA 295. Students writing their assignments in French must have completed the departmental Program Requirements.

FREN 389E Units: 1.5 Hours: 2-2
The Court of Louis XIV on Screen (in English)
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 17th Century.

Notes: All courses from 389A to 389E may count toward a Minor in Film Studies. All may be taken as electives. One may count toward a program in French with the following restrictions: all assignments must be written in French, and only one of 389A to 389E, 487 may be counted.

- Both 389B and 487 may count toward a Combined Major in English and French (Canadian Literature); in this case assignments in 389B must be written in French.

Prerequisites: Third-year standing or HA 295. Students writing their assignments in French must have completed the departmental Program Requirements.

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: See Program Requirements.

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 commentaire composé, with attention paid to both literary and informal usage.

Prerequisites: See Program Requirements; 302B.

FREN 420 Units: 1.5 Hours: 3-0
Advanced French Phonetics and Pronunciation
A continuation of 220, with advanced work in correcive phonetics, transcription, intonation and liaison. Also: regional and foreign accents, French phonology, combinatoric phonetics (coarticulation). May include the use of sound spectrograms and other instrumentaI readings. Oral practice, including spoken vs. literary styles, high speed reading, pronunciation of difficult foreign words.

Note: Enrollment limited. Students interested in general phonetics and phonology should consult the department of Linguistics.

Prerequisites: 220, 302A.

FREN 425A Units: 1.5 Hours: 3-0
History of Language and Civilization: I
The evolution of the language from the 6th to the 15th Century, and the progressive recognition of French as a national language. Through the study of representative literary and non-literary texts in the original, in relation to historical circumstances, students will acquire familiarity with major social and cultural events and become aware of the diversity and the mobility of the language.

Prerequisites: 302A.

FREN 425B Units: 1.5 Hours: 3-0
History of Language and Civilization: II
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: 302A.

FREN 426 Units: 3.0 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: See Program Requirements.

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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: See Program Requirements.

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: See Program Requirements.

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: See Program Requirements.

FREN 446A Units: 1.5 Hours: 3-0
Renaissance Poetry
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.

Prerequisites: See Program Requirements.

FREN 446B Units: 1.5 Hours: 3-0
17th-Century Poetry
Poetry in the 17th Century, including Malherbe, Saint-Amand, Théophile de Viau, Anne de la Vigne, La Fontaine, M. de Scudéry, Bouteille, and Jeanne-Marie Guyon. Some 18th Century poetry may be included.

Prerequisites: See Program Requirements.

FREN 446D Units: 1.5 Hours: 3-0
Late 19th Century Poetry
Poetry in France and Belgium from the post-romantic to the Symbolist periods. Grade based partly on a group research project.

Prerequisites: See Program Requirements.

FREN 446E Units: 1.5 Hours: 3-0
20th-Century French Poetry
Important poetic works and trends from the early to late 20th Century, reflecting different aspects of French history and culture.

Prerequisites: See Program Requirements.

FREN 448 Units: 1.5 Hours: 3-0
Renaissance Prose
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 humankind.

Prerequisites: See Program Requirements.
### COURSE LISTINGS

**FREN 450A** Units: 1.5  
**17th 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:** See Program Requirements.

**FREN 450B** Units: 1.5  
**17th 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:** See Program Requirements.

**FREN 451** Units: 1.5  
**The Enlightenment**  
Principal literary works of the philosophes of the 18th century.  
**Prerequisites:** See Program Requirements.

**FREN 452** Units: 1.5  
**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:** See Program Requirements.

**FREN 455B** Units: 1.5  
**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, Manuax and Beaumarchais.  
**Prerequisites:** See Program Requirements.

**FREN 460A** Units: 1.5  
**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, 460B.  
**Prerequisites:** See Program Requirements.

**FREN 460B** Units: 1.5  
**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 460A, 460B.  
**Prerequisites:** See Program Requirements.

**FREN 462A** Units: 1.5  
**The Novel in the 20th Century: 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 462 and 462A.  
**Prerequisites:** See Program Requirements.

**FREN 462B** Units: 1.5  
**The Novel in the 20th Century: 1925-1955**  
The influence of surrealism and existentialism in prose writing.  
**Note:** Credit will be granted for only one of 462B and 488A, (1990-1992).  
**Prerequisites:** See Program Requirements.

**FREN 462C** Units: 1.5  
The changing face of the novel from le nouveau roman to contemporary fiction.  
**Note:** Credit will be granted for only one of 462 and 462C.  
**Prerequisites:** See Program Requirements.

**FREN 466** Units: 1.5  
**19th Century Theatre**  
Melodrama, the Romantic theatre, vaudeville and the Naturalist movement in theatre. Writers studied include Hugo, Musset, Dumas fils, Labiche and Bécque. Emphasis on theatre as stereotyped representation of ideology.  
**Prerequisites:** See Program Requirements.

**FREN 467A** Units: 1.5  
**Formerly: part of 477**  
**Contemporary Francophone African Novel**  
**Note:** Credit will be granted for only one of 477A, 477.  
**Prerequisites:** See Program Requirements.

**FREN 470** Units: 1.5  
**20th Century French Theatre**  
The distinctive characteristics of modern theatre and of major theatrical movements; plays illustrating different themes and theatrical styles.  
**Prerequisites:** See Program Requirements.

**FREN 471B** Units: 1.5  
**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:** See Program Requirements.

**FREN 480** Units: 1.5  
**The French-Canadian Novel From the Origins to the Modern Period**  
A survey of the French-Canadian novel with special emphasis on the first half of the 20th Century.  
**Prerequisites:** See Program Requirements.

**FREN 482** Units: 1.5  
**Contemporary French-Canadian Novel**  
The French-Canadian novel in the second half of the 20th Century, in particular la nouvelle écriture since 1960.  
**Prerequisites:** See Program Requirements.

**FREN 484** Units: 1.5  
**Contemporary French-Canadian Theatre**  
Study of the characteristic themes and structures of French-Canadian theatre since the Second World War.  
**Prerequisites:** See Program Requirements.

**FREN 485** Units: 1.5  
**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 Giglou, Michel Baudouin, Nicole Brossard.  
**Prerequisites:** See Program Requirements.

**FREN 487** Units: 1.5  
**French-Canadian Literature**  
Examination of the development and diversification of French-Canadian literature since 1970 to the present.  
**Prerequisites:** See Program Requirements.

**FREN 488** Units: 1.5  
**Special Topics: Children’s Literature**  
**Civilization of France, French Canada or la Francophonie**  
**Outside Quebec**  
**Special Topics: French-Canadian Literature**  
**Special Topics: Studies in a Major Author or Movement**  
Topics announced annually.  
**Note:** 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).  
**Prerequisites:** See Program Requirements.

**FREN 488I** Units: 1.5  
**Special Topics: 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.  
**Note:** 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).  
**Prerequisites:** See Program Requirements.

**FREN 489** Units: 1.5  
**Special Topics: Women Writers**  
A look at the way Francophone women outside Quebec have described the world.  
**Note:** 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).  
**Prerequisites:** See Program Requirements.

**FREN 499** Units: 1.5  
**Honours Graduating Essay**  
During the final year of the Honours program, students will write a graduating essay in French of approximately 7,500 words (i.e. 30 typed pages, double-spaced) under the direction of a member of the department; the topic to be approved by the Honours Committee. The essay must conform to acceptable standards of style and format and be submitted before the end of second term classes. An oral examination in French covering the topic of the essay will be conducted by a committee of three persons (nor-
Notes: - Credit will be given for only one of GEOG 120, EOS 120, GEOG 203A, GEOG 213, GEOG 217. - Credit will be given for only two of the following courses with no more than one course from a particular group: Group 1. EOS 100, EOS 101; Group 2. GEOG 110, EOS 110, GEOG 216; Group 3. GEOG 120, EOS 120, GEOG 217. - The following courses do not need to be taken in sequence: GEOG 110, EOS 110, GEOG 120, 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.

Note: Credit will be granted for only one of GEOG 209, formerly 350, 350A, 350B, and ES 316.

Introduction to Resource Management
Introduces students to the conceptual foundations of resource and environmental management by emphasizing geographic aspects of resource systems within social, economic, and policy frameworks. Using a variety of examples, it examines strategies and tools such as adaptive management approaches, ecosystem-based management, impact assessment, and conflict resolution.

Notes: - Credit will not be granted for 209 and any one of 350, 350A, 350B, ES 316.

Prerequisites: Minimum grade of B- in GEOG 110A and 110B.

GEOG 211 Units: 1.5 Hours: 3-2
Formerly: 210A and 210B
Economic Geography
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, 210B.

Prerequisites: Minimum grade of B- in 101B.

GEOG 218 Units: 1.5 Hours: 3-2
Cultural Geography
An introduction to the interpretation of cultural landscapes in various rural, urban, and global settings. Topics examined include ethnic groups and migration patterns, consumerism and material culture, political expressions of culture, and the many meanings of culture.

Prerequisites: Minimum grade of B- in 101B.

GEOG 219 Units: 1.5 Hours: 3-0
Geography of British Columbia
An examination of the physical, economic, and cultural landscapes that distinguish the cities and rural regions of Canada's West Coast province.

GEOG 222 Units: 1.5 Hours: 3-2
Introduction to Geographical Information
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: 231
Introduction to Quantitative and Qualitative Methods in Geography
Application of statistical techniques and qualitative methods 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 321, 226.

- A minimum grade of B- may be required in 226 before students can register in other Geography courses; check individual course descriptions for prerequisites.

- See Credit Limit, page 32.

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 228 Units: 1.5 Hours: 2-2
Digital Geomatics
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.

Pre- or corequisites: Minimum grade of B- in 226, or STAT 265 or STAT 260.

GEOG 306 Units: 1.5 Hours: 3-0
Geography of Canada
An examination of the physical, economic, and cultural landscapes that distinguish the geographical character of major regions in Canada. Issues surrounding Canada's identity and expressions of regionalism are considered.

GEOG 308 Units: 1.5 Hours: 2-3
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 GPS and commercial geographic information software solutions.

Note: Credit will be granted for only one of 308, 222.

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 314 Units: 1.5 Hours: 3-0
Formerly: 214
Global Environment Change and Human Response
This course is based on four components: global environmental change; sustainable development; biodiversity; and population impoverishment and environmental degradation. Lectures and discussion emphasize the causes of global change, the present and expected impacts on natural and social systems, and response strategies that have been proposed or enacted.

Note: Credit will be granted for only one of 314, 214.

Prerequisites: Minimum grade of B- in 209.

GEOG 319 Units: 1.5 Hours: 2-2
Remote Sensing of the Environment
Focuses on physical principles underlying remote sensing and electromagnetic propagation in free space and matter; attenuation, absorption and scattering mechanisms; interaction of energy with the atmosphere and Earth materials such as vegetation, soil, rock, water and urban structures; and microwave/LIDAR interaction with Earth materials.

Prerequisites: Minimum grade of B- in 228; 1.5 units of CSC; 1.5 units of MATH.

2007-08 UVIC CALENDAR
<table>
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<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Description</th>
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<tr>
<td>GEOG 322</td>
<td>1.5</td>
<td>2-3</td>
<td>Digital Remote Sensing</td>
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<td>GEOG 323</td>
<td>1.5</td>
<td>2-3</td>
<td>Cartography</td>
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<tr>
<td>GEOG 324</td>
<td>1.5</td>
<td>3-0</td>
<td>Directions in Geography</td>
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<td>GEOG 325</td>
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<td>Field Surveying</td>
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<td>GEOG 327</td>
<td>1.5</td>
<td>2-2</td>
<td>Qualitative Methods in Human Geography</td>
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<td>GEOG 328</td>
<td>1.5</td>
<td>2-3</td>
<td>Geographic Information Sciences I</td>
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<tr>
<td>GEOG 329</td>
<td>1.5</td>
<td>2-3</td>
<td>Geographic Information Sciences II</td>
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<tr>
<td>GEOG 330</td>
<td>1.5</td>
<td>3-0</td>
<td>Geography of the Developed World</td>
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<tr>
<td>GEOG 331</td>
<td>1.5</td>
<td>2-2</td>
<td>Special Topics in Geographic Data Analysis</td>
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<td>GEOG 332</td>
<td>1.5</td>
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<td>Planning and Urban Development</td>
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<td>GEOG 333</td>
<td>1.5</td>
<td>3-0</td>
<td>Geography of Environment and Health</td>
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<td>GEOG 334</td>
<td>1.5</td>
<td>3-0</td>
<td>Applied Climatology</td>
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<tr>
<td>GEOG 335</td>
<td>1.5</td>
<td>3-0</td>
<td>Coastal and Marine Resources I</td>
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<td>GEOG 336</td>
<td>1.5</td>
<td>3-0</td>
<td>Hydrology</td>
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<tr>
<td>GEOG 337</td>
<td>1.5</td>
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<td>Water Resources Management</td>
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<tr>
<td>GEOG 338</td>
<td>1.5</td>
<td>2-2</td>
<td>Physical Climatology</td>
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<tr>
<td>GEOG 339</td>
<td>1.5</td>
<td>3-0</td>
<td>Applied Climatology</td>
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</tbody>
</table>

Note: For credit, consult the UVic Undergraduate Calendar for the specific requirements and prerequisites for each course.
interaction between climate and human activities. Topics include: urban effects on climate; air pollution; human bioclimatology; agricultural climatology; and methods of microclimatic modification.

Prerequisites: Minimum grade of B- in one of 110, 213, 216, or EOS 110.

GEOG 374 Units: 1.5 Hours: 2-2
Biogeography
An analysis of the organization of biotic systems. Origins, dispersals, 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 relations; the dynamic character of ecosystems; the impact of humans upon ecological processes and ecosystem character.

Prerequisites: Minimum grade of B- in one of 110, 213, 216, or EOS 110; BIOL 150A and 150B recommended.

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 209 or 214.

GEOG 376 Units: 1.5 Hours: 3-2
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: 3-0
Pedology
An examination of soil genesis, distribution, and 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 120, 213, 216, or EOS 120.

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
Also: PACI 383
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 and the Chinese people in the period up to the present, and provide an essential basis for appreciation to the transformation of China since 1949.

Note: Credit will be given for only one of GEOG/PACI 383, GEOG 364, 464A
Prerequisites: PACI 210 (or 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 geographers 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 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.
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<th>Course Code</th>
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<td>GEOG 428</td>
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<td>Advanced Topics in Geographic Information Sciences</td>
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<td>GEOG 431</td>
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<td>Geography of Tourism</td>
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<td>GEOG 438</td>
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<td>Aquaculture in British Columbia</td>
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<td>GEOG 440</td>
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<td>Interpreting the Suburban Landscape</td>
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<td>GEOG 441</td>
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<td>GEOG 442</td>
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<td>Geography of Chinatowns and Chinese Migration</td>
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<td>Wildlife Resource Management</td>
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<td>GEOG 457</td>
<td>1.5</td>
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<td>Protected Areas: Management Challenges</td>
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<td>GEOG 458</td>
<td>1.5</td>
<td>3-0</td>
<td>Marine Aquaculture: Social, Economic and Environmental Dimensions</td>
</tr>
</tbody>
</table>

**Note:** Credit will be granted for only one of 442, 443.

**Prerequisites:** One of 340, 340A, 340B, 343 or 363.

**Credit will be granted for only one of 457 and 455.**
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.

GER

German
Department of Germanic and Slavic Studies
Faculty of Humanities
Courses in German language.

GER 100A Units: 1.5 Hours: 3-0
Formerly: first half of 100

Beginners’ German I
This course is for students with no previous knowledge of German and who wish to acquire a command of the spoken and written language. It includes instruction in essential points of grammar, basic vocabulary, and fundamental structures for everyday interaction, as well as reading and writing. Includes practice in the Language Centre.
Note: Credit will be granted for only one of 100A, 100.

GER 100B Units: 1.5 Hours: 3-0
Formerly: second half of 100

Beginners’ German II
Expansion of knowledge and skills acquired in 100A. Progress towards command of the spoken and written language in preparation for intermediate work. Practice in the Language Centre will reinforce basic speech patterns and idioms. On completion of 100A and 100B the student will possess a basic proficiency in German.
Note: Credit will be granted for only one of 100B, 100.

GER 149 Units: 6.0 Hours: 5-2

Intensive German
For students with no previous knowledge of German or insufficient knowledge to enter 200, this course is designed to cover a basic two year study of the German language in one year (equivalent to 100 plus 200) and to provide a rapid and thorough grounding in how to read, write and speak German, with emphasis on making practical use of the language as early as possible. In addition, readings of short texts will be introduced at an early stage and films and slides will be shown to illustrate aspects of German-speaking countries and to serve as topics for conversation practice.
Note: Credit will not be given for GER 149 and 100A, 100B, 100, 140, 200. Students with credit for 100 or 140, or equivalent knowledge, may not take this course for credit. Students not making satisfactory progress will be advised to transfer to 100.

GER 200 Units: 1.5 Hours: 3-0

Intermediate German
A concentrated grammar review. Intensive practice of written and oral structures, using both traditional textbook and modern computerized language-learning materials will be complemented by readings of a small selection of relevant contemporary texts. This course is recommended as a preparation for 251 and 252.
Note: Credit will be granted for only one of 200, 149.

GER 252 Units: 1.5 Hours: 3-0

Conversational German
Special emphasis on reading and speaking German. Short literary and journalistic German texts will be used for oral practice, to develop reading skills, and for brief written assignments.

2007-08 UVIC CALANDER
Germanic Studies
Department of Germanic and Slavic Studies
Faculty of Humanities
The following courses are open to all students: No knowledge of German is required.

GERS 160  Units: 1.5  Hours: 3-0
Formerly: GER 160
Major Figures of German Culture
Major figures of German culture and their significance for the development of German-speaking countries. Among the topics to be studied: Johann Gutenberg and the development of printing; Martin Luther; the Faust-myth; major figures of the German Enlightenment; the Brothers Grimm; 19th century figures: Schopenhauer; Nietzsche; Wagner; Marx; and 20th century figures: Freud; Jung; Thomas Mann; Rosa Luxemburg; Kafka; Hesse; Leni Riefenstahl; Brecht; Christa Wolf.
Note: Credit will be granted for only one of GERS 160, GER 160. No knowledge of German required.

GERS 254  Units: 1.5  Hours: 3-0
Formerly: GER 254
Introduction to German Literature
A study of literary selections from the Middle Ages to the present with special emphasis on the 20th century. Students will read widely, develop an awareness of literary movements, and be introduced to basic techniques of literary criticism.
Note: Credit will be granted for only one of GERS 254, GER 254.

GERS 261  Units: 1.5  Hours: 3-0
Formerly: GER 261
Modern Germany
An examination of modern cultural and political changes in Germany. Material will be drawn from literary and documentary texts, analytical essays and films.
Note: Credit will be granted for only one of GERS 261, GER 261. No knowledge of German required.

GERS 305*  Units: 1.5  Hours: 3-0
Formerly: GER 405; GERS 405
Novelle and Short Story
As the most “dramatic” of the shorter narrative forms, the Novelle gave rise in the 19th century to many attempts to define its characteristic form and its emphasis on intrigue, horror, love and the apparently inexplicable aspects of life. Against this background, the course will examine works reflecting such literary movements as Naturalism, Expressionism and Modernism.
Note: Credit will be granted for only one of GERS 305, GER 405, GERS 405. No knowledge of German required.

GERS 306  Units: 1.5  Hours: 3-0
German Drama
A survey of drama from German-speaking countries. The objective of the course is to study themes, form, style and technique in German drama and to explore the evolution of the genre over various literary periods. Authors to be studied may include Lessing, Goethe, Schiller, Kleist, Büchner, Brecht, Frisch, Dürenmatt, Jelinek, Straub and others.
Note: No knowledge of German required.

GERS 308  Units: 1.5  Hours: 3-0
Formerly: GER 308, 408
Poetry
A study of a wide range of lyric poetry from the 18th century to the present day with the aim of teaching the students how to read German poetry for pleasure and understanding.
Note: Credit will be granted for only one of GERS 308, GER 308, GER 408. No knowledge of German required.

GERS 310  Units: 1.5  Hours: 3-0
Formerly: GER 310
German Literature in English Translation
A study of major works of German literature from the 18th century to the present day. The course is intended as an elective for students in any faculty.
Note: Credit will be granted for only one of GERS 310, GER 310 [1.5] or [3.0]. Open to Major and Honours students in German as an elective only. No knowledge of German required.

GERS 354*  Units: 1.5  Hours: 3-0
Formerly: GER 354, GER 426
Introduction to Twentieth Century Literature (Pre-1945)
Within a context of political and social transformation, the course will examine works reflecting such literary movements as Naturalism, Expressionism and Modernism.
Note: Credit will be granted for only one of GERS 354, GER 354, GER 426. No knowledge of German required.

GERS 356  Units: 1.5  Hours: 3-0
A Short History of German Film
An overview of German film-making from the early days of expressionism up to the New German Cinema. Films may include: The Cabinet of Dr. Caligari, Metropolis, M, The Murderers Are Among Us, All: Fear Eats the Soul.
Note: May count toward a Minor in Film Studies. No knowledge of German required.

GERS 370*  Units: 1.5  Hours: 3-0
Formerly: GER 410, GER 407
Portraits of Women in German Literature from Medieval to Postmodern Times
Compares and contrasts representations of women in poetry, drama and short prose by male and female authors throughout the ages, and introduces the students to the study of a literary phenomenon in light of both its changing historical context and its treatment in different literary genres.
Note: No knowledge of German required.

GERS 411*  Units: 1.5  Hours: 3-0
Formerly: GER 411
Medieval German Literature
An introduction to chivalric literature and civilization through the study of writers and their works, mainly from the first Blütezeit in German literature (1170-1250); early Minnesang, Walther von der Vogelweide, Nibelungenlied, Hartmann von Aue, Wolfram von Eschenbach, and others. The course will also provide a basic introduction to the Middle High German language through study of the original texts.
Note: Credit will be granted for only one of GERS 411, GER 411. May count towards a Double Major with Medieval Studies. No knowledge of German required.

GERS 417*  Units: 1.5  Hours: 3-0
Formerly: GER 416 and 418; GER 417
Storm and Stress to Classicism: Revolution and Tradition
This course examines works of Goethe, Schiller and others, from the mid-1770’s to the early 1800’s. It focuses on such themes as the tragedy of the individual in political society, freedom and self-determination, and the continued search for human values.
Note: Credit will be granted for only one of GERS 417, GER 416, GER 417, GER 418. No knowledge of German required.

GERS 420*  Units: 1.5  Hours: 3-0
Formerly: GER 420
Faust
A study of selected sections of Parts I and II of Goethe’s work against the background of the Faust-myth and its traditions.
Note: Credit will be granted for only one of GERS 420, GER 420. No knowledge of German required.

GERS 422*  Units: 1.5  Hours: 3-0
Formerly: GER 422
Romanticism
Rooted firmly in German Idealism, this artistic movement spanned the four decades from the 1790s to the 1830s. It explored new realms of the imagination, turning to myth, folklore, fairy-tale, fantasy, dream. Giving due attention to philosophy, art and music, this course studies works by authors such as Tieck, Novalis, Brentano, E.T.A. Hoffman and the Schlegels, and probes the diversity of their poetry and prose.
Note: Credit will be granted for only one of GERS 422, GER 422. No knowledge of German required.

GERS 424*  Units: 1.5  Hours: 3-0
Formerly: GER 423 and 425; GER 424
Nineteenth Century: Realism
This course studies the changes and contrasts that characterize the literature and history of the nineteenth century from the Congress of Vienna (1815), through the rising materialism and social unrest of the mid-century, to the golden age of Bourgeois Realism in the second half of the century. Themes include the effects of urbanization, the search for ethical stability, and the redefinition of sexual roles.
Note: Credit will be granted for only one of GERS 424, GER 423, GER 424, GER 425. No knowledge of German required.

GERS 427*  Units: 1.5  Hours: 3-0
Formerly: GER 433
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.

GERS 433  Units: 1.5  Hours: 3-0
Formerly: GER 433
"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.

GERS 436*  Units: 1.5  Hours: 3-0
Formerly: GER 431 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.
GERS 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 interna-
tional 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.

GERS 438A*  Units: 1.5  Hours: 3-0
Formerly: GER 438A
Special Topics
Note: May be taken more than once for credit in differ-
etent topics to a maximum of 6 units. No knowledge of
German required.

GERS 438B*  Units: 1.5  Hours: 3-0
Formerly: GER 438B
Special Topics
Note: May be taken more than once for credit in differ-
etent topics to a maximum of 6 units. No knowledge of
German required.

GERS 439  Units: 1.5  Hours: 3-0
Formerly: GER 439
The New German Cinema
A study of major accomplishments of the New Ger-
man Cinema. This course will consider film as both a
narrative form and a means of reflecting social con-
cerns.
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.

GERS 440  Units: 1.5  Hours: 3-0
Formerly: GER 440
Kafka
A study of the works of Kafka, including The Meta-
morphosis, 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.

GERS 441  Units: 1.5  Hours: 3-0
Formerly: GER 441
Brechth
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 polit-
ical judgement of his works.
Note: Credit will be granted for only one of GERS 441,
GER 441. No knowledge of German required.

GERS 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 Ger-
man 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.

GERS 444*  Units: 1.5  Hours: 3-0
Formerly: GER 444
Women Writers
A study of novels from the Second Women’s Move-
ment (1970’s and after) by German, Austrian, and
Swiss women writers. In addition, theoretical read-
ings, 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.

GERS 481*  Units: 1.5  Hours: 3-0
German Literature: The Last Two Decades
A study of German-speaking authors who have
achieved international recognition in recent years.
Writers to be considered may include: Bernhard
Schlink, Ursula Hegi, Thomas Brussig, Uwe Timm.
Note: No knowledge of German required.

GERS 483  Units: 1.5  Hours: 3-0
Recent German Film
An introduction to German films after the New Ger-
man Cinema. This course will focus on films released
after unification, dealing with topics such as the two
Germans, 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.

GERS 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, popu-
lar music and other media.
Note: No knowledge of German required.

GERS 487  Units: 1.5  Hours: 3-0
A Cultural History of Vampires in Literature and Film
A study of literary and cinematic vampires in histori-
cal context. Without focusing exclusively on German
literature and film, this course will follow the vampire
myth and its various guises from classicism to post-
modernism 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 progres-
sively more challenging passages in ancient Greek,
with emphasis on acquiring basic vocabulary and
rules of grammar. In addition to in-class hours stu-
dents 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 202  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 construc-
tions. Readings will provide a transition from simpli-
ified language to unmodified literary Greek.
Note: Credit will be granted for only one of 201, 200.
Prerequisites: 102 or permission of the department.

GREE 205  Units: 1.5  Hours: 3-0
The Greek New Testament
A study of the language, formation, and text of the
Greek New Testament. Selections from the Gospels
and from Acts of the Apostles will be read.
Prerequisites: 102 or permission of the department.

GREE 242  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 202, 200.
Prerequisites: 201 or permission of the department.

GREE 243  Units: 1.5  Hours: 3-0
Formerly: 390C
Herodotus and Xenophon
Selected readings 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 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.
### COURSE LISTINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Notes</th>
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<tbody>
<tr>
<td>GREE 305</td>
<td>1.5</td>
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<td>Formerly:</td>
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<td>405 and part of 490E</td>
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<td>Greek Orators</td>
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<td>Readings from select orators of the fourth century. Selections may include Demosthenes, Lysias, Isocrates and Antisthenes.</td>
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<td>Note: Credit will be granted for only one of 305, 405, 490E.</td>
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<td>Prerequisites: 202 or permission of the department.</td>
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| GREE 306    | 1.5   | 3-0   |       |
| Aristophanes | | | |
| Reading and literary analysis of one or more plays. |
| Prerequisites: 202 or permission of the department. |

| GREE 401    | 1.5   | 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    | 1.5   | 3-0   |       |
| Formerly:   |       |       |       |
| part of 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    | 1.5   | 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    | 1.5   | 3-0   |       |
| Hellenistic Greek Authors | | | |
| Reading and analysis of major Hellenistic authors. Texts studied may include selections from Apollonius, Callimachus, Theocritus, Moschus, Bion, and epigrams from the Greek Anthology. |
| Prerequisites: Completion of at least 3 units of Greek at the 300 level or above, or permission of the department. |

| GREE 407    | 1.5   | 3-0   |       |
| Formerly:   |       |       |       |
| part of 403 and 490C | | | |
| Aeschylus | | | |
| Reading and analysis of major plays by the first great fifth-century Athenian dramatist. |
| Note: Credit will be granted for only one of 407, 403, 490C. |
| Prerequisites: Completion of at least 3 units of Greek at the 300 level or above, including 302, or permission of the department. |

| GREE 408    | 1.5   | 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    | 1.5   | 3-0   |       |
| 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 and a Roman Studies course at the 200 or 300 level. For courses in the Greek and Latin languages, see courses listed under GREE and LATI. |
| Note: Credit will be granted for only one of 100, CLAS 100. |

| GREE 300    | 1.5   | 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 407    | 1.5   | 3-0   |       |
| Formerly:   |       |       |       |
| part of 403 and 490C | | | |
| Aeschylus | | | |
| Reading and analysis of major plays by the first great fifth-century Athenian dramatist. |
| Note: Credit will be granted for only one of 407, 403, 490C. |
| Prerequisites: Completion of at least 3 units of Greek at the 300 level or above, including 302, or permission of the department. |

| GREE 300    | 1.5   | 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    | 1.5   | 3-0   |       |
| Formerly:   |       |       |       |
| CLAS 301 and CLAS 201 | | | |
| Tradition and Originality in Classical Literature | | | |
| The course will study how ancient writers created art for their own time and culture by reshaping the work of their literary predecessors. Readings will be drawn from various genres which may include pastoral, elegy, and epic. |
| Note: Credit will be granted for only one of 301, CLAS 201, CLAS 301. |
| Prerequisites: 100 or permission of the department. |

| GREE 312    | 1.5   | 3-0   |       |
| Greek and Roman Satirical Literature | | | |
| A study of social and political satire in the ancient world, particularly at Rome. Readings will include the Roman satirists Horace, Persius and Juvenal. |
| Prerequisites: None; 100 or one 300 level GRS course recommended. |

| GREE 314    | 1.5   | 3-0   |       |
| Age of Nero | | | |
| Nero, the last of the Julio-Claudian emperors, promoted an artistic golden age to rival that of the first emperor, Augustus. Topics for study may include: literary authors such as Seneca, Lucan, Persius and Petronius; Nero's extravagant building projects in Rome; his reputation, ancient and modern, as an artist-emperor. |
| Note: Credit will be granted for only one of 314, 325 (if taken in the same topic). |
| Prerequisites: 100 or permission of the department. |

| GREE 316    | 1.5   | 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. |

| GREE 320    | 1.5   | 3-0   |       |
| Formerly:   |       |       |       |
| CLAS 320 | | | |
| Greek and Roman Tragedy | | | |
| The origins and developments of tragic drama in ancient Greece and Rome. The study of representative 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. |

| GREE 322    | 1.5   | 3-0   |       |
| Formerly:   |       |       |       |
| CLAS 322 | | | |
| Greek and Roman Comedy | | | |
| The origins and development of comic drama in ancient Greece and Rome. The study of representative plays of Aristophanes, Menander, Plautus, and Terence. |
| Note: Credit will be granted for only one of 322, CLAS 322. |
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 326. May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: 100 or 200, or permission of the department.

GRS 326 Units: 1.5 Hours: 3-0
Formerly: CLAS 326
Topics in Greek and Roman Civilization
The course has variable content and may be taken more than once, to a maximum of 3 units, for credit in different topics.
Note: Credit will be granted for only one of 326, CLAS 326.
Prerequisites: 100 or 200, or permission of the department.

GRS 328 Units: 1.5 Hours: 3-0
Myth and Theory
Theoretical perspectives on Greek and Roman myth. How is myth to be interpreted? Is any one theory sufficient? Assumes a basic knowledge of the most important Greek and Roman myths, to which different analytical frameworks will be applied. Topics may include structuralist, anthropological, ritual, sociocultural, historical and psychoanalytical theories. Emphasis will be given to the cultural work performed by myths.
Prerequisites: 200 or permission of the instructor.

GRS 331 Units: 1.5 Hours: 3-0
Formerly: part of CLAS 330
Greek History From the Bronze Age to Alexander
A survey of significant developments from the collapse of 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, inheritance law, household management, slavery, agriculture, and banking; systems of social organization and control.
Note: Credit will be granted for only one of 332, CLAS 330.

GRS 333 Units: 1.5 Hours: 3-0
Formerly: part of CLAS 330
Alexander and the Hellenistic Age
The career of Alexander and its impact on the Mediterranean world; the collapse of political unity on his death, the rise of the Ptolemies, the literature, art, and political and social history of the Hellenistic age.
Prerequisites: 331 or permission of the department.

GRS 334 Units: 1.5 Hours: 3-0
Democracy and the Greeks
An introduction to Greek views of democracy and democratic practices, their history under the Roman Empire, and their impact on modern democratic theory.
Prerequisites: 100 or permission of the department.

GRS 335 Units: 1.5 Hours: 3-0
Formerly: CLAS 335
Women in the Greek and Roman World
The position of women, and attitudes towards them, in Greek and Roman society. Topics may include women and religion; women and medicine; the legal position of women; women and politics; the economic role and position of women; marriage and childbirthing 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 role of the Caesars.
Note: Credit will be granted for only one of 341, CLAS 340.

GRS 342 Units: 1.5 Hours: 3-0
Formerly: part of CLAS 340
Roman Society
A topical introduction to Roman social and cultural history. Attention will focus first on Roman social relations and secondly on the defining features of Roman culture.
Note: Credit will be granted for only one of 342, CLAS 340.

GRS 347 Units: 1.5 Hours: 3-0
Formerly: part of CLAS 340
Household and Family in the Greek and Roman World
A survey of the life-cycle in Greek and Roman antiquity. 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
Formerly: part of CLAS 340
The City of Rome
An introduction to the monuments and communal life of the capital of the Roman Empire, taught with an archaeological, historical, or literary emphasis, depending on the instructor. Topics include urban infrastructure, private and public spaces, and literary depictions of the city.
Prerequisites: 100 or 200 recommended.

GRS 349 Units: 1.5 Hours: 3-0
Formerly: part of CLAS 340
Jews and Christians in the Roman World
The history of Jews and Christians around the Mediterranean from the Maccabean rebellion to the conversion of Constantine. Topics include the Dead Sea Scrolls, the background to John the Baptist and Jesus, Paul's missions, persecution and martyrdom, and "pagan monotheism." Special attention will be given to encounters between Jews and Christians and the Roman state.
Prerequisites: 100 or 200 recommended.

GRS 361 Units: 1.5 Hours: 3-0
Formerly: part of CLAS 361
Aegean Bronze Age and the World of Homer
Covers material culture from the eastern Mediterranean, beginning with the Neolithic period and continuing through until the end of the Bronze Age. Much attention will be given to the Minoans on Crete and the Mycenaean Greeks, but will also cover topics such as the Cyclades and the volcanic eruption of Thera; Troy and the Trojan War; and the Hittite Kingdom in central Anatolia.


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| **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, will we 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 surrealist films to the television adaptations of the 1990s. Course may include the Orpheus myth on film, Jason and the Argonauts, Spartacus, the western and Greek drama on film. Examination of the socio-cultural implications of modern uses of ancient prototypes.  
*Prerequisites:* 100 or 200, or permission of the department. |
| **GRS 441** Units: 1.5 Hours: 3-0  
**The Fall of the Roman Republic**  
The history of Rome from the Gracchi to Augustus. Topics include the democratic element of the Roman constitution, and the role of the armies and their generals. Special attention will be given to the career and writings of Cicero and other intellectuals of the time.  
*Prerequisites:* 341 or permission of the department |
| **GRS 442** Units: 1.5 Hours: 3-0  
**Roman Law and Society**  
An introduction to Roman law through primary sources. Emphasis will vary from year to year, and may include private law in its social context, advo-  
*Prerequisites:* 346  
*Note:* Credit will be granted for only one of 442, 346, CLAS 346. |
| **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 two of the following each year: 480A Seminar in Greek History; 480B Topics in Greek Art and Archaeology; 480C Seminar in Roman History; 480D Topics in Roman Art and Archaeology.  
*Note:* Credit will be granted for only one of 480, CLAS 480.  
*Pre- or corequisites:* For 480A: 331 or 332 or 334; for 480B: 371; for 480C: 341, 342 recommended; for 480D: 372; or, in each case, permission of the department. |
| **GRS 481** Units: 1.5 Hours: 2-0  
**Seminar in Ancient Literature**  
The department will offer no more than one of the following each year: 481A Seminar in Greek Literature; 481B Seminar in Roman Literature; 481C Seminar in Ancient Literature.  
*Prerequisites:* One of 300, 301, 312, 316, 320, 322, 325, or permission of the department. |
| **GRS 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 department colloquia on Friday afternoons will form one component of the course requirements.  
*Note:* Credit will be granted for only one of 485, CLAS 485. |
| **GRS 493** Units: 1.5 Hours: 2-0  
**Directed Study in Greek or Roman Civilization**  
Intensive study of selected programs in Greek or Roman history, society, art, or archaeology. Students will be expected to prepare an extended research paper, drawing on both primary and secondary sources. Introduction to epigraphy, numismatics, papyrology, where appropriate.  
*Note:* May be taken more than once for credit in different topics to a maximum of 3 units. The maximum credit for 493 and the former 490, 491 and 492 together must not exceed 3 units. |

| **GRS 495** Units: 3.0 Hours: 3-3  
Formerly: CLAS 495  
**Archaeology Field Work Seminar**  
An introduction to the methods and techniques of Classical Archaeology through participation in an excavation; introductory lectures will be arranged.  
*Note:* Credit will be granted for only one of 495, CLAS 495 (if taken in the same topic). May be taken more than once for credit in different topics with permission of the department. Interested students should contact the department during the Fall Term.  
*Prerequisites:* Permission of the department. |
| **GRS 499** Units: 3.0  
Formerly: CLAS 499  
**Graduating Essay in Honours**  
A graduating essay, written under the supervision of a faculty member, is required of fourth-year Honours students in Greek and Latin Language and Literature, and Greek and Roman Studies.  
*Note:* Credit will be granted for only one of 499, CLAS 499.  
*Prerequisites:* Honours standing in fourth year. |

### 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

**Introduction to History in Art**

An introductory survey of the visual remains of some of the world's cultures from prehistory to the present day.

*Note:* Not open to History in Art Majors and Honours students in their fourth year.

#### HA 200

**Units:** 1.5 or 3.0  
**Hours:** 3-0  
**Formerly:** HA 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 201

**Units:** 1.5 or 3.0  
**Hours:** 3-0  
**Formerly:** HA 310  
**Arts, Artist and Patrons in Europe, 313-1500**

C.E.

Selected case studies dealing with the material culture of the European Middle Ages and Renaissance. Topics may include: the role of patrons in the making of objects; training and guild structures; copying; making masterpieces; collaboration; social status; the court artist; career patterns for artists and artisans; gender and art production; art and market economies.
<table>
<thead>
<tr>
<th>COURSE LISTINGS</th>
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<tbody>
<tr>
<td><strong>2007-08 UVIC CALENDAR</strong></td>
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<tr>
<td><strong>Note:</strong> Not open to History in Art Majors or Honours students in their fourth year.</td>
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<tr>
<td><strong>HA 262</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td><strong>Art by Women</strong></td>
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<tr>
<td>A thematic introduction to selected aspects of women’s artistic production.</td>
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<tr>
<td><strong>HA 268</strong> Units: 1.5 or 3.0 Hours: 3-0</td>
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<tr>
<td><strong>Introduction to Canadian Art and Architecture</strong></td>
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<tr>
<td>An introductory survey of principal periods, media, practitioners, and movements in the history of non-native Canadian art and architecture from first settlement to today. The arts of English and French Canada will be considered, and the political, social, and cultural settings in which they have been made will be explored.</td>
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<tr>
<td><strong>HA 270</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td><strong>Religion, Philosophy, and the Arts in China and Japan</strong></td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td><strong>HA 280</strong> Units: 1.5 or 3.0 Hours: 3-0</td>
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<tr>
<td><strong>Introduction to Themes in Indigenous Arts</strong></td>
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<tr>
<td>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.</td>
</tr>
<tr>
<td><strong>HA 284</strong> Units: 1.5 Hours: 3-0</td>
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<tr>
<td>Formerly: part of 362A</td>
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<tr>
<td><strong>Indigenous Arts of the Northwest Coast: Introduction</strong></td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td><strong>HA 292</strong> Units: 1.5 or 3.0 Hours: 3-0</td>
</tr>
<tr>
<td><strong>Selected Themes in History in Art</strong></td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td><strong>HA 295</strong> Units: 3.0 Hours: 3-1</td>
</tr>
<tr>
<td><strong>Introduction to Film Studies</strong></td>
</tr>
<tr>
<td>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. The course involves a three hour lecture/screening and a one hour tutorial a week.</td>
</tr>
<tr>
<td><strong>Note:</strong> Several classes may be taught at the Art Gallery of Greater Victoria.</td>
</tr>
<tr>
<td><strong>Note:</strong> May be taken more than once for credit in different topics.</td>
</tr>
<tr>
<td><strong>Note:</strong> Credit will be granted for only one of 284, 382A if taken prior to 1999.</td>
</tr>
<tr>
<td><strong>Note:</strong> Credit will be granted for only one of 320A, 330. Normally to be offered in alternate years with 333 A, B.</td>
</tr>
<tr>
<td><strong>Note:</strong> Credit will be granted for only one of 330A, 330. Normally to be offered in alternate years with 333 A, B.</td>
</tr>
</tbody>
</table>
COURSE LISTINGS

HA 333A Units: 1.5 Hours: 3-0
Formerly: part of 333
Early Arts of Southeast Asia
A survey of the arts of Southeast Asia, starting with prehistoric and contemporary tribal/indigenous cultures, up to the arrival of Islam. Discussion will include the majority of countries in the region, with emphasis on Indonesia. Monumental and personal arts relating to Hindu, Buddhist and Primal religious communities will be discussed with attention to gender and historiography. Indigenous texts and film will be used as source materials and basis for discussion.

Note: Credit will be granted for only one of 333A, 333. Normally to be offered in alternate years with 330 A, B.

HA 333B Units: 1.5 Hours: 3-0
Formerly: part of 333
Later Arts of Southeast Asia
A survey of the arts of Southeast Asia, from the arrival of Islam through the colonial period and up through the 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 film will be used as source materials and basis for discussion.

Note: Credit will be granted for only one of 333B, 333.

HA 336 Units: 1.5 Hours: 3-0
Art and Architecture of Modern India
A study of Indian art and architecture since the arrival of Western powers and Western religions in the early 18th century to the present. The course will examine material relating to Christian missions, the British presence, the revivalist movement, and contemporary art.

HA 337 Units: 1.5 Hours: 3-0
Special Topics in Contemporary Asian Art
An examination of themes and issues in contemporary Asian art through case-studies in select national, regional and/or global contexts. Analyzes artists' careers, art institutions and art discourses, including the arrival of contemporary Asian art into western art historical consciousness.

Note: May be taken more than once for credit in different topics.

HA 338 Units: 1.5 Hours: 3-0
Special Topics in Premodern Asian Art
An examination of themes and issues in premodern Asian art through case-studies in specific regional and/or temporal contexts.

Topic: Popular Prints in China and Japan

Note: May be taken more than once for credit in different topics.

HA 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 responses 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. 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 17th Century in Northern Europe
A study of art in northern Europe, especially Holland and Flanders, during the 17th century. The emphasis will be on social, political and religious factors that influenced the functions and consumption of images.

Note: Credit will be granted for only one of 342B, 342.

HA 343A Units: 1.5 Hours: 3-0
The 18th Century in Italy
A study of developments in Italian art and architecture during the 18th century. Particular attention will be paid to Venice as an artistic centre, and the works of individual artists will be considered within contexts such as: the aims and effects of church, state and private patronage; foreign markets and influences; attitudes of art critics and collectors.

Note: Credit will be granted for only one of 343A, 343.

HA 343B Units: 1.5 Hours: 3-0
The 18th Century in Northern Europe
A consideration of art and architecture in northern Europe, especially France and Britain, during the 18th century. Emphasis will be placed upon examining works of art within the contexts of political ideologies, social roles, and theoretical debate.

Note: Credit will be granted for only one of 343B, 343.

HA 344 Units: 1.5 Hours: 3-0
Art Theory and Criticism in Early Modern Europe
A study of selected texts from the period c. 1480-1780, when a body of literature emerged in which the aims and evaluation criteria of the visual arts were systematically articulated and debated. Texts will be discussed in relationship to changing artistic practices, and to relevant aspects of European social and intellectual history.

Note: Credit will be granted for only one of 344, 344.

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 the 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
Amirates and Sultanes 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 study will be the Nasrid dynasty of Spain, the Mamluk dynasty of Egypt, and the Ottoman sultane 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 clash of Islamic culture of Iran and its diffusion into Central Asia and India. The arts of the illustrated manuscripts (particularly Persian and Mughal painting) will be a major emphasis.

Note: Credit will be granted for only one of 358, 353.

HA 359 Units: 1.5 Hours: 3-0
Islamic Art from the Mongol Conquests to the Dawn of the Modern Period
This course surveys the art and architecture of the Central Islamic land in the period from the mid-13th until the end of the 16th century. Major areas of emphasis will be Ilkhanid and Timurid dynasties in the Islamic East, the Mamluks in Egypt and Syria, the Nasrids in Spain, and the Ottomans in Turkey.
HA 362A Units: 1.5 Hours: 3-0
Modern Art in Europe and North America: 1900 to 1945
Beginning with a brief examination of the European avant-garde in the late 19th century, the course analyzes in depth such 20th-century movements as Cubism, Expressionism, Futurism, Constructivism, Social Realism, and Surrealism. The European impact on modernist practices in America is also investigated.

HA 362B Units: 1.5 Hours: 3-0
Art in Europe and North America: 1945 to Today
An examination of directions taken in postwar art. Emphasis will be placed on the demise of the Modernist movement and the emergence of Post-modernism. Single out for investigation will be such areas as Abstract Expressionism, Minimalism, Pop Art, conceptual and performance art, environmental art, and photo-based practices.

HA 363 Units: 1.5 Hours: 3-0
The Cinema and Modern Art Movements
An examination of the history of film in relationship to the major art movements of the 20th century. Students will view and analyze films by such directors as Lang, Eisenstein, Bunuel, Brakhage, and Snow; these films will be discussed in the light of their connection to such influential modern art movements as German Expressionism, Russian Constructivism, Surrealism, Abstract Expressionism, and Conceptual Art.

HA 364 Units: 1.5 Hours: 3-0
Documentary Film
An intensive study of film as document of time, place and action. Influence of social and artistic context will be considered. Attention will be largely directed to Canadian documentary films, a leader in this genre today. Films studied may include works by Flaherty, Grierson, Lorentz, Riefenstahl, Wiseman, National Film Board.

HA 365 Units: 1.5 Hours: 3-0
Experimental Film
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.
Note: Preference to third and fourth-year students.

HA 367 Units: 1.5 Hours: 2-1
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.
Note: Preference given to third and fourth-year students.

HA 368A Units: 1.5 Hours: 3-0
Formerly: half of 368
History of Early Canadian Art
A history of the visual arts, especially painting and sculpture from 1759 to the early 20th century. The course will begin with a brief consideration of the background in 17th and early 18th art, especially of Québec, and end with the rise of the Group of Seven and their contemporaries.
Note: Credit will be granted for only one of 368A, 368B.

HA 368B Units: 1.5 Hours: 3-0
Formerly: half of 368
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 the mature work of the Group of Seven and their contemporaries and end with a treatment of the "post-modernist" reactions to international modernism in the late Sixties and Seventies.
Note: Credit will be granted for only one of 368B, 368B.

HA 369 Units: 1.5 Hours: 3-0
History of Photography
An introductory survey of the history of photography from its invention in 1839 until the present. Topics to be addressed include the changing role of the photographer as scientist and artist, the relationship between photography and other visual arts, 19th century travel photography, women photographers, and the various photographic processes which have been developed in the 120 year history of the medium.

HA 370 Units: 1.5 Hours: 3-0
Popular Film and Cultural Theory
A study of popular film and its social and political function. Special attention will be paid to mainstream films, especially Hollywood genre films, in the interest of exploring the ideological significance of popular film. An exploration of divergent views on the role of popular film within cultural theory will provide the context for the analysis of selected films.
Note: Credit will be granted for only one of 370 and 392 (if taken in this topic).

HA 371 Units: 1.5 Hours: 3-0
Early Chinese Art
An introductory survey of Chinese art from the Neolithic period through the Tang dynasty. Topics include the ritual vessels of the Bronze age, the impact of the Indian religion of Buddhism on Chinese arts, the rise of landscape painting, and the classic era of figure painting. Chinese histories and theories of the arts will be read in translation.
Note: Credit will be granted for only one of 371, PACI 371.

HA 372A Units: 1.5 Hours: 3-0
Later Chinese Art: Part I
An introductory survey of Chinese art covering the period of the Five Dynasties, Sung, and Yuan dynasties (10th-14th c). The emphasis is on the various ways the educated elite influenced the arts and key artistic traditions that inspired later artists and patrons.
Note: Credit will be granted for only one of 372A, 372. PACI 372. 371 is helpful preparation for this course but not a prerequisite.

HA 372B Units: 1.5 Hours: 3-0
Later Chinese Art: Part II
An introductory survey of Chinese art covering the late imperial and modern periods (15th-20th c). Topics include the role of the arts in an increasingly commercialized society prior to the communist revolution and the impact of state communism on modern Chinese art.
Note: Credit will be granted for only one of 372B, 372. PACI 372. 371 and 372A are useful preparation for this course but not a prerequisite.

HA 373 Units: 1.5 Hours: 3-0
Early Japanese Art
An introductory survey of Japanese art which traces the history of Japan's absorption and transformation of continental (Chinese and Korean) influences from prehistoric times through the Kamakura period. The emphasis is on Buddhist arts and the rise of the long narrative handscrolls known as emakimono during the Heian and Kamakura periods.
Note: Credit will be granted for only one of 373, PACI 373.

HA 374 Units: 1.5 Hours: 3-0
Later Japanese Art
An introductory survey of Japanese art from the Muromachi period. The emphasis is on the Edo period, when the rapid growth of cities fostered unprecedented demand for art among ordinary townspeople, and different schools making paintings and prints responded creatively to earlier Japanese art, developments in Chinese art, and to European art.
Note: Credit will be granted for only one of 374, PACI 374. 373 is helpful preparation for this course but not a prerequisite.

HA 375A Units: 1.5 Hours: 3-0
Formerly: half of 375
Pre-Columbian Art
The art of central and southern Mexico and northern Central America before 1492. This culture area called Mesoamerica was characterized by high civilization.
Note: Credit will be granted for only one of 375A, 373, 375.

HA 375B Units: 1.5 Hours: 3-0
Formerly: half of 375
Pre-Columbian Art
The art of South America before 1492 in the Andean area characterized by high civilization.
Note: Credit will be granted for only one of 375B, 375.

HA 382A Units: 1.5 Hours: 3-0
Native North American Arts
An introduction to arts of the indigenous peoples of the North American Arctic and Subarctic. The course examines artistic expression from the earliest known art works to the present. It explores types and styles of artworks; cultural contexts; relationships between artistic expression and environment; spirituality, and responses of artists to contact with non-natives.
Note: Credit will be granted for only one of 382A, 382.

HA 382B Units: 1.5 Hours: 3-0
Native North American Arts
An introduction to arts of the indigenous peoples of the Southwest, California, and the Great Basin. The course examines artistic expression from earliest known art works to the present. It explores types and styles of art works; cultural contexts; relationships between artistic expression and environment; spirituality, and responses of artists to contact with non-natives.
Note: Credit will be granted for only one of 382B, 382.

HA 382C Units: 1.5 Hours: 3-0
Native North American Arts
An introduction to arts of the indigenous peoples of the Plains, Plateau, Woodlands and Southeast. The course examines artistic expression from earliest known art works to the present. It explores types and styles of art works; cultural contexts; relationships between artistic expression and environment; spirituality, and responses of artists to contact with non-natives.
Note: Credit will be granted for only one of 382C, 382.
<table>
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<th>COURSE LISTINGS</th>
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| **HA 383** Units: 1.5 Hours: 3-0  
Special Topics in North American Indigenous Arts  
An in-depth investigation of a special aspect of, or area in, indigenous arts. Specific topics may vary from year to year.  
**Note:** May be taken more than once for credit in different topics. |
| **HA 384** Units: 1.5 Hours: 3-0  
Arts of the Northwest Coast  
Advanced-level study of indigenous arts of the Northwest Coast, focusing on artists' responses to historical developments from 1700-present. Topics include creative responses to early contact with non-native peoples; artistic developments in the 19th and 20th centuries; artists' responses to non-native attitudes and activities; and changes and continuities in artistic expression.  
**Note:** May be taken more than once for credit, depending upon the instructor and emphasis, and with permission of the instructor. |
| **HA 386** Units: 1.5 Hours: 3-0  
Approaches to Collections Research  
An intensive study of the nature of selected museum and gallery collections and the ways in which they contribute to knowledge. Approaches to researching aspects of museum collections will be highlighted through study visits and assignment work in local museums.  
**Note:** May be taken more than once for credit, depending upon the instructor and emphasis, and with permission of the department. |
| **HA 387A** Units: 1.5 Hours: 3-0  
Formerly: 387  
European and North American Architecture, 1750 to 1900  
A survey of key figures and movements in Western architecture from the beginnings of Neoclassicism to the appearance of radically novel forms of design in Europe before World War I.  
**Note:** Credit will be granted for only one of 387A, 387.  
223 would be helpful preparation for this course. |
| **HA 387B** Units: 1.5 Hours: 3-0  
Formerly: 387  
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 387B, 387. |
| **HA 392** Units: 1.5 or 3.0 Hours: 3-0  
Special Topics in History in Art  
An investigation of a special aspect or area of History in Art. Specific topics may vary from year to year.  
**Note:** May be taken more than once for credit in different topics with 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 411** Units: 1.5 Hours: 3-0  
Advanced Seminar in World Histories of Art  
An exploration of different cultural perspectives for conceptualizing artistic works and practices. Topics may include comparisons as well as examinations of specific intercultural and cross-cultural contacts.  
**Note:** May be taken more than once for credit in different topics.  
**Prerequisites:** Fourth-year standing and at least 3.0 units of HA courses at the 300 level. Will be taught together with 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.  
**Prerequisites:** Fourth-year standing and one of the following courses: HA 240, HA 260, 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 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 326, 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 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 240, 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 Early Modern Art, c.1500-1750  
An intensive study of a selected aspect of Early Modern 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 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 3.0 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  
Formerly: Also HIST 462  
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 3.0 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 conscience and aesthetic effect, state control 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.  
**Note:** May be taken more than once for credit in different topics and with permission of the department. |
HA 468  Units: 1.5  Hours: 3-0
Advanced Seminar in Canadian Art
An intensive study of a selected aspect of Canadian art or architecture. Topics will vary.

Note: May be taken more than once for credit in different topics.

Prerequisites: Fourth-year standing and one of the following courses: HA 368A, HA 368B, HA 223. Will be taught together with a HA graduate seminar.

HA 470  Units: 1.5  Hours: 3-0
Advanced Seminar in East Asian Art
Intensive studies of special aspects of Chinese and/or Japanese art. Course content will vary.

Note: May be taken more than once for credit in different topics.

Prerequisites: Fourth-year standing and one of the following courses: HA 270, HA 337, HA 338, HA 371, HA 372A, HA 372B, HA 471. Will be taught together with a HA graduate seminar.

HA 471  Units: 1.5  Hours: 3-0
Advanced Seminar in the Arts of China
Topics will vary but will address such issues as the ways the relationship of humans to their natural environment have been represented in the arts; the roles of the arts in defining social status, gender relations, and political viewpoints; and interconnections of elite and popular arts.

Prerequisites: Fourth-year standing and one of the following courses: HA 270, HA 337, HA 338, HA 371, HA 372A, HA 372B, HA 470. Will be taught together with a HA graduate seminar.

HA 477  Units: 1.5  Hours: 3-0
Advanced Seminar in Film Studies
An intensive study of a selected topic in Film Studies. Content may vary each year.

Note: May be taken more than once for credit in different topics.

Prerequisites: Fourth-year standing and one of the following courses: HA 312, HA 363, HA 364, HA 365, HA 366, HA 367. Will be taught together with a HA graduate seminar.

HA 478  Units: 1.5  Hours: 3-0
Advanced Seminar in Popular Culture
A study of popular culture and the critical theories which have emerged to explain the relationships among commercial forms (such as mainstream film and television), the socio-historical context, and audiences.

Prerequisites: Fourth-year standing and one of the following courses: HA 312, HA 363, HA 364, HA 365, HA 366, HA 367. Will be taught together with a HA graduate seminar.

HA 480  Units: 1.5 or 3.0  Hours: 3-0
Advanced Seminar: 20th Century Native North American Arts
An intensive study of selected aspects of 20th century Native North American arts. Artists, regions and styles discussed will vary.

Topic: TBA

Note: May be taken more than once for credit in different topics.

Prerequisites: Fourth-year standing and one of the following courses: HA 382A, HA 382B, HA 382C, HA 384, IS 372, EDIC 372, ANTH 322, ANTH 335, ANTH 336, ANTH 338. Will be taught together with a HA graduate seminar.

HA 482  Units: 1.5 or 3.0  Hours: 3-0
Advanced Seminar in Indigenous Arts
An intensive study of a selected aspect of Native North American, Pre-Columbian, African or Oceanic arts, or a comparative examination of a theme pertinent to indigenous arts from more than one culture area.

Note: May be taken more than once for credit in different topics.

Prerequisites: Fourth-year standing and one of the following courses: HA 382A, HA 382B, HA 382C, HA 384, IS 372, EDIC 372, ANTH 322, ANTH 335, ANTH 336, ANTH 338. Will be taught together with a HA graduate seminar.

HA 486  Units: 3.0  Hours: 3-0
Museum Principles and Practices
This distance education course examines changing roles and functions of museums in contemporary society. Topics include history of collections development, research and management; care of collections; relationships with communities; programming; exhibition development; museum organization, funding and management.

Note: Credit will not be granted for 486 and 486A, 486B. Grading may be INP, final grade.

HA 486A  Units: 1.5  Hours: 3-0
Museum Principles and Practices I: Communities, Curatorship, and Collections
Museums, their collections, and the knowledge they convey play a unique role in contemporary society. This course explores the purpose and functions of museums with particular emphasis on relationships with communities and on the ways in which knowledge is created and preserved through collections and research. Topics include history and organization of museums and collections curatorship, research, documentation and care.

Note: Credit will be granted for only one of 486A, 486B.

HA 486B  Units: 1.5  Hours: 3-0
Museum Principles and Practices II: Programming, Exhibitions, and Management
Exhibitions and public programs are the primary means by which museums share their collections and knowledge with communities. This course explores the role and development of exhibitions and programs, with particular emphasis on public partnerships, audience development, and principles of design, implementation and evaluation. When offered in the distance format, the course will also address topics in museum management.

Note: Credit will be granted for only one of 486A, 486B.

HA 486Q  Units: 1.5  Hours: 3-0
Managing Museum Projects
A detailed survey of the philosophical, ethical, and practical aspects of project management as they apply to the management of heritage resources in the world today. Topics include principles and history of heritage conservation and the role of conservation in the management of heritage resources, levels of intervention including preservation, restoration, rehabilitation and reconstruction, and the conservation process.

Note: Credit will be granted for only one of 487B, 487.

HA 487  Units: 1.5  Hours: 3-0
Heritage Resource 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 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 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 488Q are offered in either 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 sponsorship; temporary and travelling exhibitions; ethical considerations; and evaluation techniques.

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 museum collections, the ways they are affected by a range of factors in their physical and social environments, and the risk assessment, preventive conservation, and treatment guidelines that are utilized to
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
and 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 the design and museological ele-
ments 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; storylines; 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-
aged. 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 spe-
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 com-
munity resource. This course explores the dimen-
sions, value, and potential uses of museum informa-
tion, and focuses on strategic integration and man-
agement approaches that utilize computer and
Web-based information systems to organize, pro-
cess, and access information for collections man-
agement, curatorial, 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, grantsmanship 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 in Cultural Organizations
The central roles of planning in project develop-
ment and organizational management and change are
explored, along with a range of planning principles
and methodologies suited to the museum, heritage,
and cultural sectors. Content may address special-
ized aspects of planning.
Notes: - May be taken more than once for credit in dif-
frent topics.
- The 2005-06 fee for this course is $550.00.

HA 488S
Units: 1.5
Building Community Relationships
Strong, sustained and mutually beneficial relation-
ships with communities are critical to museums, her-
itage 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
Determination of Significant Cultural Resources
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), chromochronology. Laboratory sessions on the
examination and analysis of materials will be con-
ducted.
Notes: - Depending upon 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 un-
derstand 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; preservation legislation, planning, 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 Hours: 3-0
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 489L Units: 1.5 Hours: 3-0
Heritage Conservation Planning
This course focuses on approaches to planning and heritage conservation decision-making, and discusses the components of the conservation planning process including community involvement and consultation, the acquisition and integration of technical information and professional expertise, and the integration of conservation planning in the long-term management of heritage resources.

HA 490 Units: 1.5 or 3.0
Directed Studies
A course of directed readings and written assignments taken under the supervision of a faculty member. Approval must be granted by the Chair of the department.

Note: May be taken more than once in different areas, up to a total of 3 units. Normally available to History in Art major, honours and diploma program students only. Pro forma.

HA 491 Units: 3.0 Hours: 3-0
Internship
Available to students in the Diploma Program in Cultural Resource Management only.
Grading: INR, COM, N or F.

HA 492 Units: 1.5 or 3.0 Hours: 3-0
Advanced Studies in History in Art
An opportunity for highly qualified undergraduate students to take a graduate seminar in the department for undergraduate credit.

Note: Approval must be granted by the Chair of the department. May be taken more than once for credit in different topics to a maximum of 3 units. Normally available to History in Art major, honours, and diploma program students only. Pro forma.

HA 499 Units: 1.5, formerly 3 Hours: 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 130 Units: 1.5 Hours: 3-3
Formerly: HINF 172
Introduction to Health Information Technology
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, health information networks, and bioinformatics will be addressed.

Note: Credit will be granted for only one of 130, 172.

HINF 140 Units: 1.5 Hours: 3-0
Formerly: HINF 240
Introduction to the Canadian Health Care Systems
The business of health care is a significant portion of the gross national product of all industrialized countries and emerging nations. Policy development, administration and management are, consequently, critical activities in the efficient delivery of effective health care. 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 200 Units: 1.5 Hours: 3-2
Formerly: HINF 300
Principles of Health Database Design
The 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.

HINF 265 Units: 1.5 Hours: 3-2
Health Care Delivery Organization
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, governance and integrated delivery system models.

Prerequisites: 140

HINF 280 Units: 1.5 Hours: 3-0
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 in health informatics including bioinformatics are discussed.

Note: Credit will be granted for only one of 280, 180.

Prerequisites: Biology 12 or one of PE 141, BIOL 102, BIOL 150A or B, or BIOL 190A.

HINF 310 Units: 1.5 Hours: 3-2
Electronic Records and Decision Support Systems
A critical analysis of the automation of clinical data acquisition, processing and storage in health care settings. Topics include: electronic health records, departmental systems (e.g. lab, pharmacy, intensive care.) PACS, computerized physician order entry (CPOE), clinical data repositories, health plans, personal health records and data warehouses.

Prerequisites: 200

HINF 320 Units: 1.5 Hours: 3-2
Project Management
Introduction to the essentials of project management and the project life cycle. Topics include: project charter, network diagramming, scope management, stakeholder identification, cost management, scheduling and schedule management.

Note: Credit will be granted for only one of 300, 370, CSCI 370.

Prerequisites: 172 or 130 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 CSCI 370, or permission of the Director.

HINF 230 Units: 1.5 Hours: 3-0
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.

2007-08 UVIC CALENDAR

Note: Credit will be granted for only one of 200, 300, CSCI 370.
Prerequisites: 172 or 130 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 CSCI 370, or permission of the Director.

HINF 230 Units: 1.5 Hours: 3-0
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.

2007-08 UVIC CALENDAR

Note: Credit will be granted for only one of 200, 300, CSCI 370.
Prerequisites: 172 or 130 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 CSCI 370, or permission of the Director.

HINF 230 Units: 1.5 Hours: 3-0
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.
Introduction to History

HIST 105
Units: 3.0
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: 3.0
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 152
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 3.0
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.

**HIST 210**  Units: 3.0  Hours: 3-0
**History of the United States**
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.

**HIST 220**  Units: 3.0  Hours: 3-0
**History of England**
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.

**HIST 236**  Units: 3.0  Hours: 3-0
**Medieval Europe**
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.

**HIST 240**  Units: 3.0  Hours: 3-0
**History of Modern Europe**
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.

**HIST 245**  Units: 1.5  Hours: 3-0
**The Second World War**
A general survey of the military, diplomatic, economic, social and political aspects of this global conflict. The causes and ramifications of the war will also be considered.

**Note:** Not open to students registered in or with credit in 392. Strongly recommended for students wishing to take advanced courses in military history.

**HIST 253**  Units: 1.5  Hours: 3-0
Formerly; half of 252
**Introduction to Chinese Civilization Before 1840**
An introduction to the political, intellectual and socio-economic history of Chinese civilization from its beginning until its full-scale contacts with Western culture around 1840. Topics include Chinese philosophies and religions, imperial institutions and traditions, elite and popular classes, as well as art, science and technology.

**Note:** Credit will be granted for only one of 253, 252, PACI 253.

**HIST 254**  Units: 1.5  Hours: 3-0
**Introduction to Chinese History Since 1840**
A survey of Chinese history with an emphasis on China's relations to the West from 1840 to 2000. Topics include China's responses to Western challenges and early modernization, its Republican, Nationalist, and Communist revolutions, and its recent reforms and rise as a global power.

**Note:** Credit will be granted for only one of 254, PACI 254.

**HIST 255**  Units: 1.5  Hours: 3-0
Formerly: half of 252
**The Origins of Modern Japan**
Examines Japan's transition from bureaucratic feudalism to capitalism in the 19th century. 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.

**HIST 256**  Units: 1.5  Hours: 3-0
**Japan in the 20th Century**
Examines Japan's political evolution in the 20th century including the emergence of liberal democratic trends, the triumph of militarism and corporatism in the 1930s, the 15 years war, the Occupation of Japan, and Japan's postwar development including aspects of both social and economic history.

**Note:** Credit will be granted for only one of 256, PACI 256.

**HIST 257**  Units: 1.5  Hours: 3-0
**Introduction to the Civilization of India**
Introductory survey 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).

**HIST 259**  Units: 1.5  Hours: 3-0
**Introduction to African History**
All geographical regions will be surveyed, with an emphasis on the pre-colonial, colonial and post-colonial eras.

**Note:** Credit will be granted for only one of 259, 468 (if taken in the same topic).

**HIST 260**  Units: 1.5  Hours: 3-0
**History of Science**
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 assumptions of scientific practice.

**Note:** No scientific background is required.

**HIST 261**  Units: 1.5  Hours: 3-0
**History of Technology**
A general survey of the consequences of technological change in society since the beginning of the Industrial Revolution. Topics include: transportation, communications, military, industrial and domestic technology.

**HIST 265**  Units: 1.5 or 3.0  Hours: 3-0
**Special Topics in History**
An introduction to selected problems in history. The specific topics vary from year to year.

**Note:** May be taken more than once for credit in different topics with permission of the Chair.

**HIST 265A**  Units: 1.5  Hours: 3-0
**History of Co-operatives**
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).

**HIST 266**  Units: 1.5  Hours: 3-0
**The United States in the 19th Century**
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.

**HIST 304**  Units: 3.0  Hours: 3-0
**The United States in the 20th Century**
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.

**HIST 310**  Units: 3.0  Hours: 3-0
**The American West**
The frontier in American history, the Trans-Mississippi West with emphasis on the Far West.

**HIST 315**  Units: 1.5 or 3.0  Hours: 3-0
**America's Foreign Relations**
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.

**HIST 316**  Units: 1.5  Hours: 3-0
**The American Experience in Vietnam**
A detailed examination of the causes, course, and consequences of American involvement in Vietnam from 1941 to 1975.

**Note:** Credit will be granted for only one of 316, 318 (if taken in the same topic).

**HIST 318**  Units: 1.5 or 3.0  Hours: 3-0
**Topics in American History**
An intensive study of selected aspects of American history. Students are advised to consult the department for an outline of the topics to be considered.

**Note:** May be taken more than once for credit in different topics with permission of the Chair.

**HIST 319**  Units: 1.5 or 3.0  Hours: 3-0
**Seminar in American History**
Selected topics in American history.

**Note:** May be taken more than once for credit in different topics with permission of the Chair.

**Advanced Courses: British**

**HIST 320**  Units: 1.5 or 3.0  Hours: 3-0
**Seminar in Medieval England**
A detailed examination of themes and issues in the history of Medieval England.

**Notes:** May be taken more than once for credit in different topics with permission of the Chair.

- 236 strongly recommended.

**HIST 320A**  Units: 1.5 or 3.0  Hours: 3-0
**Crime and Criminality in Medieval England**
A seminar investigating criminal activity and the responses of communities and authorities.

**Notes:** Credit will be granted for only one of 320A, 320 (if taken in the same topic).

- 236 strongly recommended.
HIST 321 Units: 1.5 Hours: 3-0
Tudor-Stuart England
A study of some of the major themes of historical research into the social, cultural, religious and political experiences of English men and women from the Tudor period to the Glorious Revolution of 1688, including the Tudor and Stuart monarchy, the English Civil War, religious beliefs and persecution, gender and popular culture.
Note: 220 recommended.

HIST 324 Units: 1.5 or 3.0 Hours: 3-0
Britain's Long Eighteenth Century (1689-1837)
A study of the society, politics, economy and culture of Britain during the era in which it rose to global ascendency, 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: 3.0 Hours: 3-0
Britain, 1815-1914
Great Britain, industry and empire; an intensive study of British history during the 19th century.
Note: 220 recommended.

HIST 327 Units: 3.0 Hours: 3-0
20th Century Britain
An examination of the major themes in the history of 20th century Britain, such as the collapse of imperial power, the development of closer relations with the European continent, the social, cultural, and political tensions created by an era of rapid social 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 providing; murder sheets 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 332 Seminar in British History
Units: 1.5 or 3.0 Hours: 3-0
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 3.0 Hours: 3-0
Topics in British History
An intensive study of selected aspects of British History. Students are advised to consult the department for an outline of the topics to be considered.
Notes: - May be taken more than once for credit in different topics with permission of the Chair.
- 220 recommended.

HIST 341 Units: 1.5 or 3.0 Hours: 3-0
Formerly: 482
Historians and the Computer: Theory and Techniques of Social Science History
The course has two main goals: to help students understand and assess research based on quantitative analysis, and to help students gain firsthand experience in the use of computers in Canadian historical research. Students will carry out their own qualitative research project.
Note: Credit will be granted for only one of 341, 482.

HIST 342 Units: 3.0 Hours: 3-0
British North America, Conquest to Confederation
A combination of lectures and seminars examining the development of the economy, society, and culture of the area of the comprising present day Ontario, Quebec, 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: 3.0 Hours: 3-0
Canadian Labour History
This course examines the working class experience and the development of organized labor movements in Canada, with particular emphasis on the 19th and 20th centuries. Topics include preindustrial working conditions, industrialization, labor organizations, the growth of trade unions, labour legislation, and labour politics.

HIST 344 Units: 3.0 Hours: 3-0
Political History of Canada Since Confederation
A study of recurring themes and problems in Canadian history including national policies, French-English tensions, federal-provincial conflicts, and external relations. Attention will be given to the social and economic background of these problems as well as their political manifestations.

HIST 345 Units: 1.5 Hours: 3-0
Canadian-American Relations
An exploration of selected issues in the economic, cultural, political, and diplomatic aspects of Canadian-American relations.

HIST 346 Units: 1.5 Hours: 3-0
Seminar in British Columbian History
Selected topics in British Columbian 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 347A Units: 1.5 Hours: 3-0
Northwest 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 347B 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 by 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: 3.0, formerly 1.5 Hours: 3-0
British Columbia Since 1885
The emphasis will be on social, economic, and political developments within the province. Written assignments will be required.

HIST 357A Units: 1.5 Hours: 3-0
Seminar in Canadian Defence Policy
A study of selected aspects of Canadian defence policy since 1867. Emphasis on the military policies and strategic role of Canada in the 20th century.
Note: 130 or 132 strongly recommended.

HIST 357B Units: 1.5 Hours: 3-0
Seminar in Canadian External Policy
A study of selected aspects of Canadian external policy since 1867, with emphasis on Canada’s position as a middle power.
Note: 130 or 132 strongly recommended.

HIST 358 Units: 1.5 or 3.0 Hours: 3-0
Topics in Canadian History
An intensive study of selected aspects of Canadian history.
Note: May be taken more than once for credit in different topics with permission of the Chair.

HIST 358A Units: 1.5 or 3.0 Hours: 3-0
Women in Canada
A history of women in Canada from the era of New France to the present.
Note: Credit will be granted for only one of 358A, 358 (if taken in the same topic).

HIST 358B 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 358B, 358, 359 (if taken in the same topic).

HIST 358C Units: 1.5 Hours: 3-0
Race and Ethnicity in Canada since 1900
An examination of how race and ethnicity emerged as pivotal fault lines in Canada and in North American society.
Note: Credit will be granted for only one of 358C, 358, 359 (if taken in the same topic).

HIST 358D Units: 1.5 Hours: 3-0
Canadian Science and Technology
An examination of the history of Canadian science and technology from New France until the present.
Prerequisites: 6 units of History.

HIST 358E Units: 1.5 Hours: 3-0
Natives and Newcomers: Historical Encounters in Canada since 1867.
An exploration of shifting relationships between Aboriginal peoples and settlers from 1867 to the social and political struggles of the present day.
Note: Credit will be granted for only one of 358F, 358, 359 (if taken in the same topic).

HIST 358F Units: 1.5 Hours: 3-0
Race and Ethnicity in Canada since 1900
A comparative examination of race and ethnicity in Canada and in North American society since 1900.
Note: Credit will be granted for only one of 358G, 358, 358D (1989-2000), 359 (if taken in the same topic).
HIST 359 Units: 1.5 or 3.0 Hours: 3-0
Seminar in Canadian History
Selected topics in Canadian history.
Notes: - Enrollment limited. Priority in registration given to honours and major students in history, but others may be admitted with permission of 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.

Advanced Courses: European

HIST 360 Units: 1.5 Hours: 3-0
The Renaissance
A study of the conditions, ideas, and people involved in the intellectual quickening that ushered in the early modern period of European history.

HIST 361 Units: 1.5 Hours: 3-0
The Reformation
A history of the people and the political and religious factors involved in the upheavals of the Protestant and Roman Catholic reformations.

HIST 362 Units: 1.5 Hours: 3-0
Revolutionary and Napoleonic Europe, 1789-1815
Examination of French implementation of the ideas and values of the Enlightenment and a study of European reaction to revolutionary change in political and social structures.
Note: 240 recommended.

HIST 362A Units: 1.5 Hours: 3-0
France and International Relations, 1814-1914
A study of France in terms of European Great Power politics and imperialism/colonialism. Particular attention to the relation between foreign affairs and domestic politics.
Note: 240 recommended.

HIST 362B Units: 1.5 Hours: 3-0
France and International Relations, 1914-1982
A study of France in terms of European Great Power politics and imperialism/colonialism. Particular attention to the relation between foreign affairs and domestic politics.
Note: 240 recommended.

HIST 363A Units: 1.5 Hours: 3-0
Social and Cultural History of Modern Europe: 1770-1848
An examination of cultural changes in Europe under the impact of the French and industrial revolutions.
Note: 240 strongly recommended.

HIST 363B 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.
Note: 240 strongly recommended.

HIST 364 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.
Note: 105 or 240 recommended.

HIST 365 Units: 1.5 Hours: 3-0
The Second World War and the Recovery of Western Europe
An examination of the effects of the Second World War on Europe, and the recovery of the Western European states in the postwar period.
Note: 105 or 240 recommended.

HIST 366 Units: 1.5 Hours: 3-0
Gender, Religion and Politics in France, 1453-1715
A political, social, and cultural history of France from the Renaissance to the rise of Louis XIV at Versailles.
Note: 240 strongly recommended.

HIST 367A 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.
Note: Credit will be granted for only one of 370A, 370, 240 recommended.

HIST 367B 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.
Note: Credit will be granted for only one of 370B, 371, 240 recommended.

HIST 367C Units: 1.5 Hours: 3-0
Image and Reality: Scandals in France, 1787-1980
A seminar exploring notorious political, economic and sexual scandals and evaluating contemporary values and political accountability.
Note: 363 or 370A recommended.

HIST 367D 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.
Note: 363 or 370A recommended.

HIST 368 Units: 1.5 Hours: 3-0
Imperial Germany
An examination of the principal themes in German history between the formation of the united state in 1871 and the German revolution of 1918-1919.
Note: 240 recommended.

HIST 369 Units: 1.5 Hours: 3-0
Weimar and Nazi Germany
An examination of the principal themes and developments in German history between the end of World War One and the collapse of the Third Reich in 1945.
Note: 105 or 240 recommended.

HIST 370 Units: 1.5 Hours: 3-0
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, SLAV 374.

HIST 371 Units: 1.5 Hours: 3-0
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, SLAV 376.

HIST 372A Units: 1.5 Hours: 3-0
Modern Ukraine
Note: Credit will be granted for only one of 377, SLAV 377.

HIST 373 Units: 1.5 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 374 Units: 1.5 Hours: 3-0
Medieval Law and Literacy
An examination of the history of writing, literacy and literate modes in the European manuscript tradition of law and legal records, from the sixth through the fifteenth centuries. Emphasis is placed on the central role of law and literacy in the development of societies in the Middle Ages, at the level both of government and of private individuals. Students will work
### COURSE LISTINGS

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HIST 382A</strong>&lt;br&gt;Units: 1.5&lt;br&gt;The Scientific Revolution**</td>
<td>1.5</td>
<td>3-0</td>
<td>An examination of the rise of the ‘new science’ of the 17th century. Topics include: the birth of the experimental method; science and the occult; and the social relations of science. &lt;br&gt;Note: Credit will be granted for only one of 382A, 382B. &lt;br&gt;- 260 strongly recommended.</td>
</tr>
<tr>
<td><strong>HIST 382B</strong>&lt;br&gt;Units: 1.5&lt;br&gt;The Origins of Modernity**</td>
<td>1.5</td>
<td>3-0</td>
<td>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. &lt;br&gt;Note: Credit will be granted for only one of 382B, 382A. &lt;br&gt;- 260 strongly recommended.</td>
</tr>
<tr>
<td><strong>HIST 383A</strong>&lt;br&gt;Units: 1.5&lt;br&gt;The Enlightenment in Britain**</td>
<td>1.5</td>
<td>3-0</td>
<td>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. &lt;br&gt;Note: Credit will be granted for only one of 383A, 383B. &lt;br&gt;- 380, 382A and/or 382B strongly recommended.</td>
</tr>
<tr>
<td><strong>HIST 383B</strong>&lt;br&gt;Units: 1.5&lt;br&gt;The Enlightenment in Europe**</td>
<td>1.5</td>
<td>3-0</td>
<td>An examination of Enlightenment thought and culture in 18th-century Europe. Topics include: the world of the French philosophers; 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. &lt;br&gt;Note: Credit will be granted for only one of 383B, 383A. &lt;br&gt;- 260, 382A and/or 382B strongly recommended.</td>
</tr>
<tr>
<td><strong>HIST 386</strong>&lt;br&gt;Units: 1.5&lt;br&gt;Criminality and Violence in Europe, 1400-1800**</td>
<td>1.5</td>
<td>3-0</td>
<td>A seminar on criminal justice and cultural dimensions of violence in early modern Europe. Topics will include torture, changing execution rates, gender and the rise of the prison. &lt;br&gt;Prerequisites: 240 or permission of the instructor.</td>
</tr>
<tr>
<td><strong>HIST 388</strong>&lt;br&gt;Units: 1.5 or 3.0&lt;br&gt;Topics in European History**</td>
<td>1.5 or 3.0</td>
<td>3-0</td>
<td>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. &lt;br&gt;Note: May be taken more than once for credit in different topics with permission of the Chair.</td>
</tr>
<tr>
<td><strong>HIST 389</strong>&lt;br&gt;Units: 1.5 or 3.0&lt;br&gt;Seminar in European History**</td>
<td>1.5 or 3.0</td>
<td>3-0</td>
<td>Selected topics in European history. &lt;br&gt;Note: May be taken more than once for credit in different topics with permission of the Chair.</td>
</tr>
<tr>
<td><strong>HIST 390</strong>&lt;br&gt;Units: 3.0&lt;br&gt;War in the Modern World, 1755 to the Present**</td>
<td>3.0</td>
<td>3-0</td>
<td>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. &lt;br&gt;Prerequisites: 6 units of History.</td>
</tr>
<tr>
<td><strong>HIST 392</strong>&lt;br&gt;Units: 1.5 or 3.0&lt;br&gt;Seminar in the History of the Second World War**</td>
<td>1.5 or 3.0</td>
<td>3-0</td>
<td>Selected topics in the history of the Second World War. &lt;br&gt;Note: May be taken more than once for credit in different topics with permission of the Chair. &lt;br&gt;Prerequisites: 9 units of History; 380 recommended.</td>
</tr>
<tr>
<td><strong>HIST 393</strong>&lt;br&gt;Units: 1.5 or 3.0&lt;br&gt;Topics in the Historical Study of Peace and War**</td>
<td>1.5 or 3.0</td>
<td>3-0</td>
<td>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. &lt;br&gt;Note: May be taken more than once for credit in different topics with permission of the Chair. &lt;br&gt;Prerequisites: 6 units of History; 240 and/or 390 recommended.</td>
</tr>
<tr>
<td><strong>HIST 394</strong>&lt;br&gt;Units: 1.5&lt;br&gt;Seminar in Peace and War Studies**</td>
<td>1.5</td>
<td>3-0</td>
<td>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. &lt;br&gt;Note: May be taken more than once for credit in different topics with permission of the Chair. &lt;br&gt;Prerequisites: 6 units of History.</td>
</tr>
<tr>
<td><strong>HIST 396</strong>&lt;br&gt;Units: 1.5 or 3.0&lt;br&gt;Topics in the History of Science**</td>
<td>1.5 or 3.0</td>
<td>3-0</td>
<td>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. &lt;br&gt;Note: The course may be taken more than once for credit in different topics with permission of the Chair.</td>
</tr>
<tr>
<td><strong>HIST 398</strong>&lt;br&gt;Units: 3.0&lt;br&gt;Formerly: 495&lt;br&gt;Third Year Honours Essay**</td>
<td>3.0</td>
<td>3-0</td>
<td>Supervised readings and research. Students will be required to write a research essay of 7,500-10,000 words under the direction of a member of the department. &lt;br&gt;Note: Credit will only be granted for one of 398 and 495.</td>
</tr>
<tr>
<td><strong>HIST 434A</strong>&lt;br&gt;Units: 1.5&lt;br&gt;Formerly: PACI 434A&lt;br&gt;Late Imperial China**</td>
<td>1.5</td>
<td>3-0</td>
<td>A study of politics, society, economy and culture in late imperial China between 1600 and 1912. Focuses on historical continuity and change within the dyadic interactions between tradition and modernity, the state and society, the Chinese and ethnic minorities, as well as China and foreign powers. &lt;br&gt;Note: Credit will be granted for only one of 434A, PACI 434A.</td>
</tr>
<tr>
<td><strong>HIST 434B</strong>&lt;br&gt;Units: 1.5&lt;br&gt;Formerly: PACI 434B&lt;br&gt;Twentieth-Century China**</td>
<td>1.5</td>
<td>3-0</td>
<td>An examination of Republican and Communist China between 1912 and 2000. Covers the rise and fall of the Republic and 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. &lt;br&gt;Note: Credit will be granted for only one of 434B, PACI 434B.</td>
</tr>
<tr>
<td><strong>HIST 436A</strong>&lt;br&gt;Units: 1.5&lt;br&gt;Rise and Fall of Imperial Japan**</td>
<td>1.5</td>
<td>3-0</td>
<td>Traces the rise of Imperial Japan as a reaction to Euro-American imperialism and as a means of &quot;levelling&quot; 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). &lt;br&gt;Note: Credit will be granted for only one of 436A, PACI 436A. &lt;br&gt;- 256 recommended.</td>
</tr>
<tr>
<td><strong>HIST 436B</strong>&lt;br&gt;Units: 1.5&lt;br&gt;Japan’s Postwar Economic History**</td>
<td>1.5</td>
<td>3-0</td>
<td>Examines the factors giving rise to rapid economic growth in postwar Japan. These include economic reforms during the Occupation and the peace settlement; rapid capital accumulation in the 1950s; the relationship between exports and imports in economic development; distribution, social factors affecting the economy, the oil crisis and rise in the yen; the “Bubble Economy” and its bursting in the 1990s. &lt;br&gt;Note: Credit will be granted for only one of 436B, PACI 436B. &lt;br&gt;- 256 recommended.</td>
</tr>
<tr>
<td><strong>HIST 436C</strong>&lt;br&gt;Units: 1.5&lt;br&gt;History of Japan-Canada Relations**</td>
<td>1.5</td>
<td>3-0</td>
<td>Examines the history of migration, diplomacy, trade, religion and culture between Japan and Canada for the past 125 years. Issues of race, class and gender will be integrated as will the resulting cultural representations constructed around things and people involved in the Japan-Canada nexus. &lt;br&gt;Note: 256 strongly recommended.</td>
</tr>
<tr>
<td><strong>HIST 438</strong>&lt;br&gt;Units: 1.5 or 3.0&lt;br&gt;Topics in East Asian History**</td>
<td>1.5 or 3.0</td>
<td>3-0</td>
<td>An intensive study of selected aspects of East Asian history. &lt;br&gt;Note: May be taken more than once for credit in different topics with permission of the Chair.</td>
</tr>
<tr>
<td><strong>HIST 439</strong>&lt;br&gt;Units: 1.5 or 3.0&lt;br&gt;Seminar in East Asian History**</td>
<td>1.5 or 3.0</td>
<td>3-0</td>
<td>Selected topics in East Asian history. &lt;br&gt;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.</td>
</tr>
<tr>
<td><strong>Advanced Courses: World &amp; Comparative</strong></td>
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<tr>
<td><strong>HIST 440</strong>&lt;br&gt;Units: 1.5 or 3.0&lt;br&gt;Topics in Middle East History**</td>
<td>1.5 or 3.0</td>
<td>3-0</td>
<td>An intensive study of selected aspects of modern Middle East history. &lt;br&gt;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.</td>
</tr>
</tbody>
</table>
The Chair.

ent topics to a maximum of 6 units with permission of

105 recommended.

Modern Colonial Empires and the Making of

British Columbia and the American Pacific

Examines the historical junctures and socio-economic conditions in which modern Islamist move-
ments have emerged. For comparative perspective, the course will study the politicization of Christian and Jewish communities in the Middle East (the Arab East, plus Iran, Israel, Turkey) and North Africa, and will also reflect on the political influence of religion in neighbouring areas.

Note: Credit will be granted for only one of 443, 468, 469 (if taken in the same topic). 105 recommended.

Religion and State in the Modern Middle East

Religion and State in the Modern Middle East

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.

Topics in World and Comparative History

Topics in World and Comparative History

Advanced Specialized Courses

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.

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). Preference given to students with at least third-year standing or approval of the department.

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 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 maximum of 6 units, and not more than 3 units in any given term.

Honours Thesis

Students will prepare an honours thesis under the direction of a member of the Department. After acceptance of the thesis by the supervising faculty member, the student will defend it in an oral examination. The thesis will be 7,500-10,000 words in length unless it is an expansion of a third year honours essay (398) in which case it will be 15,000-20,000 words in length.

Note: Credit will only be granted for one of 496 and 497.

Human and Social Development

Interdisciplinary Courses

Faculty of Human and Social Development

Policy in the Human Services

The objectives of this course are to provide an introduction to the major 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.

Women in the Human Services

This course provides an opportunity to reflect critically on the experiences of women in 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.

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 Schools of Child and Youth Care, Nursing, and Social Work. All students must have basic computing and word processing skills prior to enrolling in the course. Students taking the course off-campus must have access to a computer with a CD-ROM.

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.
HSD 462
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 practise 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 462, SOCW 471, 479.

HSD 463
Approaches to Substance Use: Prevention and Treatment
This course will examine 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 463, SOCW 472.

Prerequisites: 462, CYC 462 or SOCW 479 or another course with permission of the instructor.

HSD 464
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
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 490
Units: 1.5 or 3.0
Directed Studies
Individual studies involving directed readings, projects, or special studies under the direction of a faculty member. A proposal is developed in consultation with a faculty member and includes a plan for the evaluation of the student's work. The proposal must be approved by the Dean before students are allowed to register.

Note: Offered as resources permit. May be taken more than once for credit in different topics.

HSM 415
Units: 1.5
HSM 416
Units: 1.5
HSM 417
Units: 1.5
HSM 418
Units: 1.5
Hospitality/Service Operations and Quality Management
This course explores the key challenge in managing specific service processes and also considers quality management frameworks and principles. Topics to be examined are: defining and measuring service quality, quality economics and customer worth, designing and planning for service quality, QFD and the House of Quality. Service capacity planning and waiting line management, service control and service quality improvement.

Note: Designed to be taken in conjunction with HSM 415, 417.

Prerequisites: All third year commerce core or permission of the BCom Program Director.

HSM 419
Hospitality/Service Human Resource Management
In services companies, the interaction between the customer and the employee is both an opportunity and a challenge for management. This course looks at the unique aspects of building an excellent human resource management system in hospitality and service industries. The topics include: the role of the servant leader, creating a service culture, attracting, developing and retaining high performers, reward systems in service organizations and designing systems to support service delivery.

Note: Designed to be taken in conjunction with HSM 415, 416.

Prerequisites: All third year commerce core or permission of the BCom Program Director.

HUMA 120
Units: 3.0
Communities of Learning
An introduction to humanistic inquiry that examines the nature, role, and value of the intellectual life from ancient times to the postmodern world. Scholars from a number of disciplines will contribute to the course.

Notes: Credit will be granted for only one of 120, 100.

- Restricted to first-year students registered in the Faculty of Humanities.

HUMA 150
Units: 1.5
Tools, Techniques, and Culture of the Digital Humanities
A survey of the tools, techniques, and culture of humanities computing. Topics include: impact of computing on society and academe; strategies for online research; evaluating digital academic resources; digitising materials and converting analog materials to digital (text, image, and sound); using communicative, word-processing, spreadsheet, database, and image-, sound-, and text-manipulation software; building web-sites; the Portfolio system.

HUMA 250
Units: 1.5
Digital Representation and Creation in a Humanities Context
Examines the impact of computing on society and academe, through electronic modeling and creation strategies for materials that comprise the focus of the humanities. Topics include: exploration of the traditions of humanistic representational strategies; implications of modeling/representing this information digitally; basic textual encoding; design and use of relational database systems; use of multimedia tools for creative and representational endeavours; and computer-mediated communicative techniques and immersive environments.

Prerequisites: 150

HUMA 350
Units: 1.5
Key Applications: Electronic Publishing and Computer-Assisted Analysis
Examination of key applications for digital humanities work in electronic publishing and the analysis of electronic objects within traditional, and new, frameworks of humanistic inquiry. Topics include: a survey of ways of knowing and ways of expressing knowledge in the humanities; advanced text encoding (TEI-XML); the generation of textual corpora; numerical and graphical analysis with relational databases, spreadsheets, and purpose-built software; and publication tools (such as XSLT) and systems.

Prerequisites: 250

HUMA 450
Units: 1.5
Digital Humanities Project Seminar
Seminar culminating in the completion of a large individual student project integrating digital humanities projects with the core of the student’s disciplines. Topics include: implications of a digital approach to disciplinary work; project planning and management; tools and techniques. Meetings also include consultation sessions. Projects are carried out in conjunction with the department of the student’s program.

Prerequisites: 350
**COURSE LISTINGS**

**HUMA 491** Units: 1.5 Hours: 3-0
Directed Studies in Digital Humanities
A directed studies course in an area of the digital humanities. May be combined with curriculum offered by the Digital Humanities Summer Institute.
**Note:** May be taken more than once for credit in different topics.
**Prerequisites:** Permission of the instructor.

**IA**

**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, ED-D, ED-P, EDCI, 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.

**IB**

**International Business**
Faculty of Business
Courses offered by the Faculty of Business are also found under the following course codes: COM (Commerce), ENT (Entrepreneurship), 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 415** Units: 1.5 Hours: 3-0
Cross-National Management
An analysis of the influence of national culture on managerial practices, including the issues surrounding the transferability of such managerial practices.
**Note:** Credit will be granted for only one of 415, 302.
**Prerequisites:** COM 321 and 361, or IB 301 and COM 220, and fourth-year standing.

**IB 416** Units: 1.5 Hours: 3-0
International Marketing
Opportunities, characteristics, and trends in foreign markets as well as strategies and problems of adapting marketing concepts and methods in international settings.
**Note:** Credit will be granted for only one of 416, 401.
**Prerequisites:** COM 351 and 361, or COM 250 and IB 301, and fourth-year standing.

**IB 417** Units: 1.5 Hours: 3-0
International Finance
Financial problems of multinational business; international financial environment; long term capital commitment to an international venture; financial techniques for firm operation.
**Note:** Credit will be granted for only one of 417, 403.
**Prerequisites:** COM 371 and 361, or COM 240 and IB 301, and fourth-year standing.

**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.
**Prerequisites:** All third year commerce core.
**Corequisites:** May only be taken concurrently with IB 415, 416 and 417 and COM 400.
**Pre- or corequisites:** Undergraduate course in International Business offered by the Faculty of Business.

**IB 419** Units: 1.5 Hours: 3-0
Practicum in International Education and Training
Students may choose to undertake a 1.5 or 3.0 unit practicum toward the end of their program. A practicum focuses on an area of professional interest and provides an opportunity to consider intercultural principles and issues in a practical setting. Placement are arranged through the program office with an approved institution or organization. A 1.5 unit practicum consists of at least 50 hours of activity; a 3.0 unit practicum involves a minimum of 100 hours.
**Grading:** INP, COM, N or F.

**IB 420** Units: 1.5 or 3.0
Final Project in Intercultural Education and Training
Students may choose to undertake a 1.5 or 3.0 unit final project toward the end of the Intercultural Education and Training Program. The final project pro-

**IET**

**IET 420** Units: 1.5 Hours: 3-0
Topics in Intercultural Education
Selected major topics and issues in intercultural education and training. Students are advised to consult with the Program Office for information on the subject and course schedule.
**Note:** May be taken more than once for credit in different topics to a maximum of 3 units of credit toward the Diploma in Intercultural Education and Training; open to other students with third or fourth-year standing.

**IET 430** Units: 1.5 Hours: 3-0
Facilitating Intercultural Relationships
This course develops a range of interpersonal and organizational skills that build positive intercultural relationships and strengthen communication. It focuses on strategies such as equity policy development, analysis of social justice issues, promotion of anti-racism, facilitation meetings and workshops, dispute resolution, sensitivity building, and advocacy and management of change in intercultural settings.

**IGOV**

**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. A focus 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 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.

**2007-08 UVIC CALENDAR**

Provides an opportunity to demonstrate knowledge of both theory and practice in a selected area of intercultural studies.
**Grading:** INF, COM, N or F.

**AE 410** Units: 1.5
Topics in Intercultural Education
Selected major topics and issues in intercultural education and training. Students are advised to consult with the Program Office for information on the subject and course schedule.
**Note:** May be taken more than once for credit in different topics to a maximum of 3 units of credit toward the Diploma in Intercultural Education and Training; open to other students with third or fourth-year standing.

**AE 430** Units: 1.5
Facilitating Intercultural Relationships
This course develops a range of interpersonal and organizational skills that build positive intercultural relationships and strengthen communication. It focuses on strategies such as equity policy development, analysis of social justice issues, promotion of anti-racism, facilitation meetings and workshops, dispute resolution, sensitivity building, and advocacy and management of change in intercultural settings.

**AE 370** 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. A focus 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.

**AE 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.

**AE 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 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  
**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.

**Prerequisites:** 380 and 381.

IGOV 384  
**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  
**Economy, Society, and Aboriginal Governance**  
This course will focus on the economic and social contexts of aboriginal governments in Canada. Matters covered will 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  
**Personnel Management in Indigenous Organizations**  
This course will focus on the skills and understanding that managers working in indigenous organizations need to have 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  
**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 context of contemporary indigenous context.  
**Prerequisites:** 380 and 381.

IGOV 482  
**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.

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**IS Indigenous Studies**

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**Program in Indigenous Studies**

**Interdisciplinary Programs**

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**IS 220**  
**Units:** 1.5  
**Hours:** 3-0  
**Introduction to Indigenous Studies**  
An interdisciplinary, introductory course taught from Indigenous perspectives focused on worldviews, history, land, governance, spirituality and the arts of indigenous peoples around the world.

**IS 220**  
**Units:** 1.5  
**Hours:** 3-0  
**Preparation Seminar for Indigenous Research Apprenticeships and Community Internships**  
Weekly seminar to provide students with knowledge and skills for working in First Nations communities, Aboriginal organizations, or within campus-based academic research teams through a Research Apprenticeship (320) or Community Internship (321). Includes a broad overview of historical and contemporary issues facing First Nations, Métis and Inuit peoples and an introduction to western and Indigenous research methodologies, and presentations by representatives from First Nations communities, Aboriginal organizations, and campus-based researchers.  
**Note:** Registration is limited to students in the LE.NONET program. Enrollment limited to 25 students.  
**Prerequisites:** Permission of instructor.

**IS 320**  
**Units:** 1.5  
**Indigenous Research Apprenticeship**  
Students will gain practical experience within a university research setting. In consultation with the Apprenticeship Coordinator, the student will identify an area of research interest and will undertake 200 hours of research under the supervision of a faculty member from any department. Students will prepare and submit a final project report.  
**Note:** Registration is limited to students in the LE.NONET program.  
**Prerequisites:** 220 and permission of instructor.  
**Grading:** INP; letter grade.

**IS 321**  
**Units:** 1.5  
**Indigenous Community Internship**  
Students will gain practical experience within an Indigenous community or organization setting. In consultation with the Internship Coordinator, the student will identify an area of interest and will undertake 200 hours of research under the supervision of a community advisor from an Indigenous community or organization. Students will prepare and submit a final project report.  
**Note:** Registration is limited to students in the LE.NONET program.  
**Prerequisites:** 220 and permission of instructor.  
**Grading:** INP; letter grade.

**IS 371**  
**Units:** 1.5  
**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  
Also: EDCI 372  
**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 observe 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.

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**ITAL**

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**Italian Department of Hispanic and Italian Studies**

**Faculty of Humanities**

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**ITAL 100A**  
**Units:** 1.5  
**Hours:** 3-1  
**Formerly:** first half of 100  
**Beginners’ Italian**  
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  
**Hours:** 3-0-1  
**Formerly:** second half of 100  
**Beginners’ Italian II**  
A continuation of 100A. Emphasis will continue to be placed on the acquisition of basic skills. Vocabulary and grammatical concepts will be expanded.  
**Note:** Credit will be granted for only one of 100B, 100, 149.  
**Prerequisites:** 100A or permission of the department.

**ITAL 149**  
**Units:** 3.0  
**Hours:** 6-2  
**Beginners’ Italian**  
Intensive Italian language instruction for beginning language students. Equivalent to 100A/100B.  
**Note:** Credit will be granted for only one of 149 and 100, 100A, 100B.
ITAL 250A  
Units: 1.5  
Hours: 3-1  
Formerly: first half of 200  
Review of Grammar and Conversation 1  
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 will be 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 (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, 310.  
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 grammar-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 hours: 3-0  
Formerly: 403  
Dante's Divine Comedy (in English)  
A study of all three parts of the Divine Comedy: Inferno, Purgatorio, and Paradiso, and their relationship to Courtly Love, mythology, theology, and medieval thought in general.  
Note: Credit will be granted for only one of 470, 403.  
Prerequisites: Second-year standing.

ITAL 472A  
Units: 1.5  
Hours: 3-0  
Formerly: half of 472  
Boccaccio's Decameron (in English)  
A study of the human comedy Boccaccio creates in his Decameron and its relationship with the changing world of late medieval Italy.  
Note: Credit will be granted for only one of 472A, 472.  
Prerequisites: Second-year standing.

ITAL 472B  
Units: 1.5  
Hours: 3-0  
Formerly: half of 472  
Francis Petrarch: His Life as Literature (in English)  
The life of Petrarch seen through his literary works. The primary focus will be on Petrarch's Canzoniere and his Letters, within the context of political turbulence in Italy and Avignon.  
Note: Credit will be granted for only one of 472B, 472.  
Prerequisites: Second-year standing.

ITAL 473  
Units: 1.5  
Hours: 3-0  
Formerly: 370B  
Renaissance Literature  
Major literary works of Renaissance Italy. Authors to be studied may include Lorenzo de' Medici, Poliziano, Machiavelli, Ariosto, Vittoria Colonna, Michelangelo, and Tasso.  
Note: Credit will be granted for only one of 473, 370B.  
Pre-or corequisites: 350 or 351.

ITAL 474  
Units: 1.5  
Hours: 3-0  
Formerly: 370D  
Italian Comic Theatre  
The development of the Italian comedy, from the Mandragola of Niccolò Machiavelli to the comedies of Carlo Goldoni, with particular emphasis given to the influence of the Commedia dell'Arte and of the hedonistic atmosphere of 18th Century Venice 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 478  
Units: 1.5  
Hours: 3-0  
Formerly: 370C  
Topics in Modern Italian Literature  
Major literary works of 20th Century Italy. Authors to be studied may include Tozzi, Svevo, Pirandello, Pavese, Moravia, and Maraini.
JAPA 149* Units: 3.0 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: 3.0 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, 101B, or equivalent. Limited to 25 students per section.

JAPA 201A Units: 1.5 Hours: 3-0
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 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
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.

JAPA 201A 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: 3.0 Hours: 6-0-1
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. Limited to 25 students per section.
Prerequisites: A minimum grade of B in 150 or 200 or equivalent, or permission of the instructor.

JAPA 250

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
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
Japanese Literature in Translation: From 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, verse forms and haiku poetry, 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
Modern Japanese Literature in Translation:
From 1868 to 1945
A survey, through selected English translations, of Japanese literature from the Meiji Restoration until the end of the Pacific War. The course will focus on works of writers like Natsume Soseki, Mori Ogi, 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
Modern Japanese Literature in Translation:
From 1945 to the Present Day
A chronological continuation from JAPA 303A, this course covers literature from Japan's reconstruction after its defeat in 1945 to the present day. The course will focus on fiction by writers like Kawabata, Tanizaki, Oe, Mishima and Murakami.
Note: Credit will be granted for only one of 303B, 303.
Prerequisites: Second-year standing or permission of the instructor.

JAPA 311* Units: 3.0 Hours: 6-0-1
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 B+ in 312 or permission of the instructor.

JAPA 314* Units: 1.5 Hours: 3-0-1
Formerly: part of 411
Advanced Composition: I
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 equivalent or permission of the instructor.

JAPA 315* Units: 1.5 Hours: 3-0-1
Formerly: part of 411
Advanced Composition: II
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 Kuro-
sawa Akira, Mizoguchi Kenji, and Ozu Yasujirō 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 taken in the same topic. Students who have taken high school Latin should consult with the instructor before enrolling in any Latin course. LATI 202 is the prerequisite for LATI 301, 307, 308, 309, 310 and 350, three of which will be offered annually, circumstances permitting. Courses at the 400 level have a prerequisite of at least 3 units of Latin at the 300 level or above, or permission of the Department.

JAPA 358 Units: 1.5 or 3.0 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.

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. Topic: “A Multidisciplinary Study of Community Emotions in speech communities, and to sociolinguistic considerations such as class, gender, and social setting. Topic: “A Multidisciplinary Study of Community Emotions in speech communities, and to sociolinguistic considerations such as class, gender, and social setting. Note: Credit will be granted for only one of 359, 358 if taken in the same topic.

JAPA 396 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 396, LING 396.

LATI 101 Units: 1.5 Hours: 3-0 Introductory Latin: I
No previous knowledge of Latin is required. An introduction to the basic grammatical patterns of the language; reading of simple passages of Latin. Note: Credit will be granted for only one of 101, 100.

LATI 102 Units: 1.5 Hours: 3-0 Introductory Latin: II
A continuation of 101, completing the survey of basic Latin grammar, and designed to improve students ability to read the language. Note: Credit will be granted for only one of 102, 100.

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.

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.

LATI 301 Units: 1.5 Hours: 3-0 Formerly: part of 390A and 390B Vergil
Selected readings in Latin from one or more of Vergil’s Eclogues, Georgics, and Aeneid. Note: Credit will be granted for only one of 301, 390A, 390B. - This is a variable content course which may be taken more than once for credit in different topics with permission of the instructor.

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.
LATI 300
Units: 1.5
Hours: 3-0
Ovid
Readings from Ovid’s Metamorphoses or other poems.
Prerequisites: Completion of at least 3 units of Latin at the 300 level or above, or permission of the department.

LATI 301
Units: 1.5
Hours: 3-0
Roman Love Poetry
Readings may be taken from some or all of the following: Catullus, Propertius, Tibullus, Ovid’s Amores.
Note: Credit will be granted for only one of 310, 401.
Prerequisites: Completion of at least 3 units of Latin at the 300 level or above, 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.

LATI 410
Units: 1.5
Hours: 3-0
Horace
Readings from one or more of Horace’s Epodes, Odes, and Epistles.
Prerequisites: Completion of at least 3 units of Latin at the 300 level or above, or permission of the department.

LAW
Law
Faculty of Law

LAW 100
Units: 3.0
The Constitutional Law Process
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, concurrence in a federal state, the sources of Canadian Constitutional Law, executive power, legislative authority, delegation, the role of the judiciary, civil liberties, developing issues in Constitutional Law.
Note: Full year course: 75 hours.

LAW 102
Units: 2.0
The Criminal Law Process
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.

LAW 104
Units: 1.5
Hours: 4-0
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.

LAW 106
Units: 1.0
The Legal Process
The Legal Process seeks a perspective of the processes of decision making throughout the legal system by examining its major institutions and the function of substantive and procedural law within them. 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.

LAW 108
Units: 6.0
The Private Law Process
These courses concentrate upon some of the basic rules or processes which regulate the relationships between private citizens. There is an attempt to integrate and interrelate many of the basic concepts normally covered in Contracts, Property, and Torts.
108A (2 units) Contracts (full year)
108B (2 units) Property (full year)
108C (2 units) Torts (full year)
Note: Full year course: 200 hours.

LAW 110
Units: 1.5
Legal Research and Writing
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.

LAW 301
Units: 2.0
Hours: 4-0
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
Hours: 3-0
Criminal Law: I
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 offences 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
Hours: 3-0
Criminal Procedure
The criminal law is highly procedural in nature; it is frequently in this realm that cases are lost or won. 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: 3.0-7.5 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.

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.

LAW 307 Units: 1.5 or 2.0 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.

LAW 309 Units: 2.0 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 compellability of witnesses, corroboration, hearsay, character, opinion evidence and a variety of other topics will be critically examined in the light of objectives of the legal process.

LAW 310 Units: 1.5 Hours: 3-0

Restitution
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 it is based: 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-olificious context.

LAW 311 Units: 1.0 Hours: 2-0

Regulation of Financial Institutions
The role played by Canadian banks, insurance companies, and trust and loan companies as financial intermediaries and the need for a supervisory framework to protect both the soundness and safety of these institutions and the security of their customers. Topics will include jurisdictions issues, foreign banking, consumer insurance, institutional failures, and multi-national financial service agreements. Focus will be concentrated on the governing legislation, current financial statements, and contemporary issues presented in the business press.

LAW 312 Units: 1.5 Hours: 3-0

Debtor and Creditor Relations
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.

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 issue bid regulation, and the regulation of securities market intermediaries.

LAW 314 Units: 1.0 or 1.5 Hours: 2-0 or 3-0

Commercial and Consumer Law
This course focuses on the commercial and consumer law relating to the sale of goods and services, including an examination of the Sale of Goods Act and the Business Practices and Consumer Protection Act. Students are also introduced to the Vienna Convention on the International Sale of Goods. This course was formerly called Sale of Goods (1.0 to 1.5 units)

LAW 315 Units: 2.0 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 therefore stress the rules and materials respecting the modern company. Students will, however, be exposed to the sole proprietorship, partnership and related agency principles.

LAW 316 Units: 2.0 Hours: 4-0

Secured Transactions and Negotiable Instruments
After a brief history of chattel security law, 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.

LAW 317 Units: 2.0 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 settlement agreement, financing of the purchase and assessment of title, as well as preparation of the file for closing. Brief consideration will be given to condominium law and landlord and tenant relations.

LAW 318 Units: 1.5 or 2.0 Hours: 3-0 or 4-0

Remedies
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.

LAW 319 Units: 1.5 Hours: 3-0

Trusts
This course concerns the trust as a mode of disposition of property for the benefit of successive or single beneficiaries, and the contrast is made with absolute dispositions. Comparison is made with other concepts of obligation and property holding. The creation, administration, variation and termination of express trusts are examined, and also the theory and applicability of resulting and constructive trusts.

LAW 320 Units: 1.5 Hours: 3-0

Succession and Estate Planning
This course involves the study of testamentary and intestate succession. The principles of the law of wills, both common law and statutory, and the statutory provisions for the devolution of intestate estates, will be examined. The drafting of wills is a feature of this course. Estate planning involves a general examination of the disposition of assets in life and on death against the background of income, inheritance and gift taxes.

LAW 321 Units: 1.5 Hours: 3-0

Competition Law
This course will trace the development of competition law from the common law doctrines of restraint of trade through the areas of trademarks and statutory regulation of competitive practices contained in anti-competition and competition law, with an examination of the policy and theory underlying government regulation of restrictive trade practices.

LAW 322 Units: 1.5 Hours: 3-0

Family Law
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.

LAW 324 Units: 1.0 or 1.5 Hours: 2-0

Children and the Law
Considering such questions as adoption, affiliation, child protection, juvenile delinquency, custody and access, this course will focus upon the impact of law and legal institutions on children and their relations in society. The course will attempt to bring the knowledge and expertise of specific, related disciplines to bear upon the development of law and the legal institutions in this area.

LAW 326 Units: 2.0 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.

LAW 327 Units: 1.5 Hours: 3-0 Jurisprudence
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 Units: 1.5 Hours: 3-0 Also: ES 419 Formerly: ES 450 Green Legal Theory
A seminar that addresses a theoretical basis for environmental law and policy; individual research, presentation and contribution to a collected work on the theme is required. Open to upper year students in the Faculty of Law and students with at least fourth-year standing in the Environmental Studies Program.
Notes: - Credit will be granted for only one of LAW 328, ES 419, 450.
- Law students should consult with the instructor prior to enrollment. Environmental Studies students require the permission of the Director of Environmental Studies. Limited enrollment.

LAW 329 Units: 1.5 Hours: 3-0 Environmental Law
This is a foundational course for students interested in environmental law and policy. Students will acquire an overview of recent developments and debates within this area. Topics addressed include federalism and the environment, common law rights and remedies, public participation and judicial review, market mechanisms for environmental protection, endangered species, and trade and the environment. A key focus concerns the extent to which environmental law reflects, or fails to reflect, evolving social and other values.

LAW 330 Units: 1.5 Hours: 3-0 International Law
Public International Law is concerned with the legal relations of states and the individuals who compose them. This 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 331 Units: 1.0 or 1.5 Hours: 3-0 Coastal and Marine Law
This course considers various problems in international ocean resources law and policy. Bordering three oceans, Canada has an extensive interest in ocean matters particularly regarding fishing, offshore hydrocarbon development, navigation and marine environment. This course concentrates on the problems and opportunities created by the existence of 200 nautical mile offshore zones.

LAW 332 Units: 1.5 Hours: 3-0 International Trade Law
International trade constitutes a crucial 30% of Canada's 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 U.S. trade law, its operation and impact upon Canada.

LAW 333 Units: 1.5 Hours: 3-0 Social Welfare Law
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 issues of work, housing and income security, and the practice of poverty law as a strategy for change.

LAW 335 Units: 1.5 Hours: 3-0 Advanced Business Associations
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 affect, and is affected by the broader social and political context.

LAW 336 Units: 1.0 or 1.5 Hours: 3-0 Collective Agreements: Negotiation and Arbitration
A study of the negotiation and administration of collective agreements in the private sector. Topics will include labour negotiation theory, bargaining structure, grievance resolution, contract interpretation, individual rights and the role of the Labour Relations Board.

LAW 337 Units: 1.0 or 1.5 Hours: 3-0 Dispute Resolution: Theory and Practice
This course will examine the forms and functions of major disputing processes - mediation, negotiation and adjudication. These are the processes which are critical to lawyers and other persons concerned with preventing or resolving disputes. Both court adjudication and alternative dispute resolution (ADR) will be studied from theoretical, critical and practical perspectives. The course will also examine and develop the skills used in various dispute resolution procedures.

LAW 338 Units: 1.5 Hours: 3-0 Mediation and Lawyers
This course involves an in-depth and critical examination of the use of the mediation process to resolve a wide variety of substantive disputes involving business, family, criminal, environmental, international, and public policy issues. The course will provide students with an opportunity to review and evaluate contemporary perspectives on the mediation process and to develop skills that successful mediators employ in helping parties resolve their disputes. This course builds on the concepts studied in Law 337.

LAW 339 Units: 1.5 Hours: 3-0 Legal Theory Workshop
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 Units: 1.5 Hours: 3-0 Indigenous Lands, Rights and Governance
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 Units: 1.5 Hours: 3-0 Historical Foundations of Aboriginal Title and Government
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 Units: 1.5 Hours: 3-0 Immigration and Refugee Law
This course examines immigration and refugee law, policy and practice. Topics considered include the historical perspective, constitutional jurisdiction, the admission of immigrants, refugees and refugees, exclusion and removal, the acquisition of citizenship and the process of inquiries, appeals and judicial review. Relevant aspects of international law are covered. 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 Units: 0.5-2.0 Hours: 3-0 Contemporary Issues in Law
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 reform.
Note: The unit value of the course may vary from 0.5 to 2 units per term. May be taken more than once for credit.

LAW 344 Units: 1.5 Hours: 3-0 Insurance Law
The 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 Units: 2.0 Hours: 4-0 Taxation
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 346A Units: 1.0 or 1.5 Hours: 2-0 or 3-0 Advanced Taxation: Corporations
This course builds upon the concepts studied in Taxation (345) and is concerned primarily with the Canadian income tax treatment of Canadian corporations and their shareholders.
Note: Credit will be given for only one of 346A, 346.

LAW 346B Units: 1.0 or 1.5 Hours: 2-0 or 3-0 Advanced Taxation: International Taxation
This course builds upon the concepts studied in Taxation (345) and is concerned primarily with the international tax system as it functions in respect of Canadian income tax treatment of non-residents (both individuals and corporations) on Canadian source income and tax treatment of foreign source income of Canadian residents. The course will include the study of Canada’s tax treaties, taxation of...
Canadian corporations on income of foreign subsidiaries and branches, and other aspects of international taxation.

LAW 347  Units: 1.5  Hours: 3-0  
Intellectual Property
A study of the concept of intellectual property and the principles and policies of selected areas of intellectual property law, primarily: (a) registered trade marks and related common law provisions and (b) copyright in its categories of “literary,” “dramatic,” “musical,” and “artistic” works and with a focus upon new technologies such as photocopying, videotaping and computer programming. 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 software in the context of patent, copyright and trade secret law, including confidentiality and non-competition agreements in the market place. General patent law and its application to pharmaceutical and biotechnological commodities is included.

LAW 349  Units: 1.5-3.0  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 Counsellor and with the mentors from the Victoria Bar, students develop practical legal skills and examine the role of the legal profession in the small business environment.

LAW 350  Units: 3.0-7.5  Hours: 6-0  
Clinical Term
Clinical legal education is predicated upon the assumption of a recognized role within the legal system by the law student. The experience gained from the participation in the role becomes the focus for reflection and examination of substantive legal rules, procedural and strategic positions, and introspective critical analysis of the role of the lawyer in the legal process. This requires a carefully supervised program with manifold opportunities for one to one instructor student supervision and regular group sessions. Programs envisaged would take place in a community law office.

LAW 350A - (3.0-7.5)  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 arrangements.

LAW 351  Units: 3.0-7.5  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 governmental 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 selected areas of governmental activity and will examine 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 responsibility of the lawyer as advocate, legislator, counsel, lobbyist, administrator and policy adviser. A clinical placement may be arranged for each student.

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 arrangements.

LAW 352  Units: 3.0-8.0  
Exchange Law Term
With the permission of the Dean, or his or her designate, where the Faculty of Law has entered into an exchange program or agreement with another law faculty in Canada or elsewhere, a student may be allowed to 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 enrollment in an exchange term, the number of credits for which the student may be enrolled, and the requirements for successful completion of term are governed by the regulations adopted by the Faculty for this program.

Grading: COM, N or F.

LAW 353  Units: 1.0-2.0  Hours: 3-0  
Environmental Law Centre Clinic
This course offers students an opportunity to study the theory and engage in the practice of public interest environmental lawyering in a supervised clinical setting. Students enrolled in the Clinic provide legal information and assistance to environmental NGOs, community groups and First Nations. They develop public interest lawyering skills including advocacy through media, client counselling, and case development and management. The class meets for a weekly seminar to discuss ongoing projects and related readings, and to exercise skills. At the end of term, every student will submit for evaluation a major written product prepared for a designated clinic client.

Note: May be taken twice for credit to a maximum of 4 units with the approval of the Associate Dean.

Grading: COM, N or F.

LAW 353A  Units: 4.0  Hours: 0-2-2;0-2-2  
Environmental Law Centre Clinic - Intensive Stream
Intensive public interest environmental law clinical program in which students are supervised as they assist conservation, community and First Nations organizations with legal representation, advocacy services and advice. Students receive training in client interviewing and counseling, negotiation, file management, professional responsibility and litigation practice and specialized tutorials tailored to each project's specific issues.

Note: Students must have the permission of the Instructor prior to balloting for Law 353A.

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 variety of areas (including forest tenures, practices, stumpage, cut regulation and land use planning) against the overarching metric of sustainability. A disciplinary approach is used. The course also considers emerging topics such as forest certification and First Nations forestry.

LAW 355  Units: 2.0  Hours: 4-0  
Legal Skills
The course uses materials from substantive law to examine and develop the skills of the lawyer in interviewing, counselling and negotiating.

Grading: COM, N or F.

LAW 356  Units: 2.0  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 relationship to the law of evidence and procedure. In particular, the objectives and techniques of pretrial motions, examinations for discovery, examination and cross-examination of witnesses, exhibits, and the presentation of legal argument will be considered.

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 persons differently than heterosexuals either because of its substance or because of its applications in practice by courts and tribunals. Legal issues will be considered in their historical, social, and political contexts. Some comparative analysis will be included. Particular topics to be considered in depth will be selected by the instructor in consultation with students.

LAW 358  Units: 1.5  Hours: 3-0  
Race, Ethnicity, Culture and the Law
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 interactions of legal and social institutions. The continuing existence of personal and institutional racism, its effects on minority individuals and groups, and resistance to it within minority ethnic and cultural communities will also be considered. Among the topics to be addressed will be: race theory; multiculturalism and nationalism; immigration and refugee policy; intersections of race and gender; employment equity; policing and race; and ethnic and the administration of justice; race and the legal profession; and, First Nations justice.

LAW 359  Units: 1.5  Hours: 3-0  
Civil Liberties and the Charter
This course will examine the relationship between government and the individual. The major emphasis will be upon the development and protection of civil liberties and human rights in Canada. Reference may also be made to Human Rights Legislation and International Agreements.

LAW 360  Units: 1.5  Hours: 3-0  
The Legal Profession
This course is designed to provide students with insights and perspectives into the organization and operation of the legal profession as a vital institution in the legal process. The class will be asked to consider the legal profession in its social context, its formal organization, its ethical procedures, and the role of the lawyer throughout the legal process. It appears to many that the role of the 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 relationships between law, state, society and culture in Canada in comparison and contrast with Australia. These two modern liberal democratic states which previously comprised clusters of British settler-colonies, established at different times, for different purposes, during the late 18th and through the 19th century provide a rich setting for examining the growth of colonial legal culture, tensions between imperial governance and settler demand and the competing pressures for centralization and pluralism in law and the administration of justice. The colonies of Upper Canada, Vancouver's Island/British Columbia, New South Wales, and South Australia are the subjects of the most detailed study.

**LAW 363**
Units: 1.5
Hours: 3-0
Conflict of Laws

This course seeks to illustrate problems arising out of the interaction of laws and legal systems. Such important questions as choice of law, recognition of foreign judgments, doctrines of domicile and renvoi will be investigated in order to develop an understanding of the choices and values inherent in decision-making in this area.

**LAW 364**
Units: 1.5
Hours: 3-0
Law, Governance and Development

In the era of globalization public law reform has become an increasingly important aspect of development. How can developing democracies and post-conflict societies deal effectively with corruption and abuse of power, and establish political stability and sustainable development? 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: 1.0-4.0
Hours: 2-0
Legal Mooting

A student may be awarded credit in the second and third years of the student's program to a maximum of 3 units in either year and 4 units in the student's entire program for supervised participation in moot-court 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: 1.0 or 1.5
Hours: 2-0
Patent Law

A study of the principles and practical implications of patent protection in Canada. Discussions will include the fundamental concepts of patentability, validity, 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

A consideration of Canadian telecommunications, entertainment and media law and policy including constitutional and regulatory issues from historical and current perspectives. A number of selected topics will be examined including the convergence of the traditionally distinct "broadcast" and "non-broadcast" functions with each other and with the Internet, promotion of competition as opposed to regulation, the relationship with international trade and globalization and the application of intellectual property, particularly copyright, to the media of communication.

**LAW 368**
Units: 1.5
Hours: 3-0
Indigenous Women and the Law

This course examines the unique historical and contemporary place 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 legal liberal 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 socio-legal 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, aboriginal 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 on the founding Treaties, legal structure and instruments, case law, and process.

**LAW 375**
Units: 1.5
Hours: 3-0
Law, Constitutionalism and Cultural Difference

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 institutional form will be considered. Contexts include the constitutions of culturally diverse societies, indigenous self-government, separate schools, and the international protection of human rights.

**LAW 376**
Units: 1.5
Hours: 3-0
International Environmental Law

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 377**
Units: 1.5
Hours: 3-0
International Commercial Law and Arbitration

This course introduces students to international commercial law and arbitration, including arbitral agreements, applicable law, the enforcement of arbitral awards and arbitrations involving state parties. Particular attention is paid to the international regulation of corporate conduct and critically examining the role international commercial law and arbitration plays in the process of globalization.

**LAW 378**
Units: 1.5
Hours: 3-0
Equality, Human Rights, and Social Justice Law

This course will examine the role of law and of legal conceptions of equality in struggles by equity seeking groups and individuals for social justice in Canada. Topics covered include the relation of social movements to law and social change. Charter equality rights and strategic litigation, the institutional and jurisprudential frameworks of domestic human rights law, and critical theoretical debates pertaining to anti-discrimination law.

**LAW 388**
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 389**
Units: 1.0-2.0
Appeal - Review of Current Law and Law Reform

UVic Law's legal journal offers students the opportunity to participate, as members of the editorial board,
in the production of a legal review. Students involved are responsible for running all aspects of the journal. In addition, each student is to prepare and submit a paper for possible publication. The editorial board is chosen by a committee. Applications for editorial board membership are accepted during the spring balloting period. Despite the absence of formal pre-requisites, 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.

Grading: COM, N, or F.

LAW 390 Units: 0
Major Paper Requirement
In order to complete the Major Research Paper requirement for the LLB degree, a student must enrol in Law 390. 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: 1.0-2.0 Hours: 2-0
Supervised Group Project
Upper year students may undertake a program of supervised group study as a basis for working through some common interest in law. Groups will ordinarily have a maximum of twelve members. They will be formed on the students’ initiative but will require the agreement of a faculty member to act as the project supervisor. Students who are contemplating the formation of a group are responsible for designing a project proposal and securing a faculty supervisor. They should discuss their plans with the Dean or Associate Dean as early as possible in the academic year prior to the year in which the project will be undertaken so that the necessary planning can be done and approval secured. All group projects require the written approval of the Dean and may be allowed to extend over two terms. In exceptional circumstances and with the written approval of the Dean, group members may 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: 1.0-4.0 Supervised Research and Writing
During either of the second or third years of a student’s program, a student may undertake a substantial research and writing project on a legal subject approved by a member of the Faculty of Law who agrees to supervise the project. With the approval of the Dean or the Dean’s nominee; (1) a student may be awarded credit for two separate supervised research papers provided that the total credit does not exceed 4 units and each paper is started and completed in separate terms; (2) this course may be extended over two terms; and (3) if this course is to be taken for 1 unit only.

LING Linguistics

Linguistics Department of Linguistics
Faculty of Humanities

Courses marked * are acceptable for either the BA or the BSc degree.

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, 100B, 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 communication, and language acquisition.

Note: Credit will be granted for only one of 100B, 100A, 360, 362.

Prerequisites: 100A or equivalent.

LING 110 Units: 1.5 Hours: 3-0
Language and Thought
Does the language we speak control or influence the way we think? Explores the nature and origins of language; the psycholinguistic evidence for relationships between cognitive and linguistic structures; possible interactions between language processes and thought processes; the role of perceptual categories and folk science in cognitive mapping.

LING 159 Units: 1.5 Hours: 3-0
First Nations Language I
Provides instruction in a First Nations language at the introductory level.

Note: May be taken more than once for credit with approval of a faculty advisor. Except by permission of the department, may be taken only by students in the Developmental Standard Term Certificate program in Education or the Certificate in Aboriginal Language Revitalization program. 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 unique features. Also considered are techniques for language study from written materials and with elders, and the revitalization of local languages.
### Course Listings

**LING 185**  
**Units:** 1.5 or 3.0  
**Aboriginal Language Revitalization Practicum**  
An intensive 70 or 140 hour work/study under the mentorship of an Elder or fluent speaker to increase fluency and/or to develop understanding of local language preservation and revitalization issues and strategies. Choice of mentor requires faculty approval. Practicum will focus on local language revitalization program planning and collaboration with local language workers.  
**Note:** Registration in this course is normally limited to students in the Certificate Program in Aboriginal Language Revitalization. The course is normally offered off-campus.  
Grading: INP, COM, N or F.

**LING 186**  
**Units:** 1.5  
**Language in First Nations Culture**  
An intensive examination of the ways in which language is embedded in the cultural heritage and social context of a selected community, with a focus on oral history, including legends, song, dance, and cultural practices, methods, and protocols, along with the impacts and implications of social change on language.  
**Note:** This course is normally delivered in community settings to both students in the Certificate Program in Aboriginal Language Revitalization and non-credit participants with a focus on the language and culture of the community.

**LING 187**  
**Units:** 1.5  
**Special Topics in Language Revitalization**  
This course will involve intensive study of some aspect of language preservation and/or revitalization. Content may vary.  
**Note:** Registration is normally limited to students in the Certificate Program in Aboriginal Language Revitalization. It may be taken more than once for elective credit in the Certificate in Aboriginal Language Revitalization with approval of the academic advisor. The course is normally offered off-campus.

**LING 195**  
**Units:** 1.5  
**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:** 230 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.

**LING 259**  
**Units:** 1.5  
**First Nations Language II**  
Provides instruction in a First Nations language at the second-year level.  
**Note:** May be taken more than once for credit with approval of a faculty adviser. Except by permission of the department, may be taken only by students in the Developmental Standard Term Certificate program in Education or the Certificate in Aboriginal Language Revitalization program. 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 260**  
**Units:** 1.5  
**Hours:** 3-0  
**Also:** JAPA 250  
**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.  
**Notes:** Credit will be granted for only one of 260, JAPA 250.  
- Previous knowledge of Japanese not necessary.

**LING 261**  
**Units:** 1.5  
**Hours:** 3-0  
**Also:** CHIN 261  
**Introduction to 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, and culture, and the history of Chinese linguistics.  
**Notes:** Credit will be granted for only one of 261, CHIN 261.  
- Previous knowledge of Chinese not necessary.

**LING 290**  
**Units:** 1.5  
**Hours:** 3-0  
**Writing Systems of the World**  
Concerns the four origins of writing and subsequent evolution, the differences among logographic, syllabic and alphabetic systems, and the characteristics of a good writing system. Brief consideration is given to spelling conventions and calligraphy.

**LING 300**  
**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** part of 383  
**Auditory and Perceptual Phonetics**  
A study of the perception of speech sounds from an auditory, articulatory, and acoustic point of view. This course expands on the phonetic content of LING 200 to cover advanced speech sound recognition and production, and it introduces students to topics from the speech perception and neuropsychetics research literature.  
**Note:** Credit will be granted for only one of 300, 383.  
**Prerequisites:** 200.

**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.

**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 adviser. Except by permission of the department, may be taken only by students in the Developmental Standard Term Certificate program in Education or the Certificate in Aboriginal Language Revitalization program. 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.
PSYC 369, PSYC 370B
Seminar and Practicum in Applied Linguistics
PSYC 370B
PSYC 370A
Also:
Contemporary issues in second language teaching
Units:
Prerequisites:
discourse and pragmatics.
Prerequisite:
LING 377
Units: 1.5
Prerequisites:
Linguistics
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
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
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
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
Intonation, Rhythm, Stress, and Tone
Detailed analysis of the stress and intonation patterns of English and their relation to grammatical functions; phonetic descriptions of rhythm and voice quality are practised and used to analyze speech in various languages.
LING 387
Units: 1.5
Issues in Cross-Cultural Communications
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
### COURSE LISTINGS

barriers created by linguistic and supra-linguistic misunderstandings.

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<th>Course Code</th>
<th>Units</th>
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<tbody>
<tr>
<td>LING 398</td>
<td>1.5</td>
<td>3-0</td>
<td>Language and Gender</td>
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<td>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 &quot;politically correct&quot; language, and issues in verbal and non-verbal communication relating to gender socialization.</td>
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<td>Prerequisites: None; a previous course in Linguistics is desirable.</td>
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<th>Course Code</th>
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<tbody>
<tr>
<td>LING 401</td>
<td>1.5</td>
<td>3-0</td>
<td>Salish</td>
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<td>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.</td>
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<td>Prerequisites: Third-year standing.</td>
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<tr>
<td>LING 403</td>
<td>1.5</td>
<td>3-0</td>
<td>Dene (Athabaskan)</td>
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<td>An introduction to the linguistic structures of the Dene (Athabaskan) family of languages, one of the major language families of British Columbia. The course will offer a survey of Dene language structures, and will include discussion of oral and written literature and related cultural topics. Language revitalization among Dene language communities will be discussed.</td>
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<td>Prerequisites: Third-year standing.</td>
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<tr>
<td>LING 405</td>
<td>1.5</td>
<td>3-0</td>
<td>Wakashan</td>
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<td>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.</td>
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<td>Prerequisites: Third-year standing.</td>
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<tr>
<td>LING 409</td>
<td>1.5</td>
<td>3-0</td>
<td>Morphology</td>
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<td>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.</td>
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<td>Prerequisites: 200 and 203; or 251 and 252.</td>
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<tr>
<td>LING 410A</td>
<td>1.5</td>
<td>3-0</td>
<td>Syntax</td>
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<td>This course will emphasize syntactic analysis and argumentation in the description of the major structures of English using an extended phrase structure model.</td>
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<td>Prerequisites: 200 and 203; or Diploma status; or 230, 251 and 252.</td>
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<tr>
<td>LING 410B</td>
<td>1.5</td>
<td>3-0</td>
<td>Advanced Syntactic Analysis</td>
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<td>Surveys current issues in syntactic theory with particular emphasis on contemporary theories and cross-linguistic analysis.</td>
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<td>Prerequisites: 410A.</td>
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<tr>
<td>LING 420</td>
<td>1.5</td>
<td>3-0</td>
<td>Historical and Comparative Linguistics</td>
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<td>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.</td>
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<td>Prerequisites: 200 and 203; or Diploma status; or 230 and 251.</td>
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<tbody>
<tr>
<td>LING 431</td>
<td>1.5</td>
<td>3-0</td>
<td>History of First Nations Language Research in British Columbia</td>
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<td>Perspectives on the history of research concerning First Nations languages of BC. The course will focus on community-based initiatives in the context of the impact of church, government, and university policies and personnel.</td>
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<td>Prerequisites: A previous course in Linguistics and third-year standing.</td>
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<tr>
<td>LING 438</td>
<td>1.5</td>
<td>3-0</td>
<td>Second Language Phonology</td>
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<td>Examines the phonetic and phonological systems of interlanguage including the acquisition of syllables, syllabic units such as onset, nucleus and coda, and other linguistic features. Explores contemporary theories of L2 phonological acquisition that set out to explore L2 pronunciation in terms of L1 transfer, UG and markedness.</td>
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<td>Prerequisites: 200.</td>
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<tr>
<td>LING 440</td>
<td>1.5</td>
<td>3-0</td>
<td>Generative Phonology</td>
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<td>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.</td>
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<td>Prerequisites: 200, 251 or Diploma status.</td>
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<tr>
<td>LING 441</td>
<td>1.5</td>
<td>3-0</td>
<td>Advanced Phonological Analysis</td>
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<td>Surveys current issues in the analysis of phonological phenomena with particular emphasis on contemporary theories, including generative (rule-based and constraint-based) as well as non-generative approaches, and on cross-linguistic properties.</td>
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<td>Prerequisites: 440.</td>
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<tbody>
<tr>
<td>LING 449</td>
<td>1.5</td>
<td>3-0</td>
<td>Directed Readings in Linguistics</td>
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<td>Note: Open only to Major and Honours students with a minimum GPA of 6.50 in Linguistics courses, or permission of the department.</td>
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<tr>
<td>LING 450</td>
<td>1.5</td>
<td>3-0</td>
<td>Seminar in Languages</td>
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<td>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.</td>
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<tbody>
<tr>
<td>LING 459</td>
<td>1.5</td>
<td>3-0</td>
<td>First Nations Language IV</td>
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<td>Provides instruction in a First Nations language at the fourth-year level.</td>
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<td>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 Developmental Standard Term Certificate program in Education or the Certificate in Aboriginal Language Revitalization program. May not be counted towards a General, Major, or Honours program in Linguistics or Applied Linguistics, or towards a Diploma in Applied Linguistics.</td>
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<td>Prerequisites: 359.</td>
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<tr>
<td>LING 461</td>
<td>1.5</td>
<td>2-2</td>
<td>Linguistic Field Methods</td>
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<td>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.</td>
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<td>Prerequisite: 100, 340.</td>
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<tbody>
<tr>
<td>LING 462</td>
<td>1.5</td>
<td>3-0</td>
<td>Computational Linguistics: An Introduction</td>
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<tr>
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<td>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.</td>
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<td>Prerequisite: 440 and 410A.</td>
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<tbody>
<tr>
<td>LING 463</td>
<td>1.5</td>
<td>3-0</td>
<td>Computational Linguistics: Quantitative Methods</td>
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<td>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.</td>
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<td>Prerequisite: 482. A previous course related to phonetics or dialectology recommended.</td>
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<tr>
<td>LING 464</td>
<td>1.5</td>
<td>3-0</td>
<td>Computational Linguistics: Grammars</td>
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<td>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.</td>
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<td>Prerequisites: 203 or 252; and 481 or 482.</td>
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<tr>
<td>LING 499</td>
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<td>3-0</td>
<td>Honours Thesis</td>
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<td>The Honours thesis is to be based on supervised research carried out by the student during the final year. The recommended style and format of the Honours thesis are the same as those stipulated for graduate theses.</td>
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MATH

Mathematics
Department of Mathematics and Statistics
Faculty of Science

MATH 100
Units: 1.5
Hours: 3-0-1
Calculus: I
Review of analytic geometry; functions and graphs; limits; derivatives; techniques and applications of differentiation; antiderivatives; the definite integral and area; logarithmic and exponential functions; trigonometric functions; Newton’s, Simpson’s and trapezoidal methods.
Note: Credit will be granted for only one of 100, 102. See notes 1, 2, 3, and 4 on page 182.
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 182.
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 182.
Prerequisites: Principles of Mathematics 12 or equivalent, or 120.

MATH 120
Units: 1.5
Hours: 3-0-1
Formerly: MATH 012
Precalculus 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 182. 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.

MATH 140
Units: 1.5
Hours: 3-0
Mathematics for Economics and Econometrics
Matrix algebra: basic operations, linear equations, determinants and cofactors, linear independence, solution to linear systems, quadratic forms; partial derivatives, constrained and unconstrained optimization; applications to economics and econometrics.
Note: Credit will be granted for only one of 140, 103, 240. Credit will not be granted for 140 if students have credit for one of 200, 202 or 205, AND one of 133 or 233A.
Prerequisites: 100 or 102.

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 160A
Units: 1.5
Hours: 3-0
Formerly: half of 160
Mathematics For the Elementary Teacher: I
Logic; problem solving; counting problems involving permutations and combinations; elementary set theory and Venn diagrams; probability; statistics.
Notes: - Credit will be granted for only one of 160A, 160B. Credit will not be granted 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.
Prerequisites: Principles of Mathematics 11 or equivalent, or permission of the department.

MATH 160B
Units: 1.5
Hours: 3-0
Formerly: half of 160
Mathematics For the Elementary Teacher: II
Shape, volume, area, symmetry, congruence and similarity; number systems and operations; understanding, analysis and validation of different algorithms for addition, subtraction, multiplication and division.
Notes: - Credit will be granted for only one of 160A, 160B. Credit will not be granted to students who have 4.5 or more units of credit in mathematics courses numbered 100 or higher, excluding 120.
- Intended for prospective Elementary Education students.
Prerequisites: 160A, or permission of the department.

MATH 200
Units: 1.5
Hours: 3-0-1
Calculus of Several Variables
Vectors and vector functions; solid analytic geometry; partial differentiation; directional derivatives and the gradient vector; Lagrange multipliers; multiple integration with applications; cylindrical and spherical coordinates; line and surface integrals; Green’s Theorem. The section of this course for engineering students will also cover the following topics: surface integrals and the divergence theorem.
Note: Credit will be granted for only one of 200, 202, 205. If all of 202, 200, and 201 are taken, credit will be 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; introduction to differential equations.
Note: Credit will not be given for both 202 and any of 200, 201, or 205. 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, functions of several variables, multivariate differential calculus, multiple integrals.
Note: Credit will be granted for only one of 205, 200, 202.
Prerequisites: 101.

MATH 222
Units: 3-0
Formerly: 324
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: I
Matrices: simultaneous equations; determinants; vectors in 2-, 3- and n-tuple space; inner product; linear independence and rank; change of coordinates; rotation of axes in 2- and 3-dimensional Euclidean space; orthogonal matrices; eigenvalues and eigenvectors.
Note: Credit will be granted for only one of 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; capi-
### Course Listings

#### MATH 299 Units: 1.5 Hours: 3-0
**Intermediate Combinatorics**
A seminar on solving non-routine challenging mathematical problems that require insight, creativity and ingenuity. Strongly recommended to students who wish to participate in Putnam Mathematics Competitions.

**Note:** Credit will be granted for only one of 299, 199.

**Prerequisites:** Permission of the instructor and a grade of A- or higher in two of 100, 101, 122, 222, 233A, 233C.

**Pre- or corequisites:** A MATH course numbered 200 or higher.

#### MATH 322 Units: 1.5 Hours: 3-0
**Applied Differential Equations**
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

**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.

**Note:** Credit will be granted for only one of 323, 323A, 325.

**Pre- or corequisites:** 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-Bendixon 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; 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 granted for only one of 325, 323, 323A, 326.

**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; multivariate 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: I**
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:** 223C; 133 or 233A.

**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 348 Units: 1.5 Hours: 3-0**
**Numerical Methods with Applications to Finance**
Selected topics in Numerical Analysis with applications in Finance where appropriate. Typical topics include: rounding error, root finding, systems of linear equations, finite dimensional optimization, quadrature, interpolation, approximation, and dynamic stochastic optimization.

**Prerequisites:** 200, 201; 133 or 233A; or 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 360 Units: 1.5 Hours: 3-0**
**Mathematics for Education and Liberal Arts**
A survey of mathematical techniques and methods with a focus on analytical skills and problem solving. Topics will be chosen from the following areas: Number Theory, Euclidean and non-Euclidean geometry, symmetries of polygons, probability, recurrences, strategy and games, the mathematics of social choice theory, and statistics.

**Note:** Not open for credit to students in any honours, major, minor or general program offered by the Department of Mathematics and Statistics. May not be used for credit in any degree program in the Faculty of Science or the Faculty of Engineering.

**Prerequisites:** At least 3.0 units, and no more than 6.0 units, of Mathematics courses, excluding MATH 120, or permission of the Department.

**MATH 362 Units: 1.5 Hours: 3-0**
**Elementary Number Theory**
Divisibility, primes, congruences, arithmetic functions, primitive roots, quadratic residues, basic representation and decimals, and a selection from the following topics: Pythagorean triples, representation as sums of squares, infinite descent, rational and irrational numbers, distribution of primes.

**Note:** For Mathematics Majors and Honours students, and for students planning to teach mathematics in secondary schools.

**Prerequisites:** MATH 122 or 233C, 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 theory of Euclidean 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, 386.

**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, 133 or 233A, and one of STAT 250, 254, 255, 260.

**MATH 399 Units: 1.5 Hours: 3-0**
**Advanced Problem-Solving Seminar**
A second seminar course on solving non-routine mathematical problems. Strongly recommended to students who wish to participate in Putnam Mathematics Competitions.

**Prerequisites:** A grade of B+ or higher in 239 or 299, or a score of 10 or higher in a Putnam Competition, and permission of the instructor.

**Pre- or corequisites:** One of 333A, 334, 362.

**MATH 415 Units: 1.5 Hours: 3-0**
**History of Mathematics**
Survey of the development of Mathematics from its earliest beginnings through to the present.

**Pre- or corequisites:** One of 333A, 334, 362.

**MATH 422 Units: 1.5 Hours: 3-0**
**Combinatorial Mathematics**
Permutations and combinations, generating functions, recurrence relations, inclusion-exclusion principle, Mobius inversion, Polya’s enumeration theorem, Ramsey’s theorem, systems of distinctive representatives, combinatorial designs, algorithmic aspects of combinatorics.
Prerequisites: 222 and 233C and at least 1.5 units of 300-level mathematics courses, or permission of the department.

MATH 423 Units: 1.5 Hours: 3-0
Graph Theory
An introduction to the combinatorial, algorithmic and algebraic aspects of graph theory.
Prerequisites: 222 and at least 3 units of 300-level mathematics courses, or permission of the department.

MATH 433C Units: 1.5 Hours: 3-0
Abstract Algebra: II
Field theory; composition series of groups; Galois Theory.
Prerequisites: 333A, and 333C or 333B.

MATH 433D Units: 1.5 Hours: 3-0
Applied Algebra
A survey of the applications of algebraic structures in computer science, applied mathematics, and electrical engineering. Topics may include: cryptography, switching circuits, finite state machines, state diagrams, machine homomorphism, group and matrix codes, Polya-Burnside enumeration, Latin squares, primality testing.
Prerequisites: 333A.

MATH 434 Units: 1.5 Hours: 3-0
Formerly: 336
Real Analysis: I
Theory of differentiation; Reimann-Stieltjes integration; Fourier series; functional analysis.
Note: Credit will be granted for only one of 434, 336, 334.
Prerequisites: 334.

MATH 435 Units: 1.5 Hours: 3-0
Real Analysis: II
Note: Primarily for Honours students.
Prerequisites: 434 or 336 or permission of the department.

MATH 438 Units: 1.5 Hours: 3-0
Formerly: 338
Introduction to Complex Analysis
Elementary functions of a complex variable, analytic functions, differentiation and integration of functions of a complex variable, power series and residue theory.
Note: Credit will be granted for only one of 438, 330B, 339.
Prerequisites: 334.

MATH 443A Units: 1.5 Hours: 3-0
Advanced Ordinary Differential Equations
Nonlinear systems; the Poincaré map method; stable, unstable and centre manifold theorems for periodic orbits; asymptotic behaviour of solutions; normal forms; averaging and perturbation methods; chaos; Smale’s horseshoe, symbolic dynamics, Melnikov method, strange attractors.
Prerequisites: 325 and 334, or permission of the department.

MATH 445 Units: 1.5 Hours: 3-0
Advanced Partial Differential Equations
The Cauchy-Kovalevskaya theorem; geometric theory of first order partial differential equations; well-posed problems; elliptic equations; semigroups.
Prerequisites: 434 or 336 or permission of the department.

MATH 447 Units: 1.5 Hours: 3-0
Nonlinear Programming
Introduction to theory and algorithm of nonlinear programming. Topics may include: unconstrained optimization theory and iterative methods; Lagrange multipliers and Karush-Kuhn-Tucker theorem for constrained optimization problems; convex programming and duality; penalty function methods.
Note: Credit will be granted for only one of 447, 491A (if taken in this topic).
Prerequisites: 133 or 233A, 330A or 334; or permission of the Department.

MATH 452 Units: 1.5 Hours: 3-0
Stochastic Processes
Introduction to the branch of probability theory which deals with the mathematical analysis of systems that evolve in time while undergoing chance fluctuations. Main topics include random walks, Markov chains, Poisson processes, birth and death processes, renewal theory. Examples illustrate wide applicability of stochastic processes in many branches of science and technology.
Prerequisites: 352 or STAT 350.

MATH 462 Units: 1.5 Hours: 3-0
Topics in Number Theory
A selection of topics which may include compositions and partitions, geometry of numbers, rational approximation, distribution of primes, order of magnitude of arithmetic functions, proofs of the Prime Number Theorem and of Dirichlet’s Theorem on primes in arithmetic progressions, continued fractions.
Prerequisites: 362.

MATH 465 Units: 1.5 Hours: 3-0
Topics in Topology
Topics chosen from point set topology, introduction to algebraic topology, classification of surfaces, homology theory, and homotopy theory.
Note: May be taken more than once for credit in different topics with permission of the department. May be offered only in alternate years.
Prerequisites: 330A or 334, and permission of the instructor.

MATH 477 Units: 1.5 Hours: 3-0
Stochastic Financial Modelling
Brief review of financial concepts (hedging, arbitrage, options etc.), Martingales, drift and volatility, the binomial model, Brownian motion, the Black-Scholes option pricing formula and some of its extensions.
Prerequisites: 452, and ECON 435 or permission of the Department.

MATH 490 Units: 1.5 or 3.0
Directed Studies in Mathematics
Note: Students must consult the department before registering. May be taken more than once for credit in different topics with permission of the Chair of the department.

MATH 491A Units: 1.5
Topics in Applied Mathematics
Through this course the department offers advanced topics in various areas of applied mathematics. Possible topics include population modeling, neural network models, 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
Topics in Pure Mathematics
Through this course the department offers advanced topics in various areas of pure mathematics. Possible topics include advanced complex analysis, functional analysis, introduction to manifolds, introduction to differential geometry, and mathematical logic.
Note: Topics to be determined. Information on the topics available in any given year will be available from the Chair of the department. 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 for credit in different topics with permission of the Chair of the department.

ME Music Education
Department of Curriculum and Instruction
Faculty of Education
Instrumental courses are normally subject to enrollment limits because of space and equipment needs. Departmental permission is required for non-education students. Courses offered by the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, IA, IET, ME, PE.

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 122 Units: 1.0 Hours: 1-1
World Music Workshop
A study of aural techniques in a selection of world music styles through performance, improvisation, and listening.

ME 180 Units: 1.0 Hours: 0-3
Ensembles
Large Ensembles, including Don Wright University of Victoria Symphonic Winds.
Note: May be taken more than once for credit to a maximum of 4 units.

ME 201 Units: 1.5 Hours: 3-0
Music Education Seminar: I
A study of the foundations of music education for secondary schools. School experience will be required.
Pre-or corequisites: 101.

ME 205 Units: 1.5 Hours: 3-0
Formerly: 105
Music Fundamentals
Introduction to the language of music including sight reading, ear training and analysis. Normally followed by 206.
COURSE LISTINGS

Note: Credit will not be granted for 205 and 105, MUS 100, MUS 101A, MUS 101B. Students with exceptionally strong music backgrounds may not be required to take this course.

ME 206 Units: 1.5 Hours: 3-0
Formerly: 106
Music in the Elementary School Introductory
An introduction to the foundations of music education, the elementary music curriculum, and methods currently used in BC elementary schools.
Note: Credit will be granted for only one of 206, 104, 108, 204, 304, ED-A 705, ED-A 706.
Pre-or corequisites: 205 or MUS 101A, B, and 170.

ME 207 Units: 1.5 Hours: 3-0
Music in the Elementary School Curriculum
A study of programs and materials for elementary schools. Some school experience will be required.
Note: Credit will be granted for only one of 207, 403.
Prerequisites: ME 101
Grading: INC; letter grade.

ME 208 Units: 1.5 Hours: 1.5-1.5
Studio Piano Class I
Development of piano keyboard skills: technique, simple harmonic analysis, sight reading, transposition and accompaniment patterns. For those with little or no piano background.

ME 209A Units: 1.5 Hours: 3-0
Music Education Special Topics I
Students will be exposed to a variety of topics within music education. Topics may include: instrumental jazz pedagogy, world music ensemble, multicultural music, musical theatre, music for exceptional learners, creativity in the music classroom, and technology in music education. Emphasis will be on practical experience.
Prerequisites: ME 101

ME 209B Units: 1.5 Hours: 3-0
Music Education Special Topics II
Students will be exposed to a variety of topics within music education. Topics may include: vocal jazz pedagogy, world music ensemble, multicultural music, musical theatre, music for exceptional learners, creativity in the music classroom, and technology in music education. Emphasis will be on practical experience.
Prerequisites: ME 101

ME 216 Units: 2.0 Hours: 3-0
Instrumental/Choral Techniques
Practical ensemble experience for introductory level band and secondary choral with emphasis on beginning band methods and choral literature for the junior/senior secondary school choir.

ME 219 Units: 1.5 Hours: 3-0
Choral Techniques
Practical choral techniques and literature for elementary schools conducting and methodology. A piano component may be included.

ME 220 Units: 1.0 Hours: 3-0
Instrumental Jazz: II
Expanding the skills and knowledge acquired in 120.
Prerequisites: 120.

ME 221 Units: 1.0 Hours: 1-1
Vocal Jazz: II
The course focuses on practical experience through participation. Emphasis is on repertoire, conducting, improvisation in the large and small vocal jazz ensemble.
Prerequisites: 121.

ME 303 Units: 1.5 Hours: 1.5-1.5
Instrumental Techniques and Repertoire
303A - Studio guitar class I
303B - Studio recorder class
303C - Studio ukulele class
303E - Studio guitar class II
Note: A student may take up to a maximum of 6 units in the above areas; however, the maximum number of units accepted for credit on the student's degree program will be at the discretion of the department.

ME 306 Units: 3.0 Hours: 3-0
Music in the Elementary School Advanced
A survey of texts and materials and methods of instruction for use in the elementary classroom. Sequential planning involving listening, singing, instrumental playing, and movement activities. A school experience component is normally included.
Prerequisites: 206.

ME 307 Units: 1.5 Hours: 3-0
Music in the Middle School Curriculum
A study of programs and materials for middle schools. Some school experience will be required.
Note: Credit will be granted for only one of 307, 301.
Prerequisites: 201 and 207 and admission to the Music Teaching Area or Bachelor of Music in Secondary Education.
Grading: INC; letter grade.

ME 308 Units: 1.5 Hours: 1.5-1.5
Studio Piano Class II
Continuation of development of piano keyboard skills: technique, harmonic analysis, sight reading, transposition, accompaniments and improvisation.
Note: For those with some piano background (e.g. 208 or equivalent).

ME 309A Units: 1.0 Hours: 3-0
Instrumental Techniques
Practical ensemble experience for introductory level instrumental (band/strings) in middle and secondary school classes. Emphasis will be on beginning instrumental methods and techniques.
Note: Credit will be granted for only one of 309A, 216.
Prerequisites: ME 201 and Admission to the Music Teaching Area or Bachelor of Music in Secondary Education.

ME 309B Units: 1.0 Hours: 3-0
Choral Techniques for Middle and Secondary Schools
Practical ensemble experience for introductory level choral in middle and secondary school classes. Emphasis will be on beginning choral methods and techniques.
Note: Credit will be granted for only one of 309B, 216.
Prerequisites: ME 201 and Admission to the Music Teaching Area or Bachelor of Music in Secondary Education.

ME 310 Units: 1.5 Hours: 3-0
Formerly: 207
Learning to Listen to Music
What to listen for and how to listen to music of diverse styles and genres.
Note: Credit will be granted for only one of 310, 207.

ME 316 Units: 1.0 Hours: 2-0
Instrumental Clinic
Practical ensemble experience; teaching techniques; conducting, ensemble evaluation procedures and materials at the junior/senior secondary level.

ME 319 Units: 1.5 Hours: 3-0
Vocal Techniques
Vocal production and care of the vocal instrument; development of healthy singing techniques; relevant repertoire.

ME 350 Units: 1.5 Hours: 3-0
Kodály - Pedagogy I
An overview of the Kodály concept, strategies and techniques for developing rhythmic and tonal skills, concepts, and musical attitudes; includes study of early childhood repertoire; songs, games, and dances related to the primary curriculum (years K-3).
Note: Credit will be granted for only one of 350, 400A.

ME 400 Units: 1.5 Hours: 3-0
Study of Specific Methodology
Advanced courses for those in the teaching area or concentration.

400C - Experimental Music in Schools
Prerequisites: 205, or MUS 101A and 101B, or permission of the instructor.

ME 402 Units: 1.5 Hours: 1-3
Technology in Music Education
Using computers, audio recording equipment, and software in music education, including music notation applications, recording software, music creation software, online search engines, and standard data applications. The course develops skills and techniques using this technology and examines its application in school music programs.
Note: Credit will be granted for only one of 402, 400D in a degree program.
Prerequisites: Admission to the BMus in Music Education or BEd in Music Education, or permission of the department.

ME 407 Units: 1.5 Hours: 1-2
Music in the Secondary School Curriculum
A study of programs and materials for secondary schools. Some school experience will be required.
Note: Credit will be granted for only one of 407, 401.
Prerequisites: 307
Grading: INC; letter grade.

ME 409 Units: 1.5 Hours: 3-0
Instrumental and Choral Clinic
Practical ensemble experience in secondary instrumental (band/strings), and choir. Teaching techniques, conducting, repertoire, and evaluation procedures will be addressed.
Note: Credit will be granted for only one of 409, 316.
Prerequisites: ME 309A, ME 309B. Admission to the Music Teaching Area or Bachelor of Music in Secondary Education.

MECH

Mechanical Engineering
Department of Mechanical Engineering
Faculty of Engineering

Courses offered by the Faculty of Engineering are also found under the following course codes: CENG (Computer Engineering), CSC (Computer Science), ELEC (Electrical Engineering), ENGR (Engineering) and SENG (Software Engineering).

MECH 141 Units: 1.5 Hours: 3-0-1
Engineering Fundamentals I
Forces, moments of forces, couples, resultants of force systems; distributed loads; hydrostatics; conditions of equilibrium and applications to particles and rigid bodies in two dimension; analysis of statically determinate structures including beams, trusses and...
MECH 200  Units: 1.5  Hours: 3-3*-1  
Engineering Drawing  
Note: Credit will be granted for only one of 200, ELEC 200, ENGR 150. *Indicates a 3 hour laboratory taken by students on alternate weeks.  
Prerequisites: CSC 110 and MATH 133 or 233A.

MECH 220  Units: 1.5  Hours: 3-3*-1  
Mechanics of Solids: I  
* Indicates a 3 hour laboratory taken by students on alternate weeks.  
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 242  Units: 1.5  Hours: 3-0-1  
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 285  Units: 1.5  Hours: 3-3*-0  
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. Not open to students with credit in 325.  
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 energy; entropy conversion systems; second law of thermodynamics; non-conservation of energy; entropy conversion systems; reversible and irreversible processes, some 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 295, ENGR 270.

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. Not open to students with credit in 280.  
Prerequisites: 220.

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; different configurations. Vibration of single-mass systems; free vibration characteristics, harmonic forcing, frequency response functions, applications to vibration isolation and transmissibility, shaft whip, 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.  
Prerequisites: 242 and MATH 201.

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 mechanism; 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.  
Prerequisites: MATH 200.

MECH 350  Units: 1.5  Hours: 2-3-1  
Engineering Design: I  
Design methodology; recognizing and defining open ended engineering problems, generating creative solutions, modelling, analysis, synthesis, computing and testing. Students complete a series of design oriented projects in small teams.  
Note: Credit will be granted for only one of 350, 260.  
Prerequisites: 200 or ENGR 150 or ELEC 200.

MECH 360  Units: 1.5  Hours: 3-0-1  
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.  
* Indicates a 3 hour laboratory taken by students on alternate weeks.  
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  
Thermal And Heat Transfer  
Introduction to three-dimensional problems of particle theory, limits of elasticity, creep.  
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*-0  
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 395 and 405.  
Prerequisites: CSC 160 or 115.

MECH 410  Units: 1.5  Hours: 3-3*-0  
Computer Aided Design  
Basic elements of CAD and relevance to current industrial practice. Input and output devices for geometric modelling systems. Representation of curves and curved surfaces. Graphical programming languages, and development of interactive 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.

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 ceramcs and Weibull analysis; ceramic capacitors and ferroelectrics; piezoelectric and electrooptic sensors; ceramic matrix composites; ceramic fiber reinforcements for composites.

Prerequisites: 285.

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; homogenous 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: 390
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
Water Wave Phenomena
Basic equations and approximation; equations of motion and energy balance. Solution for "small" waves, 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 442 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

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.

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.

Prerequisites: 200 or ENGR 150 or ELEC 200, and MATH 200.

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 microstructure, microtransducers and microactuators, MEMS-based sensors, packaging, assembly and testing. The course introduces basic concepts of microactuation and microproduction principles, stress 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.
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, aluminum, magnesium and titanium alloys; metal matrix composites.
Prerequisites: 285.

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 in Mechatronics
Introduction to Mechatronics; theory, selection and implementation of sensors and actuators commonly used in mechatronic systems; stepper motors, DC/AC motors, hydraulic and pneumatic actuators; resistive sensors, variable-inductance sensors, eddy-current sensors, variable-capacitance sensors, piezoelectric sensors, optical encoders, hall effect sensors, fiber optic sensors, laser-based sensors; smart sensors and actuators.
Prerequisites: PHYS 216 or ELEC 216.

MECH 492 Units: 1.5 Hours: 3-0
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 thermofluids systems. Groups of three or four students select project topics that involve the design of thermofluids systems such as power generation and refrigeration cycles, pump and piping systems, heat exchangers and heat exchanger networks, and air-conditioning and heating systems. Alternatively, students can propose their own projects in other areas of thermofluid systems.
Prerequisites: 345, 390, 392 and 395.

MECH 495 Units: 1.5 Hours: 3-1
Computational Fluid Dynamics and Heat Transfer
Methods of predictions and historical perspective; solving 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.

MEDI

Medieval Studies
Medieval Studies Program
Faculty of Humanities

MEDI 210 Units: 1.5 Hours: 3-0
Voices From the Middle Ages
Medieval writers speak to us in many voices, and in many modes: male and female, ecclesiastical and secular, serious and comic or fantastic, prose and verse. In this course a selection of medieval texts will be studied in English translation.
F01: Saints and Sinners
Note: May be taken more than once for credit in different topics to a maximum of 3 units.

MEDI 303 Units: 1.5 Hours: 3-0
The Medieval World
An interdisciplinary introduction to the Middle Ages through a comparative overview of medieval cultures and civilizations until about CE 1500, with a focus on the formation of medieval Christian Europe and its relations with Judaism, Byzantine Christianity, and Islam. Both material and intellectual culture (e.g., architecture, art, music, literature) will be studied.
Prerequisites: Second-year standing or permission of the Director of Medieval Studies.

MEDI 304 Units: 1.5 Hours: 3-0
Medieval Studies
An introduction to the interdisciplinary principles, methods, and problems in Medieval Studies. Emphasizes the question of evidence by examining primary sources (texts, images, objects, and sounds) through selected topics, involving where possible cross-cultural comparison.
Prerequisites: Second-year standing or permission of the Director of Medieval Studies. MEDI 303 recommended.

MEDI 305 Units: 1.5 Hours: 3-0
Medieval Workshop Project
Project-based course with the aim of developing skills in research and critical thinking. Primary sources (texts, images, objects, sounds) linked to the topic of the annual Medieval Studies Workshop. Where possible, comparative projects involving major medieval civilizations or religions (Latin Christian, Byzantine Christian, Islamic, Judaic, Pagan) will be encouraged.
S01: Technology, Inventions and Society: Byzantium, Islam and Europe, 500-1300
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: Second-year standing or permission of the Director of Medieval Studies. MEDI 303 or 304 recommended.

MEDI 350 Units: 1.5 Hours: 3-0
Also: LATI 350
Formerly: MEDI 250
Medieval Latin
Readings will be structured around a topic in post-classical Latin literature. Possible topics include: Latin literature of Late Antiquity, medieval epic, Latin lyric of the 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.

MEDI 360 Units: 1.5 Hours: 3-0
Selected Topics in Medieval Culture
An interdisciplinary investigation of a selected topic in the evolution of medieval culture, with an emphasis to be placed on artistic, intellectual, or spiritual life of the time.
F01: Islam and the Cultures of the Mediterranean, 950 - 1350 CE
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.

MEDI 401 Units: 1.5 Hours: 3-0
Seminar in Medieval Culture
An interdisciplinary investigation of a selected topic in the evolution of medieval culture, with an emphasis to be placed on the artistic, intellectual, or spiritual life of the time.
F01: Alternative Lifestyles: Health, Hearth, and Home in the Middle Ages
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.

MEDI 402 Units: 1.5 Hours: 3-0
Cross-Cultural Encounters and Exchanges
An interdisciplinary investigation of significant cross-cultural encounters and exchanges in the medieval world, especially between East and West or northern European and Mediterranean cultures. Possible topics include: the Crusades; the Viking expansions; multi-culturalism in Spain or Sicily; relations between eastern and western Christendoms; international trading relations; inter-relations of the medieval world and the Mongol Empire; the transmission of Arabic science and learning.
S01: The Alexander Romance, East and West
Note: May be taken more than once for credit in different topics to a maximum of 6 units.
Prerequisites: Second-year standing or permission of the Director of Medieval Studies.
### COURSE LISTINGS

**MEDI 441**
Units: 1.5  
Hours: 3-0  
**Also:** FREN 441  
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 MEDI 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.

**MEDI 451**
Units: 1.5  
Hours: 3-0  
Formally: part of 450  
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 palaeography (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. 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.

**MEDI 452**
Units: 1.5  
Hours: 3-0  
Special Topics in Medieval Manuscript Studies  
A variable content course in which special topics relating to medieval manuscripts are pursued.  
**S01:** The Bible in Medieval Society  
**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.

**MEDI 490**
Units: 1.5 or 3.0  
**Directed Studies**  
**Note:** Available to Medieval Studies majors in their final year. May be taken more than once for credit to a maximum of 3 units.  
**Prerequisites:** Permission of the Director of Medieval Studies.

**MEDI 499**
Units: 1.5  
Hours: 3-0  
Honours Graduating Essay  
The graduating essay or project will be completed under the guidance of a faculty member.  
**Prerequisites:** Honours standing in fourth year.

### MEST

**Mediterranean Studies**  
Department of Hispanic and Italian Studies  
Faculty of Humanities

**MEST 300**
Units: 1.5 (0.5 per module)  
Hours: 3-0  
The Mediterranean Region From the Perspective of Spain and Italy (In English)  
Module I, Module II, and Module III  
A study of the Mediterranean Region from the point of view of two nations which at certain periods in history controlled empires that contributed to the Western idea of a common Mediterranean Culture. The Mediterranean Sea and the Atlantic Ocean studied as determining factors in the evolution and interaction of these two cultures. The significance of the interplay between Spain and Italy analyzed, particularly between 1492-1650 and in the 20th Century during their fascist periods. Modules may include "Literary Masterpieces," "Culture and Customs," "The Influence of Religious Thought," "Empires in the Mediterranean and Beyond" and "Cinema."  
**Topic:** TBA  
**Note:** Consists of 3 modules of 4 weeks each. May be taken more than once for credit in different topics to a maximum of 3 units, but students who have already taken any module in the course must obtain Department permission before enrolling. Students wishing to take fewer than 3 modules must register through the department.  
**Prerequisites:** Second-year standing.

**MEST 308**
Units: 1.5 (0.5 per module)  
Hours: 3-0  
Fascism in the Hispanic and Italian World (in English)  
Module I, Module II, and Module III  
Modules may include "Fascism in Mussolini's Italy," "Fascism in Franco's Spain," "Fascists and Nazis Transplanted to South America" and "Exile."  
**Note:** Consists of 3 modules of 4 weeks each. May be taken more than once for credit in different topics to a maximum of 3 units, but students who have already taken any module in the course must obtain Department permission before enrolling. Students wishing to take fewer than 3 modules must register through the department.  
**Prerequisites:** Second-year standing.

**MEST 310**
Units: 1.5 (0.5 per module)  
Hours: 3-0  
The 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 Childhood," "Portrayals of the Paterfamilias;" "Portrayals of Childhood," "The Church Family," "The Family and Beyond."  
**Note:** Consists of 3 modules of 4 weeks each. May be taken more than once for credit in different topics to a maximum of 3 units, but students who have already taken any module in the course must obtain Department permission before enrolling. Students wishing to take fewer than 3 modules must register through the department.  
**Prerequisites:** Second-year standing.

### MICR

**Microbiology**  
Department of Biochemistry and Microbiology  
Faculty of Science

**MICR 200A**
Units: 1.5  
Hours: 2-2  
Formerly: part of 200  
**Introductory Microbiology I**  
A broad introduction to the field of microbiology. Prokaryotic and eukaryotic cell structure and function; physiology and growth of microorganisms; control of microbial growth; viruses; molecular taxonomy of microorganisms.  
**Note:** Credit will be granted for only one of 200A, 200.  
**Prerequisites:** Second-year standing or permission of the department.

**MICR 200B**
Units: 1.5  
Hours: 2-2  
Formerly: part of 200  
**Introductory Microbiology II**  
A broad introduction to the field of microbiology. Microbial genetics and genomics; genetic engineering, biotechnology, and industrial microbiology; environmental and applied microbiology; immunology; infectious diseases.  
**Note:** Credit will be granted for only one of 200B, 200.  
**Prerequisites:** 200A.

**MICR 302**
Units: 1.5  
Hours: 3-0  
**Molecular Microbiology**  
Genetic, genomic, biochemical and molecular approaches to studying the structure and function of microbial cells. Use of microbial systems as laboratory tools, and as model organisms for investigating biological processes. Emphasis on the application of experimental techniques to scientific problem solving.  
**Prerequisites:** 200A and 200B, or 200; BIOC 200, or permission of the department.

**MICR 303**
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.  
**Note:** Credit will be granted for only one of 303, 403.  
**Prerequisites:** 200A and 200B, or 200; and BIOC 200, or permission of the department.

**MICR 402**
Units: 1.5  
Hours: 3-0  
Virology  
An advanced consideration of the molecular aspects of viruses. Emphasis will be placed on the animal viruses with respect to: infection process; replication cycle; interactions with the host cell; mechanisms of pathogenicity; vaccines. The course consists of lectures with additional literature reading and brief seminars by students.  
**Prerequisites:** 200A and 200B, or 200; and BIOC 300A and 300B; or 300; or permission of the department.

**MICR 405**
Units: 1.5  
Hours: 3-0  
**Molecular Biotechnology**  
Advanced topics in microbiology examining developments and applications of biotechnology. Topics will vary from year to year but will include some of the following: recombinant DNA technologies, bioinformatics, fermentation processes, plant-microbe interactions, plant biotechnology, transgenics, proteomics, aquaculture and related topics in ocean microbiology. Seminars will be presented by visiting experts and several faculty members.  
**Note:** Credit will be granted for only one of 405, BIOC 405.  
**Prerequisites:** 200A and 200B, or 200; BIOC 300A and 300B, or 300.

**MICR 408**
Units: 1.5  
Hours: 3-0  
**Microbial Pathogenesis**  
Bacterial pathogens; emphasis on molecular mechanisms of pathogenesis including antigenic variation, host cell parasitism, evasion of host immune defences, and mimicry of eukaryotic structures.  
**Note:** Credit will be granted for only one of 408, 301.  
**Prerequisites:** 302 or BIOC 361; 303 or BIOC 360; BIOC 300A and 300B, or BIOC 300; or permission of the department.

**MICR 470**
Units: 1.5  
**Directed Studies in Microbiology**  
Directed studies may not be taken more than once and are normally only available to students with a
minimum cumulative GPA of 5.00 and 4th year stand-
ing in the Bioc/Micr program.

MICR 499 Units: 3.0
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, BIOL 499.

MRNE

Marine Science
Department of Biology
Faculty of Science

MRNE 400 Units: 1.5 or 3.0
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
interest of the student, and will be designed to take
maximum advantage of the laboratory and/or field
opportunities offered by the Bamfield Marine Station.
Note: May be taken more than once for credit with
permission of the department.

MRNE 401 Units: 3.0
Special Topics in Marine Biology
This course will be offered, as opportunities arise, by
distinguished scientists who are working at the Bam-
field 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 Spe-
cial Topics courses.
Note: May be taken more than once for credit with
permission of the department.

MRNE 402 Units: 1.5
Special Topics in Marine Biology
This course will be offered, as opportunities arise, by
distinguished scientists who are working at the Bam-
field 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 Spec-
cial Topics courses.
Note: May be taken more than once for credit with
permission of the department.

MRNE 410 Units: 3.0
Marine Invertebrate Zoology
A survey of marine invertebrate phyla, with emphasis
on the benthic fauna in the vicinity of the Bamfield
Marine Station. The course includes lectures, labora-
tory periods, field collection, identification, and obser-
vation. Emphasis is placed on the study of living spec-
imens in the laboratory and in the field.

MRNE 412 Units: 3.0
Biology of Marine Fishes
The taxonomic diversity, evolution, ecology and con-
servation of North Pacific fishes. Laboratory and field
topics include fish identification, stable isotope
methodologies, database design and statistical analy-
ses, and collecting/fishing techniques. A student field
research project is required.
Note: Credit will be granted for only one of 412, BIOL
431, 431A.
Prerequisites: BIOL 215, BIOL 307 recommended.

MRNE 415 Units: 1.5
Structure and Function in Animals
Structure of marine animals, and their adaptations to
the marine environment. Neurobiology, development-
tal biology, functional morphology and other topics.
Prerequisites: BIOL 215, 225, 230

MRNE 420 Units: 3.0
Marine Phycology
A survey of the marine algae, with emphasis on the
benthic forms in the vicinity of the Bamfield Marine
Station. The course includes lectures, laboratory peri-
ods, field collection, identification, and observa-
tion. Emphasis is placed on the study of living spec-
imens in the laboratory and in the field.

MRNE 425 Units: 1.5
Ecological Adaptation of Seaweeds
Morphological, physiological, genetic and reproduc-
tive adaptations of seaweeds to their natural and
man-altered environments.
Prerequisites: BIOL 215, 225, 230

MRNE 430 Units: 3.0
Marine Ecology
An analytical approach to biotic associations in the
marine environment. Opportunities will be provided
for study of the intertidal realm in exposed and pro-
tected areas and of beaches and estuaries in the
vicinity of the Bamfield Marine Station; plankton stud-
ies and investigations of the subtidal and benthic
environments by diving and dredging are envisaged.
Note: Credit will be granted for only one of 430, BIOL
406.

MRNE 435 Units: 3.0
Introduction to Biological Oceanography
An introduction to the biology of the oceans, with
supporting coverage of relevant physics and chem-
istry. Emphasis will be placed on plankton biology,
community structure and life histories, and influenc-
ing environmental factors. Collections will be made
from sheltered inlets, through Barkley Sound to off-
shore waters. The course will involve both field and
laboratory studies of plankton organisms.

MRNE 436 Units: 3.0
Ecology and Evolution of Intertidal Organisms
Intertidal ecology and emerging topics in evolution-
ary theory. Field surveys and projects will focus on
form and function of intertidal taxa and application of multi-
variate statistical techniques to large data sets.
Note: Credit will be granted for only one of 436, 401 (if
taken in same topic).
Prerequisites: BIOL 215, 307 recommended.

MRNE 437 Units: 1.5
Marine Population Ecology and Dynamics
An analytical approach to the study of marine ecol-
ogy and marine populations. Intertidal and subtidal
communities will be examined, with emphasis on the
biota of the Barkley Sound region.
Prerequisites: BIOL 215, 225, 230

MRNE 440 Units: 3.0
Biology of Marine Birds
A study of the interrelationship of birds and the ma-
rine 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
sampled utilizing seabirds and marine-associated birds
in the Barkley Sound region. Seabird identification,
classification, morphology, plumages and molt will be
examined in the laboratory.
Prerequisites: A course in Vertebrate Zoology or per-
mission of the instructor.

MRNE 445 Units: 3.0
Biology of Marine Mammals
A survey course covering systematics and distribu-
tion of marine mammals, their sensory capabilities
and physiology, with special emphasis on the Cetacea; the
course includes lectures, laboratory periods and numer-
ous field trips in the Barkley Sound region. The course will
involve an independent field study.
Prerequisites: A course in Vertebrate Zoology.

MRNE 450 Units: 1.5
Principles of Aquaculture
An interdisciplinary introduction to the principles un-
derlying 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.
Note: Credit will be granted for only one of 450, BIOL
407.

MRNE 454 Units: 1.5
Special Topics in Aquaculture
An examination of the culture techniques for selected
groups of aquatic plants, animals or micro-organisms.
Participants will be expected to complete a project
which examines some aspect of applied science
relevant to commercial culture.
Note: Credit will be granted for only one of 454, BIOL
407.

MRNE 480 Units: 1.5
Seminars and Papers in Marine Science
A weekly seminar covering current topics of interest
in the marine sciences. Seminars will be presented
by BMS researchers, graduate students, visiting sci-
entists and students.
Prerequisites: BIOL 215, 225, 230.

MUS

Music
School of Music
Faculty of Fine Arts

MUS 101A Units: 1.5
Hours: 3-0
Language of Music
The rudiments of music, musical notation and an
introduction to strict counterpoint.
Prerequisites: Evidence of musicianship acceptable
to the School.

MUS 101B Units: 1.5
Hours: 3-0
Language of Music
A continuation of 101A, introducing harmonic con-
cepts and practices.
Prerequisites: 101A or permission of the School.

MUS 105 Units: 2.0
Hours: 2-0
Introduction to Composition
This course is designed to enhance one's under-
standing of and development in compositional sys-
tem, processes and techniques through written
exercises and assignments related to 20th century
musical idioms.

2007-08 UVIC CALENDAR 335
COURSE LISTINGS

Note: Open to all music students; non-Music students by permission of the School.

MUS 111 Units: 1.5 Hours: 3-0
Elementary Materials of Music
An introduction to the rudiments of music, including pitch and rhythmic notation, basic harmonic language, and a study of the elementary principles of melodic writing and harmony.
Note: Credit will not be granted for 111 and 100, 100A, 101A, 101B. Not for credit in the BMus program.

MUS 115 Units: 3.0 Hours: 3-0
Listening to Music
A course for the non-professional, designed to enhance understanding and appreciation of Western music. Assignments include listening to recordings and attendance at selected University concerts.
Note: Credit will not be granted for 115 and 110, 110A, 110B, 120A, 120B, 220A, 220B. Not open to BMus students.

MUS 120A Units: 1.5 Hours: 3-1
History of Music: I
An introductory survey of music and musical values in society through humanistic, cultural, historical and musical-analytical perspectives. These issues will be explored in the context of music from Antiquity to circa 1580.
Note: Credit will be granted for only one of 120A, 110 or 110A, if 110 or 110A taken prior to the 2004 Winter Session.

MUS 120B Units: 1.5 Hours: 3-1
History of Music: II
The development of Western art music from circa 1580 to circa 1770.
Note: Credit will be granted for only one of 120B, 312, 110, 110A if 110 or 110A taken prior to the 2004 Winter Session.

MUS 140 Units: 2.0 Hours: 0-1
Individual Tuition
Lessons in instrument or voice.
Prerequisites: Evidence of marked musical ability demonstrated by audition.

MUS 141 Units: 1.0 Hours: 0-5
Individual Tuition in a Secondary Instrument or Voice
Lessons in a secondary instrument or voice for exceptional students.
141A - Strings
141B - Woodwinds
141C - Brasses
141D - Percussion
141E - Voice
141F - Keyboards
Note: May be taken more than once in the same or a different performance area for credit in 1.0 units per year to a maximum credit of 3.0 units. Available only with permission of the School.

MUS 142 Units: 1.5 Hours: 3-0
Lyric Diction
A study of the basic phonetics and accepted principles of lyric diction of the most commonly used languages in concert and operatic repertoire: Italian, French, German, English. Emphasis on performance.

MUS 170 Units: 1.0 Hours: 2-2
Basic Musicianship: I
Beginning sight-singing, dictation and corresponding keyboard skills.
Note: All components must be completed in order to pass the course.

Corequisites: 101A and 101B.

MUS 172 Units: 1.5 Hours: 1.5-0
Fundamentals of Collaborative Piano
Principles of ensemble playing for pianists. Basic skills in working with both instrumentalists and singers. Required for all first-year piano students. Piano students in the second through fourth years may also take this course (with the permission of the School and the instructor).

MUS 180 Units: 1.0 Hours: 0-4
Ensembles
Large Ensembles including University Orchestra, University Wind Symphony, University Chorus, Chamber Singers, Jazz Orchestra, and Jazz Ensemble.

MUS 181 Units: 1.0 Hours: 0-3
Chamber Music
Ensembles include the standard chamber groups as well as New Music Ensemble (Sonic Lab), Opera Ensemble, Brass Choir, Vocal Jazz Ensemble, Bone-henge and Accompanying.

MUS 188 Units: 1.0 Hours: 0-3
Philomela Women’s Choir
A large choral ensemble open to all university students including School of Music students.
Prerequisites: Placement audition with the instructor before the first class.

MUS 201A Units: 1.5 Hours: 3-0
Language of Music
The structural principles, harmonic and contrapuntal practices of tonal music of the 17th century explored through analysis and composition.
Prerequisites: 101B or permission of the School.

MUS 201B Units: 1.0 Hours: 3-0
Language of Music
A continuation of 201A. The structural principles, harmonic and contrapuntal practices of tonal music of the 19th century explored through analysis and composition.
Prerequisites: 201A or permission of the School.

MUS 204 Units: 2.0 Hours: 1-1
Music Composition For Non-Majors: I
Composition class for non-Majors.
Note: Attendance at the Master Class Seminar required.
Prerequisites: 105 or permission of the School.

MUS 205 Units: 3.0 Hours: 2-1
Music Composition: I
Individual and class lessons with members of the Music Composition faculty. Compositions for solo and small ensembles. Attendance required at Composition Master Class Seminar.
Note: For Music Composition Majors.
Prerequisites: Admittance to Music Composition Major.

MUS 207 Units: 1.5 Hours: 3-0
Music, Science and Computers
An investigation into the historical relationships among music, science and technology, leading to current possibilities in computers and music. The course will focus on the use of computers in music composition, synthesis and analysis of sound. Open to all students.
Note: No prerequisites, though some 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: 3-0
History of Music: III
The development of Western music from circa 1770 to circa 1880.
Note: Credit will be granted for only one of 220A, 313A, 313B, 110, 110B if 110 or 110A taken prior to the 2004 Winter Session.

MUS 220B Units: 1.5 Hours: 3-0
History of Music: IV
The development of Western music from circa 1880 to present.
Note: Credit will be granted for only one of 220B, 313A, 313B, 110, 110B if 110 or 110A taken prior to the 2004 Winter Session.

MUS 236 Units: 1.5 Hours: 1-1
Keyboard
Group instruction in piano. Students who already possess adequate keyboard skills are not permitted to register for this course.
Note: One or two terms: 2-2 or 1-1.

MUS 240 Units: 2.0 Hours: 0-1
Individual Tuition
Lessons in instrument or voice.

MUS 245 Units: 4.0 Hours: 1-1
Seminar in Performance
Individual tuition and weekly class including discussion and debate, performance, and techniques of ensemble performance.
Note: For Performance Majors only.
Prerequisites: Recommendation of the School.

MUS 270 Units: 1.0 Hours: 2-1
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: 1.0 Hours: 0-4
Ensembles
Large Ensembles including University Orchestra, University Wind Symphony, University Chorus,
MUS 289  Units: 1.0  Hours: 0-3  Chamber Music  Ensembles include the standard chamber groups as well as New Music Ensemble (Sonar Lab), Opera Ensemble, Brass Choir, Vocal Jazz Ensemble, Bone-henge and Accompanying.

MUS 301A  Units: 1.5  Hours: 3-0  Language of Music  Theory and practice of 20th century music: 1900-1945.  Prerequisites:  MUS 188.

MUS 302  Units: 1.5  Hours: 0-3  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 303  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 304  Units: 2.0  Hours: 1-1  Music Composition For Non-Majors: II  Composition class for non-Majors.  Prerequisites: 204 or 205 or permission of the School.

MUS 305  Units: 3.0  Hours: 2-1  Music Composition: II  Individual and class lessons with members of the Music Composition faculty. Compositions for solo, small and large ensembles.  Note: Attendance required at Master Class Seminar.  For Music Composition majors.  Prerequisites: 205 or permission of the School.

MUS 306  Units: 1.5  Hours: 2-4  Recording Techniques  Introduction to the theory and practice of recording and audio technology, including microphones, tape machines, mixers and other studio components. Also introduces the use of computers in modern studio recording and processing. Practical work includes recording sessions and work in a studio.  Prerequisites: Permission of the School.

MUS 307  Units: 1.5  Hours: 3-0  Introduction to Computer Music  Introduction to electroacoustic and computer music. Practical experience in a computer music studio, with synthesizers, samplers, MIDI, digital audio, and other computer music techniques.  Prerequisites: 306 and permission of the School.

MUS 308  Units: 1.5  Hours: 3-0  Popular Music and Society II  The topic of the course will vary in different years, and may include extensive studies of music for the cinema, folk music, rock music, the blues, or a specific performer or group.  Note: May be taken more than once for credit to a maximum of 3 units. Not for credit in the BMus program.

MUS 310  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 311  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.
### COURSE LISTINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 347B</td>
<td>1.5</td>
<td>1-3</td>
<td>Introduction to Improvisation</td>
</tr>
<tr>
<td>MUS 350A</td>
<td>1.5</td>
<td>3-0</td>
<td>Orchestration</td>
</tr>
<tr>
<td>MUS 350B</td>
<td>1.5</td>
<td>3-0</td>
<td>Orchestration</td>
</tr>
<tr>
<td>MUS 351</td>
<td>1.5</td>
<td>2-1</td>
<td>Jazz Arranging</td>
</tr>
<tr>
<td>MUS 356A</td>
<td>1.5</td>
<td>3-0</td>
<td>Basic Conducting</td>
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<tr>
<td>MUS 356B</td>
<td>1.5</td>
<td>3-0</td>
<td>Basic Conducting</td>
</tr>
<tr>
<td>MUS 360</td>
<td>1.5</td>
<td>1.5-0</td>
<td>Seminar in Chamber Music with Piano</td>
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<tr>
<td>MUS 361</td>
<td>1.5</td>
<td>1.5-0</td>
<td>Issues in Piano Pedagogy</td>
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<tr>
<td>MUS 362</td>
<td>1.5</td>
<td>2-0</td>
<td>Vocal Pedagogy</td>
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<tr>
<td>MUS 364</td>
<td>1.5</td>
<td>3-0</td>
<td>Song Literature</td>
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<tr>
<td>MUS 380</td>
<td>1.0</td>
<td>0-4</td>
<td>Orchestration</td>
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<tr>
<td>MUS 381</td>
<td>1.0</td>
<td>0-3</td>
<td>Chamber Music</td>
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<tr>
<td>MUS 388</td>
<td>1.0</td>
<td>0-3</td>
<td>Philomela Women’s Choir</td>
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<td>MUS 390</td>
<td>1.5</td>
<td>3-0</td>
<td>Special Studies</td>
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<tr>
<td>MUS 401A</td>
<td>1.5</td>
<td>3-0</td>
<td>Topics in Analysis</td>
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<td>MUS 401B</td>
<td>1.5</td>
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<td>Baroque Counterpoint</td>
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<td>MUS 401C</td>
<td>1.5</td>
<td>3-0</td>
<td>Acoustics of Music</td>
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<tr>
<td>MUS 401D</td>
<td>1.5</td>
<td>3-0</td>
<td>Jazz Theory</td>
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<tr>
<td>MUS 404</td>
<td>2.0</td>
<td>3-0</td>
<td>Music Composition for Non-Majors: III</td>
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<tr>
<td>MUS 405</td>
<td>3.0</td>
<td>2-1</td>
<td>Music Composition: III</td>
</tr>
<tr>
<td>MUS 406A</td>
<td>1.5</td>
<td>2-2</td>
<td>Advanced Recording Techniques</td>
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<tr>
<td>MUS 406B</td>
<td>1.5</td>
<td>0-3</td>
<td>Sound Recording Seminar</td>
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<td>MUS 407</td>
<td>3.0</td>
<td>0-3</td>
<td>Computer Music Seminar</td>
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<tr>
<td>MUS 421</td>
<td>1.5</td>
<td>2.5-0</td>
<td>Selected Topics in Music History</td>
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<tr>
<td>MUS 425</td>
<td>1.5</td>
<td>3-0</td>
<td>Jazz History</td>
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<tr>
<td>MUS 440</td>
<td>2.0</td>
<td>0-1</td>
<td>Individual Tuition</td>
</tr>
<tr>
<td>MUS 445</td>
<td>6.0</td>
<td>1-2</td>
<td>Seminar in Performance</td>
</tr>
<tr>
<td>MUS 447</td>
<td>1.5</td>
<td>3-0</td>
<td>Jazz Improvisation</td>
</tr>
</tbody>
</table>
World Music models. Work will include transcriptions and regular concert attendance.

**Prerequisites:** MUS 347 or 347A.

**MUS 448** Units: 1.0
Graduating Recital
Note: For Performance Majors only.
Prerequisites: 345.
Grading: INC, COM, N OR F.

**MUS 456A** Units: 1.5
Choral Conducting
Prerequisites: 356B or permission of the instructor.

**MUS 456B** Units: 1.5
Instrumental Conducting
Prerequisites: 356B or permission of the instructor.

**MUS 480** Units: 1.0
Ensembles
Prerequisites: MUS 388.

For Music History Majors only.

**NURS 325** Units: 1.5
Explorations of Nursing Knowledge and Practice
This introductory course focuses on socio-historical context and philosophical underpinnings informing nursing practice. Participants explore how they know about practice and how they enact their practice.

**NURS 341** 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.

**NURS 345** Units: 3.0
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.

**NURS 350** 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.

**NURS 351** Units: 1.5
Nursing Practice VI
This nursing practice experience provides opportunities to develop caring relationships with families, groups and communities and/or populations with an emphasis on health promotion and community empowerment. Participants have opportunities to work with a community on an identified health issue.

**NURS 352** Units: 1.5
Self and Others III: Reflection of Caring Practice
The focus of this course is for students to develop a conceptual and experiential understanding of relational caring practice. Opportunities are provided for students to become aware of the narratives, values, and intents influencing their relationships with clients and colleagues, and to enhance their capacity for relational caring practice.

**NURS 360** Units: 1.5
Professional Growth IV: Research
The intent of this course is to enhance participants’ ability to comprehend, critique, and utilize nursing research. Participants critically reflect on various research methodologies. Participants experience ways to critically examine their practice in relation to nursing research and to pose researchable questions to inform evidence-based practice.

**NURS 430** Units: 1.5
Professional Growth V: Nurses Influencing Change
This course explores ways nurses can influence and create change for the promotion of societal health. Emphasis is placed on selected strategies for enhancing nursing influence on the evolving Canadian health care system.

**NURS 431** 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.

**NURS 450** Units: 1.5
Nursing Leadership and Management
The intent of this course is to enhance participants’ understanding of the meaning of leadership and the tasks of management. Worldviews that influence perceptions of health care and health organizations, and current approaches to managing health care will be studied. Nursing leadership in establishing a climate in which quality of care and quality work environments can become a reality are emphasized in this course.

**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: 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. In a variety of settings, participants have opportunities to consolidate learning, and advance their clinical decision making. Nursing practice experiences consist of a six week preceptorship. Attendance at course workshops is required.

Prerequisites: NURS 360, 370, 430, 431.
Pre-or corequisites: NURS 470.
Grading: COM/F.

NURS 481A Units: 1.5
Gender Issues in Mental Health
The purpose of this course is to facilitate in-depth 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 professional perspectives are presented for ongoing examination and analysis in relation to their impact on and guidance for nursing practice. Central to this exploration is a growing understanding of the human experience of persons living their dying and/or ways 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 practice with persons living their dying in ways that uphold human dignity and honor 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.

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 behaviors 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 origin 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 class 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 3.0
Directed Studies
Directed readings, research projects or special studies in a specified area of interest. A proposal is developed in consultation with a faculty member and includes a plan for the evaluation of the student's work. The proposal must receive the approval of the Director or designate before students are permitted to register.

Note: Offered as resources permit.

NURS 491 Units: 4.5
Nursing Practice VIII: Transitions
The nursing practice experience provides opportunities for participants to consolidate their learning and explore the transition to professional nursing as a BSN graduate. Participants also explore transitions in the health care system and the workplace that affect nurses. Participants may develop their practice within a specific area, e.g., particular setting of practice, a certain client population, or a specific health challenge.

Prerequisites: NURS 470.
Pre-or corequisites: NURS 475.
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 health care 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 494 Units: 1.5
Nursing with Cancer Patients
This course begins from the premise that the person who is living with cancer is the expert in his or her own experience and life. As such, the person living with cancer is the point of departure from which all learning and nursing practice must take place. This approach to learning related to nursing the person with cancer represents a departure from conventional course structures in this field of study where often the expertise of the cancer care team is the central focus. This break with convention offers the student both the opportunity to grapple with the variety of human experiences in relation to cancer diagnosis and treatment as well as the challenge of exploring the operations of power that generate expert practices and how knowledge that maintains the centrality of the person can be brought to bear in practice.

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.
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, 200B.

PACI 270 Units: 1.5 Hours: 3-0
Ethical Issues in Contemporary Asian Societies
This course offers an introduction to contemporary moral issues in societies of selected areas of modern Asia. Emphasis will be on traditional religious traditions and worldviews in relation to current social and ethical problems. Asian developments will be situated in a wider global context.

PACI 280 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 on the historical/comparsive nature of the place to which 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 281 Units: 1.5 or 3.0 Hours: 3-0
Special Topics
An introduction to selected problems in Pacific Studies. The specific topics vary and are indicated by title each year.
Note: May be taken more than once for credit on different topics.

PACI 290 Units: 1.5 Hours: 3-0
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.
Pre- or corequisites: PACI 210 (or 200B).

PACI 319A Units: 1.5 Hours: 3-0
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 200B), 290.

PACI 319B Units: 1.5 Hours: 3-0
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 200B), 290, 319A.

PACI 321A Units: 1.5 Hours: 3-0
Social Structure and Social Change in Japan
This course will concentrate upon the transformation of Japanese society from the early 19th century up 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 200B), 290.

PACI 321B Units: 1.5 Hours: 3-0
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 200B), 290.

PACI 323A Units: 1.5 Hours: 3-0
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 200B), 290.

PACI 323B Units: 1.5 Hours: 3-0
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 200B), 290, 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 200B), 290.

PACI 383 Units: 1.5 Hours: 3-0
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 1879, and provide an essential basis for appreciation of the transformation of China since 1949.
Note: Credit will be granted for only one of PACI 383, GEOG 384, GEOG 383, GEOG 464A.
Prerequisites: PACI 210 (or 200B), or 4.5 units of 100- or 200-level Geography.

PACI 411 Units: 1.5 Hours: 3-0
Seminar on Indonesia
An analysis of the history and politics of 20th century Indonesia. Topics may vary from year to year. Consult Instructor.
Prerequisites: PACI 210 (or 200B), 290, 323A, 323B, or permission of the instructor.

PACI 412 Units: 1.5 Hours: 3-0
Seminar in Southeast Asian Studies
A detailed analysis of socio-economic problems in Southeast Asia. Extensive class participation including presentation of seminar papers will be required. Details of topics to be covered can be obtained from the Instructor prior to registration.
Prerequisites: PACI 210 (or 200B), 290, 323A and 323B.

PACI 413 Units: 1.5 Hours: 3-0
Topics in Australasia and/or Pacific Island Studies
An intensive study of selected major issues and topics in Australasia and/or the Pacific Islands. Students
**COURSE LISTINGS**

should consult the Program Adviser for details of the topics to be covered.

**Prerequisites:** PACI 210 (or 200B), 290, 328A or 328B, or permission of the instructor.

**PACI 414**  
Units: 1.5  
**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 for specific topics.  
**Prerequisites:** PACI 210 (or 200B), 290, 328A or 328B, or permission of the instructor.

**PACI 416**  
Units: 1.5  
**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 200B), 290.

**PACI 417**  
Units: 1.5  
**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 200B), 290, 319A, 319B.

**PACI 420**  
Units: 1.5  
**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 200B), 290, 319A and 319B.

**PACI 422**  
Units: 1.5  
**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 200B), 290, 321A and 321B.

**PACI 440**  
Units: 1.5  
**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 200B), 290, 321A and 321B.

**PACI 442**  
Units: 1.5  
**Geography of Chinatowns and Chinese Migration**  
The study of urban overseas Chinese communities in Pacific Rim countries. Includes migration theory, concepts of culture conflict, 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 Canadian Chinatowns.  
**Note:** Credit will be granted for only one of 442, GEOG 442.  
**Prerequisites:** Third-year standing in Pacific and Asian Studies, or one of GEOG 340, 340A, 340B, 343 or 363.

**PACI 443**  
Units: 1.5  
**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 200B), 290, and fourth-year standing.

**PACI 481**  
Units: 1.5 or 3.0  
**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 200B), 290, 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  
**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  
**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 or 390.

**PACI 490B**  
Units: 1.5  
**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 paper must be approved by a member of the department acting as research adviser.  
**Note:** Credit will be granted for only one of 490B, 490.

**PE**

**Physical Education**

**School of Physical Education**

**Faculty of Education**

Courses offered by the Faculty of Education are also found under the following course codes: AE, ED-D, ED-P, EDCI, IA, IET, ME, PE.  
* The following courses, PE 104-135, are intended for students pursuing degrees in physical education (BEd. BA and BSc). They are designed to develop each participant’s level of performance, ability to analyze skills, and understanding of strategies or concepts within the particular activity. Maximum Credit for PE 104-135 courses in degree programs offered by the Faculty of Education is specified in section 6.2. Students in Physical Education programs are expected to complete most of the required PE 104-135 courses in the first two years.

**PE 104**  
Units: 0.5  
**Hours: 2-0**  
**Special Activity**  
**Note:** With special permission, may be taken more than once for credit in a degree program.
PE 142 Units: 1.5 Hours: 3-0
Human Wellness and Potential
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 Units: 1.5 Hours: 3-0
Scientific, Philosophic, Historical and Psycho-Sociological Bases of Physical Activity
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 biomechanics are discussed. Students gain an understanding of the historical, philosophical and psycho-sociological foundations of physical education and discuss a wide range of contemporary issues as they affect physical activity and active living.

PE 155 Units: 1.5 Hours: 3-0
Introduction to Nutrition: Concepts and Controversies
The basics of diet planning, dietary guidelines and weight management will be covered through the application and demonstration of nutritional principles and their relationship to health. Controversial topics such as ergogenic aids, vitamin and mineral supplementation, alcohol, diets and organic foods will be discussed using a scientific and/or traditionally-based perspective. This introductory course is suitable for students with personal and/or professional interest in nutrition.

PE 241A Units: 1.5 Hours: 3-2
Introduction to Human Cellular Physiology
The study of the molecular and cellular functions in humans with an emphasis on homeostasis, cellular transport, protein synthesis, energy metabolism, cellular control, and blood as a tissue.

PE 241B Units: 1.5 Hours: 3-2
Introduction to Human Systemic Physiology
The study of the integrated functions of physiological systems with an emphasis on the nervous, endocrine, muscular, cardiovascular and respiratory systems.

PE 244 Units: 1.5 Hours: 3-0
Canadian Recreation Delivery Systems
An overview of the development and delivery of recreational programs in Canada. Canadian federal, provincial, municipal, private and volunteer agencies are described and analyzed.

PE 245 Units: 1.5 Hours: 3-2
Motor Learning
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.

Note: Credit will be granted for only one of 246, 144.

PE 252 Units: 1.5 Hours: 3-0
Leadership Methods for Recreation and Health Education
Theoretical and practical introduction to leadership, teaching, communication, and decision making skills in recreation/leisure services, sport, and fitness. Field experience is required as part of this course.

PE 270 Units: 1.5 Hours: 3-0
Foundations of Outdoor Recreation
Exploration of the outdoor environment as a venue for leisure and educational experiences. Leadership roles in environmental protection, influence on participant behaviour and quality of experience are examined. Other topics include survey and investigation of theoretical and common definitions of outdoor recreation, outdoor education and interpretation; delivery systems, populations and special interest groups; planning; environmental ethics, safety, and health; ecotourism.

Note: This course does not include an experiential component.

PE 290 Units: 1.5 Hours: 3-0
Formerly: part of PE 304
Physical Education for General Classroom Teachers: A
This course assists generalist teachers plan and implement physical education programs for the elementary grades. Students will develop the knowledge and pedagogical skills necessary to help children incorporate physical activity as part of a healthy lifestyle. Overall focus will be on the learning of movement skills and on the developing child as a learner. A variety of teaching experiences with elementary school-age children will be included.

Note: Credit will be granted for only one of 310, 247, 304, or EDUC 304.

Prerequisites: Acceptance in the Bachelor of Education Elementary Education program.

PE 310 Units: 1.5 Hours: 3-0
Formerly: part of PE 304
Physical Education for General Classroom Teachers: B
This course will help students extend and refine the knowledge and pedagogical skills included in PE 310. Overall focus will be on broadening their application to a variety of different movement categories in the elementary physical education curriculum. Students will learn to create inclusive unit and yearly plans that encourage children to incorporate physical activity as part of a healthy lifestyle. A variety of teaching experiences with elementary school-age children will be included.

Note: Credit will be granted for only one of 311, 247, 304, or EDUC 304.

Prerequisites: PE 310 and acceptance in the Bachelor of Education Elementary Education program.

PE 343

Note: This course provides an overview of the content and structure of the BC elementary physical education curriculum. Students will be introduced to basic pedagogical skills necessary to implement a quality physical education program. Focus will be on the learning of movement skills and on the developing child as a
**COURSE LISTINGS**

**PE 341**
**Units:** 1.5  
**Hours:** 3-2  
**Biomechanics**

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.

**Prerequisites:**

**Note:** Credit will be granted for only one of 312, 247, 304, 310, 311, or EDUC 304.

**PE 342**
**Units:** 1.5  
**Hours:** 3-0  
**History of Physical Education**

Interpretative study and analysis of physical education and sport through their historical development; current trends, social and cultural implications; relationship to education.

**Units:**

**PE 344**
**Units:** 1.5  
**Hours:** 2-1  
**Care and Prevention of Athletic Injuries**

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 crises procedures, and basic taping and strapping techniques. This course also includes a 40-hour practical experience with a local sport team.

**Prerequisites:** 141 and 241B or equivalent.

**PE 346**
**Units:** 1.5  
**Hours:** 3-0  
**Motor Development and Physical Maturation**

An overview of motor development and maturation from the neonate to adulthood and old age. Special attention will be given to the growth and motor development characteristics of children and adolescents.

**Note:** No prerequisite required but a background in anatomy is recommended.

**PE 347**
**Units:** 1.5  
**Hours:** 3-0  
**Sport in Society**

This course studies the historical use of sport as an expression of culture, ideology, and political philosophy. The course examines 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.

**Units:**

**PE 348**
**Units:** 1.5  
**Hours:** 3-2  
**Psychology of Sport**

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.

**PE 351**
**Units:** 1.5  
**Hours:** 3-0  
**Community and Population Health**

This course is designed to build on students’ knowledge of individual wellness and lifestyle behaviours by exploring the concepts of community and population health. Topics will include: the evolution of health promotion and population health; the determinants of health; epidemiology of health behaviours; understanding and enhancing the health of children, youth, adults, seniors; and, principles of ecology and environmental health.

**PE 352**
**Units:** 1.5  
**Hours:** 3-0  
**Instructional Techniques in Individual Activities Secondary**

Methods of teaching individual activities to secondary school and related groups. Field experience may be required as part of this course.

**Note:** Reserved for B.Ed. secondary students in the physical education teaching area.

**PE 354A**
**Units:** 1.5  
**Hours:** 3-0  
**Administration in Leisure and Health Related Services: I**

A review of general administrative and organizational theories with particular reference to their application in leisure and health related service agencies. Topics include the nature of administration, structure of organizations, policy making, human resource development, change management, meetings, strategic planning and the advancement of partnerships.

**Prerequisites:** Completion or in progress of COOP 001 or RHED 001 or KINE 001.

**PE 354B**
**Units:** 1.5  
**Hours:** 3-0  
**Administration in Leisure and Health Related Services: II**

This course takes a detailed look at the budgeting process, financial control, goal setting, risk management and legal liability in leisure and related service agencies. Although PE 354A is not a prerequisite, PE 354B is best taken in conjunction with PE 354A.

**Prerequisites:** Completion of COOP 001 or RHED 001 or KINE 001.

**PE 355**
**Units:** 1.5  
**Hours:** 3-0  
**Functional Anatomy**

The study of neural and musculoskeletal structures with focus on functional applications. Emphasis will be placed on the relationship between human movement, and the anatomical organization and stability of the extremities and trunk. Some application to causes and prevention of activity-related musculoskeletal disorders (injury and/or disease related), and exercise prescription for rehabilitation will also be included.

**Prerequisites:** 241B.

**PE 356**
**Units:** 1.5  
**Hours:** 3-0  
**Principles of Facility Administration**

Study of the concepts and processes of management as they apply to leisure service, recreation, fitness and health facilities. Emphasis on problem-solving techniques used by administrators and managers in the planning, designing, controlling, financing, renovating and maintaining of such facilities.

**PE 357**
**Units:** 1.5  
**Hours:** 3-0  
**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 interpretation of literature and analytical procedures used in research.

**PE 360**
**Units:** 1.5  
**Hours:** 3-2  
**Exercise Prescription**

Principles of fitness and the development of exercise programs to enhance health and/or performance of children, adults and special populations including athletes, the elderly and disabled; application of programs in a variety of settings; methods of evaluating physiological adaptation to exercise using laboratory and field experiences.

**Prerequisites:** PE 141 and PE 241B or equivalents.

**PE 361**
**Units:** 1.5  
**Hours:** 3-3  
**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: INP; letter grade.

**PE 380**
**Units:** 1.5  
**Hours:** 3-2  
**Formerly: 442**

**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 435**
**Units:** 1.5  
**Hours:** 3-0  
**Formerly: EDUC 435**

**Cultural and Outdoor Physical Activity**

This course will provide the opportunity for students to develop an understanding and appreciation for a variety of outdoor physical activities and cultural movement forms suitable for elementary school children. Movement forms will be drawn primarily from the alternative-environment, dance, and games movement categories in the Physical Education K-7 Integrated Resource Package. A school-based experience may be included.

**Note:** Credit will be granted for only one of 435, EDUC 435.

**Prerequisites:** EDIC 450.

**PE 439**
**Units:** 1.5  
**Hours:** 3-0  
**Formerly: EDUC 445**

**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.

**Note:** Credit will be granted for only one of 439, EDUC 445.

**Prerequisites:** EDIC 460.

**PE 441**
**Units:** 1.5  
**Hours:** 3-2  
**Exercise Physiology**

The physiological adaptation of the human body to acute and chronic exercise; nutrition for exercise and recovery.

**Prerequisites:** 241A and 245.

**PE 443**
**Units:** 1.5  
**Hours:** 3-0  
**Organization and Administration of Physical Education**

Nature and function of administration; management of equipment and facilities; organization and management of programs of physical education and athletics; survey of the organization in Canadian schools.

**PE 444**
**Units:** 1.5  
**Hours:** 3-2  
**Measurement and Evaluation in Physical Education**

Use of laboratory and field tests in the assessment of physical performance and physique. Test administration and interpretation of results.

**Note:** A background in physiology recommended.
COURSE LISTINGS

PE 445
Units: 1.5
Hours: 3-0
Developmental and Adaptive Physical Activity
This course examines physical education and recreation 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
Units: 1.5
Hours: 2-0-2
Kinesiology Seminar and Practicum
A seminar addressing topics pertinent to the Kinesiology field. The practicum will involve aspects of program planning and, where possible, direct leadership responsibilities.
Prerequisites: 253.

PE 449
Units: 1.5
Hours: 3-0
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
Units: 1.5
Hours: 3-0
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 management models in the not-for-profit, public and private enterprise systems.

PE 452
Units: 1.5
Hours: 3-0
Teaching Strategies for Games in Physical Education
Methods of teaching game activities to students in secondary schools and related groups. Field experience is required as part of this course.
Note: Reserved for B.Ed. Secondary students in the Physical Education teaching area.

PE 454
Units: 1.5
Hours: 2-0
Formerly: 454A and B
Marketing for Social Change
The study and application of social marketing concepts and strategies to address the problems and challenges facing the recreation profession and provide a synthesis for the graduating student.
Note: Credit will not be granted for 454 and 454A, 454B.
Prerequisites: Completion of at least 2 co-operative work terms; COOP 001 and RHED 001 or RHED 001 and RHED 002 or RHED 001 and RHED 002 INP

PE 455
Units: 1.5
Hours: 3-0
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: 155 and 241B.

PE 456
Units: 1.5
Hours: 3-0
Occupational Ergonomics
The application of ergonomic principles to industrial settings, work site job analysis, assessing biomechanical risk factors and the development of risk prevention programs. Specific emphasis will be placed on understanding the relevant Canadian occupational health and safety legislation and ergonomic standards.

Prerequisites: 241B, 341 and 380.

PE 461
Units: 0.5
Hours: 2-0
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 Education as a teaching area must register in one of the areas listed below at 0.5 units each.
461A - Badminton
461B - Basketball
461C - Dance
461D - Field Hockey
461E - Gymnastics
461F - Rugby
461G - Soccer
461J - Swimming
461K - Tennis
461L - Track and Field
461M - Volleyball
Note: Not every area will be offered each year.
Prerequisites: Credit in the related 100-level course.

PE 470
Units: 1.5
Hours: 2-2
Outdoor Recreation Advanced
Examination of outdoor recreation skills as a teaching medium; focus on professional outdoor recreation leadership skills, knowledge and techniques.

PE 487
Units: 1.5 or 3.0
Hours: 3-0
Formerly: ED-C 487
Special Topics in Physical Education
Topics of current interest or concern to groups of students.
Note: May be taken more than once for credit on a degree program with permission of the Education Advising Centre.

PE 494
Units: 1.5
Formerly: ED-C 494
Directed Studies - Physical Education
Research projects, directed reading, or additional course work in a specified area.
Note: All students must obtain written approval from the Education Advising Centre before registering. Permission will not normally be given for more than 3 units of directed studies.

PE 499
Units: 3.0
Honours Thesis or Tutorial
Research under the direction of faculty for Honours students only.
Grading: INP, letter grade.

Professional Studies

PE 764
Units: 1.5
Hours: 3-0
Formerly: ED-C 764
Curriculum and Instruction in Secondary Physical Education
Note: Credit will be granted for only one of 764, ED-C 764. Open to students who have completed the prescribed teaching area or who are admitted to the professional year or Post Degree Professional Program, or who have special permission of the Director, Secondary Teacher Education.

PHIL
Philosophy
Department of Philosophy
Faculty of Humanities
Courses in the 100 series are broader in scope than those in the 200 series, but neither type should present any difficulty for the beginner. Both types are recommended for students in any program, whether they plan to continue in Philosophy or not, and may be taken in any year; e.g. courses in the 200 series may be taken in the first as well as in later years. Other courses in Philosophy may be taken by satisfying the listed prerequisites or with permission of the instructor.

PHIL 100
Units: 3.0
Hours: 3-0
Introduction to Philosophy
An introduction to central works in the history of Western philosophy, with a principal goal of fostering the capacity to think logically and critically. Questions will include: Does God exist? Is knowledge possible? Do human beings 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.

PHIL 203
Units: 1.5
Hours: 3-0
Applied Logic: II
The course is designed to teach students to generate deductively valid arguments and to detect invalid arguments. Correct inference rules for sentential arguments and quantificational arguments are identified and treated from a purely syntactical point of view. A rigorous treatment of the semantic theory for sentential logic and quantification logic is also presented.
Note: 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 201. 304 is recommended for science students.

PHIL 204
Units: 1.5
Hours: 3-0
Formerly: one half of 287
Eastern Philosophy: The Chinese Tradition
An introductory study of major philosophical texts in the Chinese tradition. An effort will be made to illustrate the methods of philosophizing characteristic of the philosophers discussed.
Note: Credit will be granted for only one of 204, 287.

PHIL 205
Units: 1.5
Hours: 3-0
Formerly: one half of 287
Eastern Philosophy: The Indian Tradition
An introductory study of major philosophical texts in the Indian tradition. An effort will be made to illustrate the methods of philosophizing characteristic of the philosophers discussed.
Note: Credit will be granted for only one of 205, 287.
PHIL 206  Units: 1.5  Hours: 3-0  
Eastern Philosophy: The Japanese Tradition  
An introductory survey of major philosophical texts in the Japanese tradition. Shinto, Chan and Zen Buddhist perspectives on metaphysics, epistemology, ethics and aesthetics are addressed. Japanese philosophy is contrasted with the Western tradition.

PHIL 208  Units: 1.5  Hours: 3-0  
Introduction to Arabic Philosophy  
An introduction to the fertile period of philosophy that followed directly upon the late ancient Greek philosophy. An overview of the way in which the Arabs inherited the ancient legacy and a problem-oriented approach to the thought of such major Muslim thinkers as Farabi, Avicenna, Ghazali, and Averroes. Arab philosophy compared with medieval Latin and later European philosophy.

PHIL 209  Units: 1.5  Hours: 3-0 or 2-0-1  
Philosophy and First Nations Thought  
An inquiry into the nature and scope of First Nations wisdoms. Examines relations between First Nations thought and Western philosophy.

PHIL 211  Units: 1.5  Hours: 3-0  
Introduction to Existentialism  
An introduction to the theories and method of existentialism. The course will survey the writings of a number of existentialists. Questions such as the following will be addressed: Can the individual realize an authentic form of existence in a technological society dedicated to the ideals of comfort, efficiency, and security? Why have existentialists been so vehemently attacked and how have they responded? The figures and works chosen may vary from year to year.

PHIL 220  Units: 1.5  Hours: 3-0  
Introduction to Philosophy of Science  
This course will introduce both the epistemological and ethical issues concerning science as a method of gaining knowledge about the world. Epistemological issues may include the distinction between science and non-science, the logic of explanation, and the logic of confirmation. Ethical issues may include the ethics of experimentation with humans, animals, or the environment; the social consequences of scientific knowledge or technology; and the community control of research.  
Note: Credit will be granted for only one of 220, 222A, 222B.

PHIL 223  Units: 1.5  Hours: 3-0  
Philosophy of the Social Sciences  
A philosophical examination of the social sciences. Questions to be addressed include: Are the social sciences sciences? If so, how do the social sciences differ from the natural sciences and from the humanities? Is history a social science? Can human beings be comprehended scientifically? Are social sciences descriptive or evaluative? Is objectivity possible in history and the social sciences?

PHIL 232  Units: 1.5  Hours: 3-0  
Moral Problems of Contemporary Society  
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  Units: 1.5  Hours: 3-0  
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  Units: 1.5, formerly 3  Hours: 3-0  
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  Units: 1.5  Hours: 3-0  
Philosophy and Feminism  
An introduction to philosophical issues raised in and by feminist thought. Topics may include: the influence of feminist perspectives on the framing and study of philosophical problems; an examination of concepts, issues, and arguments underlying feminist claims; liberal feminism; Marxist feminism; radical feminism; feminism and race; an examination of current issues such as gender essentialism, pornography, mothering, and reproductive rights from a feminist perspective.  
Note: Consult annual Departmental Handbook for details in any given year.

PHIL 240  Units: 1.5  Hours: 3-0  
Philosophy of Art  
An introduction to philosophy of art. Questions to be addressed include: What is art? What makes art valuable? How is art to be evaluated? Is the value of art relative to audiences? Is art a source of knowledge? What moral issues arise in connection with the arts?  
Note: Credit will be granted for only one of 240, 242.

PHIL 250  Units: 1.5  Hours: 3-0  
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, scepticism, causality, possibility and necessity, universals, realism, space and time.  
Prerequisites: 100.

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 neurophysiological 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 381/GRS 379 and GRS 380 are both recommended as background for the course.  
Prerequisites: 6 units of Philosophy, including 100, or permission of the department.

PHIL 303  Units: 1.5  Hours: 3-0  
Formerly: 422  
Aristotle  
A study of one or more of the philosophical writings of Aristotle.  
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 381/GRS 379 and GRS 380 are both recommended as background for the course.  
Prerequisites: 6 units of Philosophy, including 100, or permission of the department.

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 quantificational logic, relating the syntactic theories and the semantic theories, developed. Topics include consistency, compactness, soundness, completeness, and interpolation.  
Prerequisites: Philosophy 304A or permission of the department.

PHIL 305  Units: 3.0  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 department.

PHIL 306  Units: 1.5  Hours: 3-0  
The Rationalists  
Studies in depth the so-called "continental rationalists". Examines the positions of representative fig-
ures, and relates them to each other. Emphasis the rationalists' preoccupation with a priori necessary truths and the principle of sufficient reason vis-à-vis their theories of perception and knowledge.

**Prerequisites:** 4.5 units of Philosophy.

**PHIL 308** Units: 1.5 Hours: 3-0
Formerly: one half of 310

**The Empiricists**
Studies the major writings of Locke, Berkeley and Hume, with emphasis on metaphysics and epistemology.

**Note:** Credit will be granted for only one of 308, 310.

**Prerequisites:** 4.5 units of Philosophy or permission of the department.

**PHIL 309** Units: 1.5 Hours: 3-0
Formerly: one half of 310

**Kant**
Studies Kant's epistemology and metaphysics, principally as presented in *The Critique of Pure Reason.*

**Note:** Credit will be granted for only one of 309, 310.

**Prerequisites:** PHIL 308.

**PHIL 311** Units: 1.5 Hours: 3-0

**Existentialist 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 department.

**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.

**Prerequisites:** Second-year standing or professional qualification in Health Care e.g. RN, MD.

**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

**Philosophy and Technology**
An inquiry into technology, its values and relevance to the human condition. What are the conceptual implications of the technological order? Some topics discussed: the distinction between tools and technology; technological development and values; engineering ethics and technology transfer; technology, interpersonal relationships, and alienation; technological domination of nature; art and technology; comparative examination of different philosophies of technology; appropriate technology; mastery of design of technology practices.

**Prerequisites:** Third-year standing, or permission of the department.

**PHIL 333** Units: 1.5 Hours: 3-0
Also: ES 314

**Philosophy and the Environment**
A philosophical investigation of the moral and conceptual dimensions of environmental problems. Different philosophies of the relation between humans and nature will be compared.

**PHIL 355** Units: 3.0 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 department.

**PHIL 356** 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 department.

**PHIL 357** 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 department.

**PHIL 362** Units: 1.5 Hours: 3-0
Formerly: 342A

**Minds and Machines**
The philosophical problems associated with the question of whether or not one can build a machine which thinks, reasons, learns from experience, understands language, is creative, feels pain, or has emotions. Topics may include mechanical analogues of life processes; the debate over mechanisms, organismism, and vitalism; mechanical self reproduction and evolution; free will and unpredictability.

**Note:** Credit will be granted for only one of 362, 342A.

**Prerequisites:** 3 units selected from Biology, Computer Science, Philosophy or Psychology; or permission of the department.

**PHIL 381** Units: 1.5 Hours: 3-0
Also: GRS 379
Formerly: PHIL 379 (CLAS 379)

**Early Greek Thought**
An examination of early Greek thought as embodied in Hesiod and Presocratics such as Parmenides, Heraclitus, Anaxagoras, and Democritus. These figures may be considered in the context of historical and literary writings of their society (e.g., works by Aeschylus, Herodotus, Thucydides). Issues may include: distinctions among myth, science and philosophy; notions of law, morality, and causality; the influence of early Greek thought on later thinkers.

**Note:** Credit will be granted for only one of 381, 379, GRS 379, CLAS 379.

**Prerequisites:** Third or fourth-year standing or permission of the department.

**PHIL 383** Units: 1.5 Hours: 3-0
Also: GRS 380
Formerly: CLAS 380

**The Life and Times of Socrates**
An examination of a critical moment in Greek intellectual and political life, as seen from various points of view. Topics include: Socrates’ trial and its background, the rise of the Socratic conception of philosophy and its relation to the methods of the

**PHIL 390** Units: 1.5-3.0 Hours: 3-0

**Topics in Philosophy**
Investigations of a selected philosophical topic.

**Note:** May be taken more than once for credit in different topics.

**Prerequisites:** 6 units of Philosophy, or permission of the department.

**PHIL 391** Units: 1.5 or 3.0 Hours: 3-0
Formerly: 348

**Directed Studies in Philosophy**
Under the supervision of a faculty member and with the approval of the Chair of the department.

**Note:** Credit will be granted for only one of 391, 348 if 348 taken under the same topic. May be taken more than once for credit in different topics.

**Prerequisites:** 6 units of Philosophy, or permission of the department.

**PHIL 403** Units: 1.5 Hours: 3-0

**Philosophical Logic**
The primary objective is to determine the philosophical limitations of classical logic. By classical logic is meant bivalent first order quantification theory, together with the usual extensions of it adequate for identity theory and normal number theory. Among the questions that may be raised are: Is there satisfactory philosophical motivation for quantum logic or for many-valued logic generally? Does a good theory of reference counsel the rejection of bivalence? Does classical first order logic inhibit a philosophical understanding of existence, identity and predication?

**Prerequisites:** 201/203 or 304 or former 202, or MATH 332 or 333, and an additional 3 units of Philosophy, or permission of the department.

**PHIL 420** Units: 1.5 Hours: 3-0
Formerly: 320

**Advanced Topics in Philosophy of Science**
This course deals (at a more advanced level than in 220) with the methodology, epistemology, and ontology of science. Topics may include the logic of explanation, the logic of confirmation, the rationality of theory acceptance, the rationality of scientific revolutions, the unity of science, or the reality of theoretical entities.

**Note:** Credit will be granted for only one of 420, 222A, 320.

**Prerequisites:** 220 or permission of the department.

**PHIL 430** Units: 1.5 Hours: 3-0

**Contemporary Ethics**
An investigation of contemporary debates in ethical theory, including issues in normative ethics and metaethics.

**Prerequisites:** 9 units of Philosophy, or permission of the department.

**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.

**Prerequisites:** 331 or permission of the department.

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**2007-08 UVIC CALENDAR**

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 383, GRS 380, CLAS 380.

**Prerequisites:** Third or fourth-year standing or permission of the department.
COURSE LISTINGS

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.
Prerequisites: 12 units of Philosophy, including at least one of 236 or 335, or permission of the department.

PHIL 434 Units: 1.5 Hours: 3-0
Technology and Environment
An inquiry into the nature of technology and its moral implications for human and non-human environments. Questions to be addressed include: What is technology? Are humans 'essentially technological'? What factors have given rise to the perceived domination of the non-human environment by human technology? Figures studied may include: Diderot, Eliul, Ursula Franklin, George Grant, Heidegger, and Naege.
Prerequisites: 9 units of Philosophy, or permission of the department.

PHIL 440 Units: 1.5 Hours: 3-0
Seminar in Aesthetics
Advanced seminar in philosophy of art.
Prerequisites: 9 units of Philosophy, including 240 or permission of the department.

PHIL 450 Units: 1.5 Hours: 3-0
Formerly: 432
Metaphysics
An inquiry into some of the more general distinctions upon which our notion of reality depends. Topics will include: substance, quality and relation, existence, and quant.
Note: Credit will be granted for only one of 450, 432.
Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 451 Units: 1.5 Hours: 3-0
Formerly: 416
Philosophy of Knowledge
An advanced philosophical investigation of human knowledge and its relation to reality.
Note: Credit will be granted for only one of 451, 416.
Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 452 Units: 1.5 Hours: 3-0
Formerly: 418
Theory of Perception
A study of philosophical issues that pertain both to the psychology of perception and the theory of knowledge. The respective merits of realist, representationalist and phenomenalist theories of perception will come under examination.
Note: Credit will be granted for only one of 453, 418.
Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 460 Units: 1.5 Hours: 3-0
Formerly: 414
Philosophy of Mind
The focus of this course will be contemporary metaphysics, epistemology and methodology in the philosophy of mind.
Note: Credit will be granted for only one of 460, 414.
Prerequisites: 260 or 362 (formerly 342A) or permission of the department.

PHIL 461 Units: 1.5, formerly 3 Hours: 3-0
Formerly: part of 334
Philosophy of Language I
A study of the foundations of philosophy of language. Questions to be addressed include: What is meaning? And What is reference? Authors to be studied may include Frege, Russell, Wittgenstein, and Quine.
Note: Credit will be granted for only one of 461, 334.
Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 462 Units: 1.5, formerly 3 Hours: 3-0
Formerly: part of 334
Philosophy of Language II
A study of contemporary issues in philosophy of language. Theories of truth will be emphasized. Authors to be studied may include Davidson, Dummett, Kripke, Putnam, and Tarski.
Note: Credit will be granted for only one of 462, 334.
Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 465 Units: 1.5 or 3.0 Hours: 3-0
Advanced Topics in Philosophy
Advanced investigations of a selected philosophical topic.
Note: May be taken more than once for credit in different topics.
Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 470 Units: 1.5 or 3.0 Hours: 3-0
Formerly: 448
Directed Studies in Philosophical Topics
Under the supervision of a faculty member and with the approval of the Chair of the department.
Note: Credit will be granted for only one of 491, 448 if 448 taken under the same topic. May be taken more than once for credit in different topics.
Prerequisites: 9 units of Philosophy or permission of the department.

PHIL 498 Units: 1.5 Hours: 3-0
Philosophy Honours Seminar
Students will write, and present to a seminar of their peers, a substantial, original essay on a topic of their own choosing. Research into contemporary published work on the topic will form an essential part of the essay. Grades will be based on the written essay, its presentation in the seminar, and participation in the seminar presentations of the other students.
Prerequisites: Honours standing in fourth year.

PHYS 112 Units: 3.0 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 of study in 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.
- 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: 9 units of Philosophy or permission of the department.

PHYS 120 Units: 1.5 Hours: 3-3
Mechanics I
Kinematics, particle dynamics, vectors, curvilinear motion, non-inertial systems, momentum, energy, torque, static equilibrium, centre of mass, rotational kinematics. 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.

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.

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 214 Units: 1.5 Hours: 2-4
An Introduction to Laboratory Electronics
Introduction to standard laboratory equipment including a survey of linear circuits, digital electronics and non-linear devices such as diodes, transistors and operational amplifiers.
Prerequisites: Any one of 102, 112, 120, or 122; MATH 100 or 101.

PHYS 215 Units: 1.5 Hours: 3-3
Introductory Quantum Physics
Introduction to topics in quantum physics.
Pre- or corequisites: PHYS 220; MATH 200 and 201.

PHYS 216 Units: 1.5 Hours: 3-3
Introductory Electricity and Magnetism
Electric and magnetic fields, Gauss' law, electric potential, capacitance, dielectrics, current and resistance, resistivity, magnetic inductance. Faraday's law of induction, Ampere's law, energy stored in electric and magnetic fields.
Note: Credit will be granted for only one of 216, ELEC 216.
Prerequisites: 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, elementary rigid body dynamics, torque, rolling motion, angular momentum, harmonic oscillator, gravity and central force motion, basics of fluid mechanics, mechanical waves.
Prerequisites: Any one of 112, 120, or 122.
Pre- or corequisites: MATH 101.

PHYS 290 Units: 1.0-3.0
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 or 334, 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 or 334, 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.
Prerequisites: 220.
Pre- or corequisites: MATH 330A or 334, 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 or 438, and 326.

PHYS 323 Units: 1.5 Hours: 3-0
Formerly: part of 413A
Quantum Mechanics: I
Introduction to quantum mechanics, historical review, postulates, development of the theory, and applications.
Note: Credit will be granted for only one of 323, 413A.
Prerequisites: 215 and 216.
Pre- or corequisites: MATH 330A or 334, and 323 or 325.

PHYS 325 Units: 1.5 Hours: 3-3
Optics
Reflection and refraction at plane and spherical surfaces, thin lenses, lens aberrations, optical instruments, interference, diffraction, polarization.
Prerequisites: 326 or equivalent; MATH 200 and 201.

PHYS 326 Units: 1.5 Hours: 3-1
Electricity and Magnetism
Properties of electromagnetic fields using vector calculus, displacement current, Maxwell's equations, plane electromagnetic waves with applications, transmission lines, and transients in LRC circuits.
Prerequisites: 216.
Pre- or corequisites: MATH 330A or 334, and 323 or 325.

PHYS 410 Units: 1.5 Hours: 3-0
Topics in Mathematical Physics: I
Mathematical methods applied to solving physical problems. Topics include: Finite dimensional and complex linear spaces; dimensional analysis; theory of distributions and applications to Fourier transforms and Green's functions; variation and perturbation methods; nonlinear differential equations.
Prerequisites: 220; MATH 233A, 330B or 438, and 326.
COURSE LISTINGS

PHYS 427 Units: 1.5 Hours: 3-0
Also: EOS 427
Geophysics
Note: Credit will be granted for only one of 427 and EOS 427. Offered in Spring of odd-numbered years, e.g. January 2007.
Prerequisites: 220, 326.

PHYS 428 Units: 1.5 Hours: 3-0
Introductory Solid State Physics
An account of the central aspects of the physics of solids including crystal structure and symmetry, thermal, electrical, magnetic, elastic, and optical properties of solids.
Note: Offered in Spring of odd-numbered years, e.g. January 2007.
Prerequisites: 323 and 326; MATH 330B or 438, and 326.

PHYS 429A Units: 1.5 Hours: 0-3
Honours Laboratory
Introduction to research, with several research-oriented experiments and with instruction on experimental techniques and theory of measurement.
Note: Normally open only to fourth year Honours students, others by permission of the department.

PHYS 429B Units: 1.5 Hours: 0-3
Honours Project
A research project conducted under the direction of faculty.
Note: Normally open only to fourth year Honours students, others by permission of the department.
Pre- or corequisites: 429A.

PHYS 431 Units: 1.5 Hours: 3-0
Continuum Mechanics
Tensor calculus with the properties of a continuum are developed, leading to a study of wave propagation in elastic media with application to seismology. The course concludes with a brief introduction to the basic equations of fluid mechanics.
Note: Offered in Spring of even-numbered years, e.g. January 2008.
Prerequisites: 220; MATH 330B or 438, and 326.

PHYS 432 Units: 1.5 Hours: 3-0
Medical Physics
Introduction to medical physics: production and measurement of x-rays and charged particles for nuclear medicine, interaction of radiation with biological materials, radiation dosimetry, radiation safety, physics of medical imaging, magnetic resonance imaging.
Prerequisites: 313 or 314.

PHYS 460 Units: 0 Hours: 2-0
Physics Seminar
Talks by Faculty and outside speakers.
Grading: COM, N or F.

PHYS 490 Units: 1.0-3.0
Directed Studies
Note: Students must obtain the consent of the department before registering.

POLI 101 Units: 1.5 Hours: 3-0-1
Formerly: half of 100
Canadian Politics
An introduction to the social bases of Canadian politics focusing on the distribution and exercise of political power. Topics include: regionalism, Quebec nationalism, and economic inequality; political parties, voting, interest groups and the mass media; the policy process.
Note: Credit will be granted for only one of 101, 100, 470.

POLI 102 Units: 1.5 Hours: 3-0-1
Formerly: half of 100
Canadian Government
An introduction to the Canadian system of government; the constitutional framework; parliamentary and federal political structures; institutional change and major constitutional developments and debates.
Note: Credit will be granted for only one of 102, 100, 470.

POLI 202 Units: 1.5 Hours: 3-0-1
An Introduction to Political Theory
This course will focus on more topics in contemporary political theory such as the nature of democracy, the role of ideology, or the functions of the state. Different analyses will be compared, and students will be introduced to various models and techniques of theoretical inquiry.

POLI 210 Units: 1.5 Hours: 3-0-1
Comparative Politics
An introduction to the comparative study of politics and the basic structures and processes of modern political systems, including an examination of selected foreign governments.

POLI 211 Units: 1.5 Hours: 3-0-1
European Integration and the European Union
An introduction to the study of the European integration process and the basic structures and processes of the European Union, including an examination of selected policies.

POLI 300A Units: 1.5 Hours: 3-0-1
Formerly: 301
Ancient and Medieval Political Thought
An introduction to the study and practice of international politics. Topics covered include the historical evolution of the international system, the major analytical approaches to the study of international politics, state and non-state actors, and the contemporary issues in the areas of security and political economy.

POLI 300B Units: 1.5 Hours: 3-0-1
Formerly: half of 300
Early Modern Political Thought
An examination of basic texts and persistent themes in Western political thought from the Renaissance to the Enlightenment, including study of texts by such key thinkers as Machiavelli, Hobbes, Locke, Hume, and Kant.
Note: Credit will be granted for only one of 300A, 301, 300 if 300 taken prior to 1982-83.

POLI 300C Units: 1.5 Hours: 3-0-1
Formerly: half of 300
Post-Enlightenment Political Thought
An examination of basic texts and persistent themes in Western political thought from the Enlightenment to the late 19th century, including study of texts by such key thinkers as Rousseau, Hegel, Marx and J.S. Mill.
Note: Credit will be granted for only one of 300C, 300.
Prerequisites: 300A or 300B is recommended.

POLI 305 Units: 1.5 Hours: 3-0
Diversity, Pluralism, Difference in Politics
Examines the challenges that cultural and national diversity pose to liberal democracy. The analytical focus will be on both the normative desirability of recognizing cultural or national differences and on the political and legal ramifications of granting group and minority rights.

POLI 306 Units: 1.5 Hours: 3-0
Introduction to Marxism
An overview of the thought of Karl Marx and Frederick Engels, focusing on its philosophical origins, key concepts and ideas of their historical materialism, critique of political economy, political theory and philosophy. The development of Marxism after Marx and Engels, particularly in the tradition of Western Marxism, will be traced in the case of each concept and idea.
Note: Credit will be granted for only one of 306, 406.

POLI 311 Units: 1.5, formerly 3 Hours: 3-0
Governments and Politics in Europe
Historical backgrounds to, institutional framework for, and players involved in, political conflict in European countries. Consideration will be given to contemporary policy issues and the process of European integration.

POLI 313A Units: 1.5 Hours: 3-0-1
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, North and South Korea, and Taiwan, with special attention to state formation, political reform, institutions, and ideology.
Note: 317 is recommended.

POLI 319 Units: 1.5 Hours: 3-0
Issues in Comparative Politics
An analysis of contemporary issues in comparative politics.
Note: May be taken more than once for credit in different topics with permission of the Chair.

POLI 320 Units: 1.5 Hours: 3-0
Formerly: 320A and 320B
The Canadian Constitution
An analysis of the Canadian Constitutional framework, including the Constitution acts of 1867 and 1982, the shaping of the federal system and the impact on Canadian society of the Charter of Rights and Freedoms.
Note: Credit will not be granted for 320 and 320A, 320B.

POLI 323 Units: 1.5 Hours: 3-0
Issues in Politics
A lecture class in selected contemporary political issues.
Note: May be taken more than once for credit in different topics with permission of the Chair.

POLI 322 Units: 1.5 Hours: 3-0
Formerly: 332B
Urban Politics
An analysis of urban social movements, the politics of planning and development, and the political economy of cities in the era of globalization.
Note: Credit will be granted for only one of 332, 332B, 450.

POLI 333 Units: 1.5 Hours: 3-0
Representation and Electoral Systems
A cross-national review of the design of electoral systems, their determinants and components, and quantitative analysis of their consequences for political representation. The primary focus will be on Western democracies.

POLI 334 Units: 1.5 Hours: 3-0
Culture(s), Knowledge and Power
The role of cultural practices and identities, ideologies, and claims to knowledge in the legitimation of authority and violence.

POLI 335 Units: 1.5 Hours: 3-0
Gender and Politics
An introduction to key debates about the relation between gender and politics in the Western political tradition. 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 changes in the organization of the state will be considered in relation to earlier developments. The focus will be on North America and Western Europe, and particular attention will be given to the problematic relation between disciplinary governments, social movements and local communities.

Note: Credit will be granted for only one of 336, 404.

POLI 338 Units: 1.5 Hours: 3-0
Approaches to Political Analysis (Seminar Course)
An examination of the ways in which political analysts generalize about politics. 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 empirical research methods used in political science, focusing on the practical application of qualitative and quantitative methods. Includes the operationalization and measurement of variables; case studies and comparative case studies; interview research; univariate and bivariate statistics; sampling and surveys; and regression.
Note: Credit will be granted for only one of 339, 337. Required for Honours students, preferably in their third year; recommended for students considering graduate studies in Political Science or Public Administration.

POLI 340 Units: 1.5, formerly 3 Hours: 3-0
International Studies
The historical development of the modern states system with reference to its changing social, economic, and political environments, and to related theoretical developments.

POLI 343 Units: 1.5 Hours: 3-0
International Organization
The nature and function of international and regional governmental and non-governmental organizations.

POLI 344 Units: 1.5, formerly 3 Hours: 3-0
International Political Economy
The politics of international economic relations in trade, investment, finance and macroeconomic policies from a variety of theoretical perspectives.

POLI 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
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 these 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 357 Units: 1.5 Hours: 3-0
Formerly: 457
Canadian Environmental Politics
An examination of political factors shaping development and implementation of Canadian environmental policy.
Note: Credit will be granted for only one of 357, 457.

POLI 360 Units: 1.5 Hours: 3-0
Canadian Federalism and Public Policy
An examination of the constitutional, political, social, economic, and cultural bases of Canadian federalism, the dynamics of contemporary intergovernmental relations, and the impact of the federal system on public policy.

POLI 361 Units: 1.5 Hours: 3-0
Parties and Pressure Groups in Canada
An examination of political parties, pressure groups, and theories of representation in the Canadian context, with emphasis on the development, structure and ideologies of the major parties.

POLI 363 Units: 1.5 Hours: 3-0
Aboriginal Politics and Self-Government
An examination of various political issues affecting the peoples of Canada’s First Nations with particular attention to land claims, self-government and the political organization of Canada’s indigenous peoples. Relevant comparisons with other countries and international perspectives will also be included.

POLI 364 Units: 1.5 Hours: 3-0
Canadian Public Policy
An analysis of the Canadian policy-making process, using case studies to examine alternative theoretical perspectives.

POLI 365 Units: 1.5 Hours: 3-0
British Columbia Political Economy
An examination of the political and economic development of the province, its political orientations and social cleavages, and party system.

POLI 366 Units: 1.5 Hours: 3-0
Canadian Political Economy
An advanced introduction to the distinctive debates and problems of Canadian Political Economy, in historical analysis and in contemporary policy concerns. Topics covered include state formation and the role of the state; staples; capital and class analyses; theories of economic development, trade, and dependence; gender, aboriginal, and anti-racist analyses; and political ecology.
### COURSE LISTINGS

#### POLI 369  
**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.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 371  
**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.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 375  
**Gender Politics in China**  
This course adopts a multidisciplinary approach to gender dynamics in China. Specifically, it helps students appreciate and understand the politics of representation of Chinese women over time and space; the change in Chinese women’s roles and status amidst modern socioeconomic development; and the recent emergence of women’s NGOs in the context of China’s transition to a market economy and the growth of a UN-based international women’s movement.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 376  
**Politics in India**  
An exploration of the major themes in the political and economic development of independent India, including the fate of the Nehruvian development model, the contemporary crisis of the state and secularism, the transition to globalization, and the politics of caste, class and gender.  
*Formerly:* 419  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 377  
**Comparative Environmental Politics**  
Comparative analysis of different nations’ responses to environmental problems such as climate change and biodiversity loss, including examination of the development and implementation of international environmental agreements.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 378  
**Comparative Federalism**  
Examines a variety of developed and developing federations with a view to improving our understanding of the relationship between formal federal arrangements and their underlying political communities. The factors affecting the governance, administration and policy performance of federations will be examined. The broad objective is to use comparative experience to improve our understanding of Canadian federalism.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 379  
**Topics in Contemporary European Politics**  
Analysis of contemporary issues in European politics in comparative perspective, with a strong emphasis on the European Union and the process of European integration.  
*Note:* May be taken more than once for credit in different topics with permission of the Chair.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 401  
**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.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 402  
**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.  
*Units:* 1.5  
*Formerly:* 302  
*Hours:* 3-0

#### POLI 412  
**Migration, Nationalism and Identity in Asia**  
Migration has greatly complicated and unsettled the post-WWII associations between people, places, and identity. The seemingly simple question, “Who is Chinese?” or, “Who is Japanese?” is fraught with nuance and complexity. This course aims to help students critically analyze the complex political, economic, and cultural dynamics of migration, nationalism, and identity in Asia.  
*Note:* Credit will be granted for only one of 412 and 433 if 433 taken under the topic “Nationalism, Migration and Identity in Asia”.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 413  
**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.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 414  
**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.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 420  
**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.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 430  
**Media, Technology and Politics**  
A critical examination of the impact of new electronic technologies of communication upon contemporary politics. Focusing on changing 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.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 431  
**Comparative Political Analysis (Seminar Course)**  
Critical perspectives on the politics of advanced industrial societies with a focus on examining state-society relations. Topics include the fate of social democracy, political parties, social movements, structures of class, race and gender and their evolution in a changing political economy.  
*Units:* 1.5, formerly 3  
*Hours:* 3-0  
*Formerly:* 459

#### POLI 432  
**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.  
*Units:* 1.5 or 3.0  
*Hours:* 3-0

#### POLI 433  
**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.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 442  
**International Law (Seminar Course)**  
Introduction to the theory, practice and political foundations of international law.  
*Note:* Credit will be granted for only one of 442, 342.  
*Prerequisites:* 343 or permission of the instructor.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 444  
**Globalization, Autonomy, and Cooperation (Seminar Course)**  
Problems of national economic policy and international economic co-operation in the contemporary context of internationally-mobile capital, extensive trade in goods and services, and transnational production structures. Attention to multilateral institutions and regional institutions such as NAFTA and the European Union.  
*Prerequisites:* 344 or permission of the instructor.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 445  
**The Politics of Information (Seminar Course)**  
A comparative analysis of the theoretical and policy issues surrounding the collection, treatment and disclosure of government information. Topics include: surveillance, privacy, access to information, press freedom and censorship.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 448  
**Topics in Environmental Politics (Seminar Course)**  
An examination of political factors shaping responses to selected global environmental issues.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 461  
**Contemporary Challenges to the Canadian State (Seminar Course)**  
An analysis of political, social, cultural, economic and technological forces which may profoundly alter the structure of the Canadian state, including supranational trade pacts, the Québec sovereigntist program, aboriginal claims to sovereign forms of self-government, and new populist instruments of governance.  
*Units:* 1.5  
*Hours:* 3-0

#### POLI 465  
**British Columbia Governance**  
An examination of the political institutions and public policy processes of provincial government in British Columbia.  
*Units:* 1.5, formerly 3  
*Hours:* 3-0

#### POLI 490  
**Directed Reading**  
Directed reading and/or research for Honours students under the supervision of an available faculty member may be offered to meet special
circumstances. No more than 3 units of directed reading may be applied toward degree requirements and, except with the approval of the department, such units will not be applied toward the distribution requirement.

**Note:** Not open to Majors except with special permission of the department. This course is generally not offered in Summer Studies.

**POLI 499**

**Units:** 3.0  
**Hours:** 3-0  

**Honours Seminar and Essay**

Students will prepare an in-depth examination of a selected topic in Political Science, working closely with a faculty supervisor. The seminar will meet on occasion in fall and spring terms for student presentations of essay proposals and work in progress. The essay should be approximately 15,000 words, must conform to acceptable standards of style and format, and must be submitted before the end of second term classes. An oral presentation and defence of the final essay will be scheduled during exam period in April.

**Prerequisites:** Admission to Political Science Honours program; and 338, 339, and fourth-year standing, or permission of the honours advisor.

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**PORT**

**Portuguese Department of Hispanic and Italian Studies**

**Faculty of Humanities**

**PORT 300**

**Units:** 1.5  
**Hours:** 3-0  

**Reading Portuguese**

Designed for the attainment of reading proficiency in Portuguese. Basic Portuguese grammar taught in conjunction with texts of progressive complexity.

**Prerequisites:** Completion of two years of a second language.

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**PSYC**

**Psychology Department of Psychology Faculty of Social Sciences**

**PSYC 100A**

**Units:** 1.5  
**Hours:** 3-0  

**Formerly:** half of 100  

**Introductory Psychology: Biological and Cognitive Emphasis**

An introduction to concepts, theories and research findings of modern psychology. Topics include psychological research methods, brain processes, perception, consciousness, cognition, and learning.

**Note:** Credit will be granted for only one of 100A, 100B. A minimum grade of C+ is required for the Major or Honours program.

**PSYC 100B**

**Units:** 1.5  
**Hours:** 3-0  

**Formerly:** half of 100  

**Introductory Psychology: Social and Applied Emphasis**

An introduction to concepts, theories and research findings of modern psychology. Topics include psychological development, personality, health psychology, psychological disorders, psychological therapies, and social behaviour.

**Note:** Credit will be granted for only one of 100B, 100F. A minimum grade of C+ is required for the Major or Honours program.

**PSYC 201**

**Units:** 1.5  
**Hours:** 3-1  

**Formerly:** half of 200  

**Research Methods in Psychology**

Introduction to basic research techniques in psychology; emphasis on the conceptual rather than the statistical rationale underlying various research strategies. Areas include the nature of variables, types of measurement, how to generate and test hypotheses, types of validity, and how to interpret and report results. Laboratory exercises and class demonstrations on the processes involved in conducting empirical research.

**Note:** Credit will be granted for only one of 201, 200. See Note 1, page 208.

**Prerequisites:** 100A and 100B, with a minimum GPA of 3.0 for both.

**PSYC 202**

**Units:** 1.5  
**Hours:** 3-0  

**Applied Research Methods in Psychology**

An introduction to research methods often used for psychological studies outside the lab. These include field experiments and quasi-experiments; correlational studies; surveys; sampling and questionnaires; descriptive and qualitative methods; case studies and single-case designs.

**Prerequisites:** 100A and 100B with a minimum grade of C+ in each; 201 with a minimum grade of C.

**PSYC 210**

**Units:** 1.5, formerly 3  
**Hours:** 3-0  

**Conceptual Foundations of Psychology**

Provides students with the background necessary to facilitate a full appreciation of upper-level courses. Current problems in psychology will be examined with reference to outstanding past and present persons and issues.

**Note:** See Note 1, page 208.

**Pre- or corequisites:** 100A and 100B.

**PSYC 215A**

**Units:** 1.5  
**Hours:** 3-0  

**Formerly:** half of 230  

**Introduction to Biological Psychology**

This course will deal with basic concepts of brain function in relation to behaviour. Topics will include basic aspects of neuronal functions, neuroanatomy, and behavioural genetics, as well as the functioning of the nervous system in relation to sensation, motor output, and at least one other aspect of behaviour.

**Note:** Credit will be granted for only one of 215A, 230. See Note 1, page 208.

**Prerequisites:** 100A and 100B, or second-year standing and 1.5 units of BIOL (or PE 141, 241A or 241B)

**PSYC 300A**

**Units:** 1.5  
**Hours:** 3-1  

**Formerly:** half of 300  

**Statistical Methods in Psychology**

Brief review of research methodology; univariate description, bivariate description, and an introduction to probability and inferential statistics as applied in Psychology. Introduction to microcomputer software and computer based analyses of the statistical procedures covered in the course.

**Note:** Credit will be granted for only one of 300A, 300. See Notes 1 and 2, page 208, and “Credit Limit - Introductory Statistics Courses,” page 32.

**Prerequisites:** MATH 12 or 120 (or equivalent course in algebra); completion of core requirement for Introductory Statistics Courses,” page 32.

**COURSE LISTINGS**

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**2007-08 UVIC CALENDAR**

**Note:** Credit will be granted for only one of 300B, 300. See Notes 1 and 2, page 208, and “Credit Limit - Introductory Statistics Courses,” page 32.

**Prerequisites:** A minimum grade of C in 300A; completion of core requirements for Psychology Majors and Honours, or declaration of Major or Honours program in Linguistics (BSc).

**PSYC 311B**

**Units:** 1.5  
**Hours:** 3-0  

**Formerly:** half of 311  

**Conditioning and Learning: Behavioural Emphasis**

An analysis of the acquisition, maintenance and modification of behaviour in terms of observational environmental determinants. Respondent and operant conditioning; positive and negative reinforcement; extinction; shaping; reinforcement schedules; generalization and discrimination; escape and avoidance; punishment. Review of basic animal research; training to apply behavioural principles to understand everyday human behaviour.

**Note:** Credit will be granted for only one of 311B, 311.

**Prerequisites:** 100A, 100B, and either 201 or third-year standing, or permission.

**PSYC 313**

**Units:** 1.5  
**Hours:** 3-0  

**Formerly:** 313A 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 either 201 or third-year standing.

**PSYC 315**

**Units:** 1.5, formerly 3  
**Hours:** 3-0  

**Formerly:** half of 315  

**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.
COURSE LISTINGS

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 behaviours 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; basis and principles of polygraph measurement; physiological correlates of attention and cognitive activity; the role of physiological activity in emotion; physiological effects of stress; biofeedback and meditation; and lie detection.
Note: Credit will be granted for only one of 324, 424.
Prerequisites: 100A, 100B 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-practitioner 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 cognitive processes, personality and social processes, sources of stress, psychopathology, and death.
Note: Credit will be granted for only one of 339, 333B.
Prerequisites: 100A and 100B; and either 311B or permission of the instructor.

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 and third or fourth-year standing.

PSYC 341 Units: 1.5 Hours: 3-0
Formerly: 441 Women and Psychology
Examines social-historical changes in psychological theories and research concerning girls and women. Major theorists including Freud, Thompson, Erickson, Chodorow, Gilligan, Baker-Miller and others are studied in the context of cultural norms for women that existed when these authors were writing. Considers the implications of women's changing roles for research in developmental and clinical psychology and for the treatment of women's mental health concerns. Examines current directions of research and practice in the psychology of women's development.
Note: Credit will be granted for only one of 341, 441, 441C
Prerequisites: 100A and 100B, and either 201 or third-year standing.

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 organismic, mechanistic, contextual, and humanistic approaches. Methods appropriate for the study of psychological change are discussed.
Note: Credit will be granted for only one of 342, 235.
Prerequisites: 100A, 100B, 201 and 210.

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.

PSYC 350 Units: 1.5, formerly 3 Hours: 3-1 Environmental Psychology
Human interaction with the physical environment from a psychological perspective. Topics include environmental perception, cognition, and assessment; personality and environment; the dynamics of social space; the effects of temperature, sound, light and spatial arrangements in neighbourhoods, homes, schools and workplaces; mutual influences of individuals and the natural environment, the design of buildings, and resource management.
Prerequisites: 201 or registration in Environmental Studies.

PSYC 360 Units: 1.5 Hours: 3-0
Formerly: half of 430 Psychological Disorders of Adulthood
Examines theory and research related to an understanding of psychological disorders of adulthood. Topics include mood and anxiety related disorders, personality disorders, substance abuse and dependence, schizophrenia and other psychotic disorders, and cognitively based disorders. Topics will be discussed in terms of biological, learning, developmental, humanistic, and cross-cultural perspectives.
Note: Credit will be granted for only one of 360, 430.
Prerequisites: 100A, 100B and 215A.

PSYC 441 Units: 3-0
Formerly: 441 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 and 215A.

Pre- or corequisites: Recommended: 361 or volunteer experience with a community agency.
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 at 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.

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.
Pre- or corequisites: 330, 360 or 430.

PSYC 366 Units: 1.5 Hours: 3-0
Formerly: 436
Psychological Disorders of Childhood and Adolescence
A detailed study of theoretical and research approaches to the understanding of developmentally-related disorders of childhood and adolescence. Emphasis will be on etiology, description and treatment of these disorders which are in specific developmental “stages,” although other disorders which frequently occur during childhood/adolescence will also be considered.
Note: Credit will be granted for only one of 366, 436.
Pre- or corequisites: Recommended: Course in developmental or child psychology and 361 or volunteer experience with a community agency.

PSYC 370A Units: 1.5 Hours: 3-0
Also: LING 370A
Formerly: 370
Psycholinguistics
Offered in collaboration with the department of Linguistics. A course in the psychology of language, examining the process of comprehension and production, including language and cognition, conversational discourse, and inference and semantics, among other topics.
Note: Credit will be granted for only one of 370A, 370, LING 370, LING 370A.
Pre- or corequisites: 100A, 100B; and either 201 or third-year standing.

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.
Pre- or corequisites: 100A, 100B; or permission of the instructor.

PSYC 380 Units: 1.5 Hours: 3-0
Psychology and Law
Consideration of the contributions of psychological theory and research to the understanding of crime investigation, courtroom dynamics, and the legal system. Specific topics will vary from year to year but may include eyewitness testimony, police practices, judge and jury decision making, lie detection and confessions, expert testimony. Topics will be discussed from the perspectives of social and cognitive psychology.
Pre- or corequisites: 100A, 100B, and 201

PSYC 390 Units: 1.5 or 3.0
Independent Study in Psychology
Directed independent study intended primarily to allow students and a faculty supervisor to pursue a topic of mutual interest. Complete pro forma arrangements must be made with an instructor in the department before registering.
Notes: - May be taken more than once for credit in different topics.
- The maximum credit for 390 and 490 together must not exceed 6.0 units unless permission of the Chair of the department is obtained.
Pre- or corequisites: 100A, 100B, 201, third-year standing and a minimum GPA of 5.50 in the last 15 units attempted.

PSYC 391 Units: 1.5 Hours: 3-0
Special Topics in Psychology
Intensive examination of a specific topic or area in Psychology. Topic(s) and information will be provided in advance of registration. May be taken twice on different topics.
Pre- or corequisites: 100A, 100B, 201 and third-year standing.

PSYC 400A Units: 1.5 Hours: 3-0
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.
Pre- or corequisites: 100A, 100B, 300B and permission of the instructor.

PSYC 401 Units: 1.5 Hours: 3-0
Measurement of Psychological Processes
The measurement of individual differences, especially personality and ability traits. The focus will be on reliability and validity - how do we know whether, and to what degree, a psychological measure is reliable and valid? Topics include designs for estimating reliability and validity, advanced correlation, and current problems and issues in the field.
Note: The course does not teach how to give psychological tests.
Pre- or corequisites: 100A, 100B, a minimum grade of C in both 201 and 300A and permission of the instructor.

PSYC 412A Units: 1.5 Hours: 3-0
Behaviour Analysis: Complex Behaviour
Interpretative analyses of complex human behaviour from a behaviour-analytical perspective. Topics may include attending, thinking, remembering, and verbal behaviour.
Note: Credit will be granted for only one of 412A, 312.
Pre- or corequisites: 100A and 100B and one of 338 or permission of instructor.

PSYC 412B Units: 1.5 Hours: 3-0
Behaviour Analysis: Applied Research
Survey and critical evaluation of recent research in applied behaviour analysis. Topics may include applications to children, developmental disabilities, community sports, business, and substance abuse.
Pre- or corequisites: 100A and 100B and either 338 or permission of instructor.

PSYC 412C Units: 1.5 Hours: 3-0
Behaviour Analysis: Basic Research
Survey of recent research in the experimental analysis of behaviour. Focus is on complex human behaviour. Topics may include stimulus equivalence, verbal behaviour, rule-governed behaviour, fluency, problem solving, and novelty.
Pre- or corequisites: 100A and 100B and either 311B or permission of instructor.

PSYC 413A Units: 1.5 Hours: 3-0
Memory
Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of human memory. Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.
Pre- or corequisites: 100A, 100B and 313.

PSYC 413B Units: 1.5 Hours: 3-0
Consciousness
Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of consciousness. Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.
Pre- or corequisites: 100A, 100B and 313.

PSYC 413C Units: 1.5 Hours: 3-0
Vision
Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of human vision. Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.
Pre- or corequisites: 100A, 100B and 313.

PSYC 413D Units: 1.5 Hours: 3-0
Cognitive Control
Detailed analysis of selected issues in the cognitive psychology and/or cognitive neuroscience of cognitive control (i.e., how people regulate their attention, thoughts, and actions in accord with their goals). Assigned readings will be drawn primarily from the primary research literature, with an emphasis on areas of inquiry in which the instructor has particular expertise and interest.
Pre- or corequisites: 100A, 100B and 313.

PSYC 415A Units: 1.5 Hours: 3-0
Formerly: 415
Human Neuropsychology
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.
### PSYC 415B
**Units:** 1.5  
**Hours:** 3-0  
**Formerly:** 423  
**Biological Psychology**  
Intensive, 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 415A, 415.  
**Prerequisites:** 100A, 100B and 315.

### PSYC 415C
**Units:** 1.5  
**Hours:** 3-0  
**Face-to-face Interaction**  
Intensive examination of human communication in face-to-face dialogue. Topics will be drawn from the realm of theory and research concerning communication within interpersonal relationships.  
**Prerequisites:** 100A, 100B and 331.

### PSYC 431D
**Units:** 1.5  
**Hours:** 3-0  
**Social Psychology: Face-to-face Interaction**  
Intensive examination of human communication in face-to-face dialogue. Topics will be drawn from the realm of theory and research concerning communication within interpersonal relationships.  
**Prerequisites:** 100A, 100B and 331.

### PSYC 431E
**Units:** 1.5  
**Hours:** 3-0  
**Social Psychology: Environmental Psychology**  
An in-depth analysis of how people's thoughts, feelings, and interactions influence and are influenced by the built and natural environment.  
**Prerequisites:** 100A, 100B and 350.

### PSYC 435A
**Units:** 1.5  
**Hours:** 3-0  
**Infant Development**  
Intensive examination of specific processes in infant development. Possible topics will include social-emotional and cognitive development, parenting and attachment, perception, motor development, neurological development.  
**Prerequisites:** 100A, 100B, and 340.

### PSYC 435B
**Units:** 1.5  
**Hours:** 3-0  
**Child and Adolescent Social and Personality Development**  
Intensive examination of specific processes in child and adolescent cognitive development. Possible topics will include decision making, reasoning, neurophysiological changes, memory, language, learning problems, problem solving.  
**Prerequisites:** 100A, 100B, and 340.

### PSYC 435C
**Units:** 1.5  
**Hours:** 3-0  
**Child and Adolescent Cognitive Development**  
Intensive examination of specific processes in child and adolescent cognitive development. Possible topics will include decision making, reasoning, neurophysiological changes, memory, language, learning problems, problem solving.  
**Prerequisites:** 100A, 100B, and 340.

### PSYC 435D
**Units:** 1.5  
**Hours:** 3-0  
**Adult Social and Personality Development**  
Intensive examination of specific processes in adult social and personality development. Possible topics will include personality traits, identity, goals and motives, emotions, social interaction, beliefs and values, successful aging, compensatory mechanisms, cultural context.  
**Prerequisites:** 100A, 100B, 201 and one of the 300-level developmental courses 335, 336, 339, or 342.

### PSYC 435E
**Units:** 1.5  
**Hours:** 3-0  
**Adult Cognitive Development**  
Intensive examination of specific processes in adult cognitive development. Possible topics will include neurological changes, memory, attention, intelligence, expertise, problem solving, wisdom, dementia.  
**Prerequisites:** 100A, 100B, 201 and one of the 300-level developmental courses 335, 336, 339, 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 3.0  
**Advanced Independent Study in Psychology**  
Directed independent study for the advanced student intended primarily to allow students and a faculty supervisor to pursue a topic of mutual interest. Complete pro forma arrangements must be made with an instructor in the department before registering.  
**Note:** 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 3.50 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 submit a term paper. May be taken twice on different topics.  
**Prerequisites:** Dependent on topic being offered.

### PSYC 499
**Units:** 3.0  
**Hours:** 1-2-1  
**Honours Thesis and Seminar**  
Students will attend a weekly seminar which includes oral presentation of their proposed thesis research in the first term and a progress report of the research in the second term. For the remainder of the program, the students will work closely with a faculty supervisor regarding details of the written thesis which is submitted in April.  
**Prerequisites:** Admission to the Honours Program.

### PSYCH 501
**Units:** 3.0  
**Hours:** 1-2-1  
**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 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.
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
Ooral 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 261
Units: 1.5
Hours: 3-0
Stalinism: Society and Culture (in English)
A survey of social processes and cultural life in the Soviet Union under Stalin (1922-1953), this course combines a historical study of Stalinism with an introduction to the literature, films, and visual art of the period.

RUSS 300A
Units: 1.5
Hours: 3-0
Formerly: first half of 302
Advanced Russian I
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, 300B, 302.
Prerequisites: 200A and 200B or 203, or permission of the department.

RUSS 304A
Units: 1.5
Hours: 3-0
Formerly: part of 304
Cinema in the Soviet and Post-Soviet Periods: I
A survey of selected films including early cinema classics and subsequent productions that illustrate cultural movements and political changes leading to the major transition from Communist ideology to glasnost and perestroika in 1987.
Note: Credit will be granted for only one of 304A, 304.
No knowledge of Russian required.

RUSS 304B
Units: 1.5
Hours: 3-0
Formerly: part of 304
Cinema in the Soviet and Post-Soviet Periods: II
With continuous reference to successful examples of pre-glasnost film-making from the early 1900s to the present time, a survey of films that have emerged from the post-1991 Commonwealth of Independent States.
Note: Credit will be granted for only one of 304B, 304.
No knowledge of Russian required.

RUSS 308A
Units: 1.5
Hours: 3-0
Formerly: part of 308
Russian Literature of the 19th Century: the Age of Ideas
A survey of Russian literature from its beginnings to 1917. This is a required course for Russian major students to be taken in their third or fourth year and in the same winter session as 308B.
Note: Credit will be granted for only one of 308A, 308.
No knowledge of Russian required.

RUSS 308B
Units: 1.5
Hours: 3-0
Formerly: part of 308
Russian Literature of the 20th Century: Art on Trial
A survey of Russian literature from 1917 to the present. This is a required course for Russian major students to be taken in their third or fourth year and in the same winter session as 308A.
Note: Credit will be granted for only one of 308B, 308.
No knowledge of Russian required.

RUSS 310
Units: 1.5
Hours: 3-0
Formerly: part of 414
Tolstoy
The major works of Tolstoy will be studied against the background of his life and times.
Note: Credit will be granted for only one of 310, 412, 413, 414. No knowledge of Russian required.

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, or SLAV 334, if taken with that same topic. No knowledge of Russian required.

RUSS 312
Units: 1.5
Hours: 3-0
Chekhov
The major works of Chekhov will be studied against the background of his life and times.
Note: No knowledge of Russian required.
RUSS 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; Tolsky, The Kreutzer Sonata; Chernyshevsky, What is to be Done?; Bulgakov, The Master and Margarita; Nabokov, Lolita; and Eisenstein, Ivan the Terrible.
Note: No knowledge of Russian required.

SCIENCE
Faculty of Science

SCIE 190  Units: 1.5
Individual Study
Granted only by special permission of the Dean of Science, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

SCIE 290  Units: 1.5
Individual Study
Granted only by special permission of the Dean of Science, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

SCIE 390  Units: 1.5
Individual Study
Granted only by special permission of the Dean of Science, on recommendation of the department and only in situations involving extenuating circumstances, illness, accident or family affliction.

SEA
Department of Pacific and Asian Studies

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 200A  Units: 1.5  Hours: 3-1
Formerly: half of 200
Intermediate Indonesian-Malay I
A continuation of SEA 100B for students who wish to improve their skills in Indonesian-Malay. More complex patterns of conversation, writing, and reading materials are introduced, beginning with everyday topics and continuing on to more challenging themes. Includes advanced grammar and use of simple newspaper materials to stimulate students’ ability to read and discuss a variety of topics.
Note: Credit will be granted for only one of 200A, 200. Limited to 25 students per section.

Prerequisites: A minimum grade of B in 100B or permission of the instructor.

SEA 200B  Units: 1.5  Hours: 3-1
Formerly: half of 200
Intermediate Indonesian-Malay II
Continues the focus of 200A with increasingly advanced readings, schema exercises to facilitate vocabularian building, and longer written assignments. Emphasis on speaking, reading, writing, and listening prepares students for immersion experiences and advanced language work.
Note: Credit will be granted for only one of 200B, 200. Limited to 25 students per section.
Prerequisites: 200A 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 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: 3.0  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, urban-rural 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, surrealistic, magic realist, and 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
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 481  Units: 1.5 or 3.0
Formerly: 480
Special Topics
May be offered as a reading course, a tutorial or a seminar in Southeast Asian language, literature or culture. Consult appropriate members of the department concerning selection of topics.
Note: May be taken more than once for credit in different topics to a maximum of 6 units.
Prerequisites: 200 or equivalent, 201A and 201B (or 201), 302A and 302B (or 302 or 202) or permission of the instructor.

SENG
Software Engineering

SENG 130  Units: 1.5  Hours: 3-1
Engineering Software Systems
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 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 templates, file system navigation, scripting languages, software configuration management tools, software tools, environments, and instrumenting and profiling.

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.

Pre- or corequisites: 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: 3-3
Requirements Engineering and Formal Specifications
Combines a range of topics integral to the analysis of requirements, design, implementation, and testing of a medium-scale software system with the practical experience of implementing such a project as a member of a software engineering team. Introduces requirements engineering, specifications, software life cycle models and formal methods for requirements engineering.

Prerequisites: 265 and MATH 222 or CENG 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: 3-2
Security Engineering
The fundamentals of contemporary computer security and cryptology. Topics include an overview of computer security, protection, disaster planning, 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: 265 and CSC 360.

SENG 371 Units: 1.5 Hours: 3-2
Software Evolution
Introduces problems and solutions of long-term software maintenance/evolution and large-scale, long-lived software systems. Topics include software engineering techniques for programming-in-the-large, programming-in-the-many, legacy software systems, software architecture, software evolution, software maintenance, reverse engineering, program understanding, software visualization, advanced issues in object-oriented programming, design patterns, anti-patterns, and client-server computing. This course culminates in a team project.

Note: Credit will be granted for only one of 371, 420 or equivalent.

Prerequisites: 271 or 321.

SENG 380 Units: 1.5 Hours: 3-0
Applied Cost Engineering
Project estimating processes to determine who is going to do what, for how much, when and what associated risks: labour, material and accounting analyses, forecasting, estimating (operation, 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 410 Units: 1.5 Hours: 3-0
Media Applications
The influence of technology, especially digital technology, on how we express ourselves, how we communicate with each other, and how we perceive, think about, and interact with our world. The invention and creative use of enabling technologies for understanding and expression by people and machines. Topics include: digital video representations; three-dimensional images; physical interfaces; computational tools and media that help people learn new things in new ways (e.g., computer-generated facial expressions; machine interpretation of sensory data).

Prerequisites: Fourth-year standing in the Faculty.

SENG 412 Units: 1.5 Hours: 3-1.5
Ergonomics
Accidents associated with "human error" often reflect the failure to recognize human factors in the design stage. This course reviews sensory, motor, and cognitive performance characteristics and derives human engineering design criteria. Principles of displays, controls and ergonomics are discussed.

Prerequisites: Fourth-year standing in the Faculty.

SENG 422 Units: 1.5 Hours: 3-3
Software Architecture
Architectural design of complex software systems. Techniques for designing, evaluating and implementing software system structures, models and formal notations for characterizing and reasoning about 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 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: 3-2
Software Quality Engineering
This course emphasizes software quality engineering as an integral facet of development, from requirements through delivery and maintenance. The students will learn how to choose appropriate quality goals and select, plan, and execute quality assurance activities throughout development and evolution to predictably meet quality and schedule goals. They will learn how quality assurance can be incorporated into process improvement feedback loops that amplify the ability of an organization to cost-effectively prevent and detect faults.

Prerequisites: 321 or 371.

SENG 435 Units: 1.5 Hours: 3-1
Computer-Supported Collaborative Work
Most of the work that people do requires some degree of coordination and communication with others. Successful designs require: (1) social psychological insight into group processes; (2) computer science insight into mechanisms to organize information, coordinate, share, and communicate, and (3) HCI design insight to achieve successful designs for computer-mediated tools. The course focuses primarily on the first two and examines problems and solutions in group coordination and systems including group decision support, organizational memory, virtual spaces, and collaborative design.

Prerequisites: 310.

SENG 440 Units: 1.5 Hours: 3-1
Embedded Systems

Prerequisites: CENG 355 or CSC 355.
Sociology Department of Sociology
Faculty of Social Sciences

Students may enroll in courses numbered 300 and above only if one of the criteria listed on the Program Requirements (page 212, UVic Calendar) has been satisfied.

SOCI 100 Units: 1.5 Hours: 3-0
Introduction to Sociology
Introduces students to the discipline of sociology, beginning with an overview of sociological theory and methods. The main part of the course focuses on key substantive areas of the discipline, and compares current Canadian sociological data with findings from elsewhere. Students learn to see themselves and the world in which they live through various sociological perspectives.

SOCI 103 Units: 1.5 Hours: 3-0
Formerly: half of 200
Canadian Society
The origins, development, and structure of Canadian society analyzed in terms of the new Canadian political economy. Examples of questions which may be addressed are: What kind of society exists in Canada? How did it come to acquire its unique features? What role has immigration played in Canada's development? What kinds of social inequality exist in Canada and why?

Note: Credit will be granted for only one of 103, 200.
**SOCI 302**

**Introduction to Social Problems**
The problematic influences of interest groups, mass media and ideological constructions are analyzed as contributors to issues involving: basic needs, inter-group relations, and Canadian relations with low-income countries.

**Prerequisites:** 100, or a minimum sessional GPA of 4.0.

**SOCI 306**

**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**

**Regulation and Social Control**
Examines law, mass media and the criminal justice system as institutions of regulation and social control.

**Note:** Credit will be granted for only one of 307, 301.

**SOCI 309**

**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**

**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**

**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**

**Class, Status and Power**
An overview of theory and research in the area of social inequality. Focus is on the sources and consequences of the various forms of inequality (e.g. political, social, economic) found in present day societies.

**SOC 316**

**Social Movements**
A study of social movements in the making of modernity and its ongoing transformations. Exploration of how movements arise and are maintained, of why certain kinds of movements emerge in specific contexts, and of what impact they have upon socio-political relations and cultural discourses, both globally and locally. Specific social movements such as feminism, ecology, gay and lesbian liberation, Aboriginal activism, the peace movement, labour, socialism, and religious fundamentalism will be examined.

**SOCI 321**

**Sociology of Work and Occupations**
Explores central concepts in the sociology of work and occupations, followed by a historical overview of work in human societies, methods of training people for work, and the sociological study of the world of work. Also examines current employment patterns and trends, the nature of labour markets and jobs, the gendered arrangements of paid and unpaid work, the organization and management of work, the conditions of unions and industrial relations in Canada and elsewhere, and the more personal context of work.

**SOCI 322**

**Sociology of Groups and Organizations**
An overview of theories and research on groups and organizations from the discipline of sociology. Includes a survey of the classic studies on small groups and formal organizations, as well as discussion of ongoing issues in methodology and theory.

**Note:** Credit will be granted for only one of 322, 323, 325.

**SOCI 326**

**Social Networks**
The major models, methods, and findings of network analysis. The following areas may be discussed: friendship, social influence and status, small groups, communication and diffusion of information, corporate and community organization, social and economic mobility, and computer analysis of network data.

**Prerequisites:** 211

**SOCI 328**

**Issues in the Sociology of Equity and Diversity**
Studies of theory, research, and policy issues in equity and diversity.

**Note:** Credit will be granted for only one of 331, 330.

**SOCI 330**

**Elites and Society**
Study of institutional elites (e.g. business, labour, state, media, church, educational, military) and their roles in society.

**Note:** Credit will be granted for only one of 332, 330.

**SOCI 331**

**Political Sociology**
Study of the social bases (e.g. region, class, religion, ethnicity, language, culture) of political behaviour.

**Note:** Credit will be granted for only one of 331, 330.

**SOCI 332**

**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.

**SOCI 333**

**Population Dynamics**
An introduction to demography, the scientific study of human populations. The core demographic variables - marriage, fertility, mortality, migration, population growth and age structure. Emphasis on interrelations among these variables, and on their social/behavioural causes. Practical exercises in demographic calculation using spreadsheets, including elementary population forecasting.

**Note:** Credit will be granted for only one of 343, 340.

**SOCI 335**

**The Corporation and Society**
The corporation as a basic institution in modern Western societies; its development in Canada and elsewhere; its impact on other institutions, including the family, education, the state and social class.

**SOCI 343**

**Sociology of Leisure**
Conceptual problems in the identification of leisure. The production, consumption and distribution of leisure. The emergence of leisure defined lifestyles. The study of selected leisure activities.
### COURSE LISTINGS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Units</th>
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</table>
| SOCI 371A   | 1.5   | 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. Note: Credit will be awarded for only one of 371A, 371. Course restricted to students in a Sociology program or Leisure Service Administration; if space permits, other students may be permitted to register. |
| SOCI 371B   | 1.5   | 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. Note: Credit will be granted for only one of 371B, 372, 471. Course restricted to students in a sociology program or Leisure Service Administration. If space permits, other students may be permitted to register. |
| SOCI 373    | 1.5   | 3-0   |               | Critical Research Strategies  
Survey of methods 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, and discourse analysis. Note: Credit will be granted for only one of 373, 375A. Prerequisites: 211 |
| SOCI 374    | 1.5   | 3-0   | Formerly: half of 375, 375A | Qualitative Research Methods  
Strategies of qualitative research design. Possible topics include: indepth interviews, narrative analysis, field work, evaluation, historical research, and textual analysis. Note: Credit will be granted for only one of 374, 375, 375A. Prerequisites: 211 |
| SOCI 376    | 1.5   | 3-1   | Formerly: half of 375, 375B | Quantitative Research Methods  
Strategies of quantitative research design. Possible topics include: experimental designs, survey research, questionnaire construction and secondary data analysis. Note: Credit will be granted for only one of 376, 375, 375B. Prerequisites: 211 |
| SOCI 381    | 1.5   | 3-0   |               | Sociology of Gender  
An examination of the social import of gender in contemporary society. Includes evaluation of evidence of biological, psychological and social differences and similarities between males and females; definitions of masculinity and femininity, and androgyny; gender power and socialization; implications of gender for achievements in education, income, and occupations; consideration of relevant sociological theory; and analysis of consequences of social changes affecting gender. |
| SOCI 382    | 1.5   | 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 aetologies of sexual behaviours and interplay of genders with sexualities. Note: Students are strongly recommended to take SOCI 381 before registering in this course. |
| SOCI 383    | 1.5   | 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. |
| SOCI 385    | 1.5   | 3-0   |               | Selected Problems in Sociology  
Presentation of current interests of various faculty members. Note: Students interested in this course should inquire at Registration when the course is to be offered and what the substantive presentation will involve. Students may enroll in this course in different areas for a maximum of 3 units. |
| SOCI 386    | 1.5   | 3-0   |               | Sociology of Law  
The interrelationships of law and other social institutions, socio-economic origins and class interests of legal functionaries, and law as social conflict are analyzed in Canadian and cross-cultural contexts. |
| SOCI 387    | 1.5   | 3-0   |               | Sociology of 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. |
| SOCI 390    | 1.5   | 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. |

### Other Courses

- **SOCI 371B**: Human Sexuality  
- **SOCI 373**: Critical Research Strategies  
- **SOCI 374**: Qualitative Research Methods  
- **SOCI 376**: Quantitative Research Methods  
- **SOCI 381**: Sociology of Gender  
- **SOCI 382**: Human Sexuality  
- **SOCI 383**: Sociology of Aging  
- **SOCI 385**: Selected Problems in Sociology  
- **SOCI 386**: Sociology of Law  
- **SOCI 387**: Sociology of Social Change  
- **SOCI 390**: Sociology of Death and Dying  
- **SOCI 391**: Modernization and Development  
- **SOCI 433**: Population Problems and Policies  
- **SOCI 445**: Sociology of Health and Illness  
- **SOCI 465**: Environmental Sociology  
- **SOCI 472**: Advanced Statistical Methods in Sociology  
- **SOCI 473**: Feminist Theory  
- **SOCI 474**: Sociology of Health and Illness  
- **SOCI 475**: Sociology of Death and Dying  
- **SOCI 476**: Environmental Sociology  
- **SOCI 477**: Advanced Statistical Methods in Sociology  
- **SOCI 478**: Feminist Theory
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 concepts 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.

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 how policy affects Indigenous and other oppressed marginalized groups.

SOCW 300 Units: 6.0
Integrated Practice Course
This course presents an integrated approach to social work ideologies, values, theories and skills. Structural, feminist and Indigenous 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 practise 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.

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: SOCW 300 or 323.

SOCW 304 Units: 3.0
Social Work Practicum I
In the first BSW practicum (315 hours) students: practice social work under supervision in an agency setting; apply, integrate and translate theories into practice; and experience the economic, political and policy constraints on practice.

Note: There is a required concurrent Online Integrative Practice Seminar included in this practicum.
Pre- or corequisites: SOCW 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: INR, COM, N, or F.

SOCW 304A Units: 3.0
Social Work Practicum by Prior Learning Assessment (PLA)
Students with significant work or volunteer experience in social work may complete the first BSW practicum by Prior Learning Assessment. Students will present evidence of their prior learning and practice experience in the form of a portfolio which specifically demonstrates their anti-oppressive practice and their acquisition of the skills and knowledge required in SOCW 304.
Note: Credit will be granted for only one of 304A, 304.
Pre- or corequisites: SOCW 300 or 323. Students registered in a concurrent section of 323 may register in a S 304A section only. (The F and K sections are only available to those students who have completed 323.)
Grading: COM, N, or F.

SOCW 318 Units: 3.0 Hours: 3-0
Research Strategies for Social Work Practice
This course explores critical, Indigenous and anti-oppressive strategies for sociological research and evaluation. 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 justice through a variety of methods. Skills will be developed in a range of qualitative and quantitative data analysis techniques including descriptive and inferential statistical approaches.
Pre- or corequisites: SOCW 300 or 323.

SOCW 323 Units: 4.5 (formerly 6.0) Hours: 1.5-1.5
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 praxis (the relationship between ideology, knowledge and skills). This course will address marginalization, structural inequality 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.

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 inequalities 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. Open to third and fourth year HSD students with instructor’s permission. Enrollment may be limited.

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 Indigenous Issues and Human Services
This course critically examines the historical process of colonization in Canada, the resulting barriers embedded in policy and practice, and alternative ways of viewing the social-psychological position of Indigenous people in Canadian Society. Contemporary issues and the movement toward self-determination will be discussed in relation to social work theory and practice.
Note: Credit will be granted for only one of 354, 454.
Pre- or corequisites: SOCW 300 or 323.

SOCW 390 Units: 1.5 or 3.0
Directed Studies
Students must consult with the Director prior to registration. The intent is to allow students the opportunity to concentrate in a particular field of social welfare such as corrections, gerontology or mental health.

SOCW 391 Units: 3.0 Hours: 3-0
Indigenous Approaches to Healing and Helping
Through direct interaction with Indigenous elders, political leaders and human service workers, students will explore traditional and contemporary approaches used by Indigenous peoples to help and heal in their communities. Students will be challenged to integrate these approaches into their own lives and social work practices.
Note: Limited to Indigenous students of North America or with permission of the Director.
Pre- or corequisites: SOCW 300 or 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 or 318, 304, or 304A, 354 and 350A, 1.5 units of which can be taken as a corequisite.
Grading: INR, 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; Indigenous child welfare agency; an approved government agency in another province or country), students will apply child welfare law and policy to direct practice in child protection investigation, interviewing, assessment and court procedures; guardianship and care plans; and various aspects of case management.
Notes: - Credit will be granted for only one of 404, 404A, 402. There is a required concurrent Online Integrative Practice Seminar included in this practicum.
SOCW 404A Units: 4.5
Child Welfare Specialization Child Welfare Practicum
In this second BSW practicum (420 hours), students have a further opportunity to develop, refine and apply generalist practice knowledge, skills, values and ethics while working under supervision in a child and/or youth and/or family serving agency with those who are affected by child welfare law, policy and practice.
Notes: - Credit will be granted for only one of 404A, 404, 402.
- There is a required concurrent Online Integrative Practice Seminar included in this practicum.
Grading: INP, COM, N, or F.

SOCW 447 Units: 1.5
Addictions in Society: Theory, Practice and Policy
This course critically examines the theoretical perspectives on practice, programs, and policy in the field of addictions. Addiction and recovery will be examined as transactional processes that take place within larger socio-cultural contexts. The course places particular emphasis on the historical, social, geographic, and political contexts of addiction among women, youth, seniors, Indigenous peoples, and members of other marginalized social groups. The course examines issues in the regulation and control of substances and relevant trends in policy and program development. Students are expected to use critical reflection to articulate their own perspectives on addiction.
Note: Credit will be given for only one of 471, 479, CYC 369, HSD 462.
Prerequisites: SOCW 204A and SOCW 200B, or permission of the instructor.

SOCW 471 Units: 1.5
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- or corequisites: SOCW 301 or 323.

SOCW 472 Units: 1.5
Social Work Practice in the Field of Addictions
This course will critically examine current practice models in the addictions field. Differing models of change including peer helping, harm reduction, Indigenous approaches to healing, and inclusive approaches to assessment, prevention and intervention will be studied. Attention will be paid to assessment and intervention across the life span and with populations who are subject to marginalization and discrimination. Practice strategies for working effectively with individuals who are coping with concurrent conditions will also be explored. Students will be asked to critically examine their own personal and professional preparation for addressing addiction issues in their chosen field of practice.
Note: Credit will be given for only one of 472, CYC 368, HSD 463.
Prerequisites: SOCW 471

SOCW 474 Units: 1.5
An Introduction to Community Work
This course will engage students in examining the transformative work possible in communities. Students’ personal experiences of social connection and working with others will be located and challenged through theoretical and critical analysis from a ‘community perspective’. Key tools and skills for building just, healthy, sustainable communities will be presented. Students will be able to choose specific stories (for example Indigenous, child and family) for in-depth study and reflection.
Prerequisites: SOCW 300 or 323 or by permission of the instructor.

SOCW 476 Units: 1.5
Family and Child Welfare Policy
Critiques of family and child welfare policy and practice such as the feminist and Indigenous perspectives are challenging the social work profession. 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: SOCW 300 or 323.

SOCW 477 Units: 1.5
Developing Skills and Knowledge in 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: SOCW 300 or 323.

SOCW 490 Units: 1.5 or 3.0
Directed Studies
Students must consult with the Director prior to registration. The intent is to allow students the opportunity to concentrate in a particular field of social welfare such as corrections, gerontology or mental health.

SOCW 491 Units: 1.5
Integration of Indigenous Approaches to Healing and Helping
Students will continue to explore traditional and contemporary approaches to healing and helping in the communities that they began in 391. Indigenous elders, political leaders and human service workers will again play a central role in this course. Students will also be challenged to critically and holistically integrate these approaches into an examination, articulation and development of their own ethical perspectives.
Note: Limited to Indigenous students of North America or with permission of the Director.
Prerequisites: SOCW 391.
Pre- or corequisites: SOCW 300 or 323.

SOCW 492 Units: 1.5
Protecting Indigenous Children
This course will provide students with an opportunity to explore the unique policy and practice considerations to providing child and family services in Indigenous communities in British Columbia. Students will be challenged to synthesize the demands of provincial child welfare legislation with emerging Indigenous practices and policies in a way that protects the identity, cultures, and social structure of Indigenous children and families.
Note: Limited to Indigenous students of North America or with permission of the Director.
Prerequisites: SOCW 354.
SPAN

Spanish Department of Hispanic and Italian Studies
Faculty of Humanities

Native speakers of Spanish may not obtain credit for 100 or 200 level courses. A native speaker is defined in this context as a person who has spoken Spanish since childhood and/or has received sufficient instruction in the language to be literate in it. The Department will assign students with previous knowledge to the appropriate level.

SPAN 100A Units: 1.5 Hours: 3-1
Formerly: first half of 100
Beginners’ Spanish I
Focuses on the acquisition of basic skills of pronunciation, reading, writing and conversation. Includes instruction in essential points of grammar, basic syntax, and vocabulary for daily interaction.
Note: Credit will be granted for only one of 100A, 100, 149. Not open to students with credit in Spanish 12. Priority will be given to students in first or second year.

SPAN 100B Units: 1.5 Hours: 3-0-1
Formerly: second half of 100
Beginners’ Spanish II
A continuation of 100A. Emphasis on the acquisition of basic skills. Vocabulary and grammatical concepts will be expanded.
Note: Credit will be granted for only one of 100B, 100, 149. Not open to students with credit in Spanish 12.

SPAN 149 Units: 3.0 Hours: 6-2
Beginners’ Spanish
Intensive Spanish language instruction for beginning language students. Equivalent to 250A/B.
Note: Credit will not be granted for 149 and 100, 100A, 100B. Not open to students with credit in Spanish 12.

SPAN 249 Units: 3.0 Hours: 6-2
Review of Grammar and Conversation
Intensive Spanish language instruction for intermediate language students. Equivalent to 250A/B.
Note: Credit will not be granted for 249 and 250, 250A, 250B.

SPAN 250A Units: 1.5 Hours: 3-0-1
Formerly: first half of 250
Review of Grammar and Conversation I
Intensive review of grammatical concepts and structures presented in 100A and 100B and the acquisition of composition and translation skills. Readings may be taken from significant Spanish and Spanish American authors. One hour a week will be devoted to conversation.
Note: Credit will be granted for only one of 250A, 249, 250. Students who intend to do Major or Honours work in Hispanic Studies should take this course in the second year; may also be taken as an elective.

SPAN 255 Units: 1.5 Hours: 3-0
Communicating in Spanish
This optional companion course to 250A will focus on reading and speaking Spanish. Short literary and journalistic texts will be used for oral practice to develop reading skills, and also for brief written assignments and film and media reports.
Note: Must be taken in conjunction with 250A.

SPAN 250B Units: 1.5 Hours: 3-0-1
Formerly: second half of 250
Review of Grammar and Conversation II
A continuation of 250A. Review of grammatical concepts and structures introduced in 100A and 100B as well as on the expansion and consolidation of skills acquired in 250A. Readings may be taken from significant Spanish and Spanish American authors. One hour a week will be devoted to conversation.
Note: Credit will be granted for only one of 250B, 249, 250. Students who intend to do Major or Honours work in Hispanic Studies should take this course in the second year. May also be taken as an elective.

SPAN 260 Units: 1.5 formerly 3 Hours: 3-0
Introduction to the Literature of Spain and Spanish America
A study of selections from major authors of Spain and Spanish America in the genres of narrative, drama, and poetry. Students will be introduced to basic techniques of literary criticism.
Note: Not open to students with credit in Language and Literature courses at the 300 and 400 level with the exception of those given in English and taken as electives.
Pre- or corequisites: 250B.

SPAN 280 Units: 6.0 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.

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 course work is done in Spanish; second-year standing if 306 course work is done 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 course work is done in Spanish; second-year standing if 307 course work is done in English.

SPAN 310 Units: 3.0 Hours: 6-0
Survey of Spanish American 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 350B.

SPAN 335 Units: 1.5 Hours: 3-0
Survey of Spanish American Literature since 1830
A chronological survey of works of major Spanish American authors in the genres of narrative, drama, and poetry from 1830 to 1900. Techniques of literary criticism will be reviewed and expanded.
Note: Normally taken in conjunction with 350A.

SPAN 340 Units: 3.0 Hours: 6-0
Spanish Immersion Literature
This course, to be taken in conjunction with 350A/B, is the second part of the Year Abroad Program, and combines conversation with an introduction to the culture and literature of Spain and Latin America.

SPAN 350A Units: 1.5 Hours: 3-0
Formerly: first half of 350
Advanced Composition, Translation and Stylistics: I
Advanced placement by the department. Emphasis on the mastery of Spanish grammar and syntax through translation, composition and readings.

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.

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: Regularly taken in conjunction with 350A.

SPAN 385 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: Regularly taken in conjunction with 350B.

SPAN 390 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: Regularly taken in conjunction with 350A.

Pre- or corequisites:

SPAN 300 or 323.
COURSE LISTINGS

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.

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-feminist, courtly love, miracle stories and political satire.
Notes: 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 471A Units: 1.5 Hours: 3-0
Formerly: 471
The Female Voice in Medieval Poetry
A study of the female voice in the medieval Cancionero in the context of the pro- and anti-feminist debate of the period.
Note: Credit will be granted for only two of 471A, 471, 470, 470A, 470B if taken in different topics.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 471B Units: 1.5 Hours: 3-0
Formerly: 471
Miracle Stories of the Marian Tradition
A study of the miracle stories of King Alfonso X and Gonzalo de Berceo in the social and theological context of the Middle Ages.
Note: Credit will be granted for only two of 471B, 471, 470, 470A, 470B if taken in different topics.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 471C Units: 1.5 Hours: 3-0
Formerly: 471
Special Topics in Medieval Literature (in English)
Topics in the medieval literature and culture of Spain dealing with such issues as religious tolerance and intolerance, the epic as witness and participant in the making of the nation, the pro- and anti-feminist debate. The topic will change from year to year.
Note: May be taken twice in different topics. Credit will be granted for only two of 471C, 471, 470, 470A, 470B if taken in different topics.
Pre- or corequisites: Second-year standing.

SPAN 472 Units: 1.5 Hours: 3-0
Cervantes' Don Quixote
A study of Don Quixote in the context of Cervantes’ life and times. Generally given in Spanish.
Pre- or corequisites: One of 370, 375, 380, or 385 if 472 given in Spanish; second-year standing if 472 given in English.

SPAN 473A Units: 1.5 Hours: 3-0
Formerly: 473
Prose of the Golden Age
Study of representative authors, themes, and genres. Authors may include Montemayor, Vélez de Guevara, Delicado, and Gracián.
Note: Open to students with credit in 473 if taken in different topics. May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 473B Units: 1.5 Hours: 3-0
Formerly: 473
Poetry of the Golden Age
Study of representative authors, themes, and genres. Authors may include Garcilaso de la Vega, Santa Teresa, Fray Luis de León, San Juan de la Cruz, Gongora, and Quevedo.
Note: Open to students with credit in 473 if taken in different topics. May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 473C Units: 1.5 Hours: 3-0
Formerly: 473
Drama of the Golden Age
Study of representative authors, themes, and genres. Authors may include Lope de Vega, Tirso de Molina, and Calderón de la Barca.
Notes: Open to students with credit in 473 if taken in different topics. May be taken twice for credit in different topics.
- Credit will be granted for only one of 473C, 474A, 474B.
Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 475 Units: 1.5 Hours: 3-0
Landscapes of Desire: Visions of Self and Country
Heroics, love, and death in Renaissance and Golden Age Spain. This study of poetry as the mirror of culture will focus on the major poets. Special reference will be made to poets who also practiced another art, profession, or belonged to the Church.
Pre- or corequisites: One of 370, 375, 380, 385 if 475 given in Spanish, second-year standing if 475 given in English.

SPAN 476A Units: 1.5 Hours: 3-0
Formerly: 471
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
Formerly: 473
Special Topics in Hispanic Literature
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
Formerly: 412
20th Century Drama and Poetry
A study of the drama and poetry of modern Spain, covering the works of such writers as Juan Ramón Jiménez, García Lorca, Pedro Salinas and Alonso 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 primarily a study of fiction, some attention may be given to poetry and drama at the discretion of the instructor.
Note: May be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, or 385.

SPAN 479A Units: 1.5 Hours: 3-0
Also: ITAL 479A
Women in the Hispanic and Italian World
A study of major women authors, characters and themes relevant to women's issues in Hispanic and Italian literature. May be given in English, Spanish or Italian.
Topic: "Contemporary Women's Writing for Children"
Note: Credit will be granted for both SPAN 479A and ITAL 479A only if taken in different topics. SPAN 479A may be taken twice for credit in different topics.
Pre- or corequisites: One of 370, 375, 380, 385 if 479A readings in Spanish, second-year standing if 479A readings in English.

SPAN 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, Sannazaro, Bembo, Castiglione, Garcilaso, Herrera, Lope and Cervantes.
Note: Credit will be granted for both SPAN 479B and ITAL 479B only if taken in different topics. SPAN 479B may be taken twice in different topics.
Pre- or corequisites: Second-year standing.
SPAN 481A Units: 1.5 Hours: 3-0
Formerly: 481, 480, 480A
Sor Juana Inés de la Cruz: Context, Theatre and Prose
The theatre and prose of Sor Juana as a reflection of and response to her society and personal circumstances. We begin by studying the racial and cultural diversity of seventeenth century New Spain, its artistic and intellectual movements, the socioeconomic situation of women, and female monastic life. Works by Sor Juana to be studied include religious and secular plays, theological writings, and texts addressed to the ecclesiastical hierarchy.
Note: Credit will be granted for only one of 481A, 480, 480A, 481 if taken in the same topic.
Pre- or corequisites: One of 370, 375, 380, 385 if 481A given in Spanish, second-year standing if 481A given in English.

SPAN 481B Units: 1.5 Hours: 3-0
Formerly: 481, 480, 480A
Sor Juana Inés de la Cruz: Poetry
A study of the poetic compositions - devotional, irreverent, humorous, satirical and philosophical - of the 17th Century Mexican nun. The poetry will be studied in its historical, social, and literary context.
Note: Credit will be granted for only one of 481B, 480, 480A, 481 if taken in the same topic.
Pre- or corequisites: One of 370, 375, 380, 385 if 481B given in Spanish, second-year standing if 481B given in English.

SPAN 481C Units: 1.5 Hours: 3-0
Formerly: 481, 480, 480A
Colonial Letters: Literatures of the Conquest
A comparative study of how soldiers, friars, poets and indigenous historians of the sixteenth and seventeenth century narrated the conquest of the Americas. Topics may include the role of providence, Neoplatonic and early anthropological views of indigenous societies and beliefs, and the epic in the New World. Authors may include Cortés, Díaz del Castilloy, Sahún, Mendiesta, Ercilla, Villagrá, Álvar Ixtlixóchitl, the Inka Garcilaso de la Vega, and Waman Puma.
Note: May be taken twice in different topics. Credit will be granted for only one of 481C, 480, 480A, 481 if taken in the same topic.
Pre- or corequisites: One of 370, 375, 380, 385 if 481C given in Spanish, second-year standing if 481C given in English.

SPAN 481D Units: 1.5 Hours: 3-0
Formerly: 481, 480, 480A
Colonial Letters: The Spanish American Enlightenment
An exploration of the manifestations of the Enlightenment in Spanish America, focusing mainly on México. Topics of discussion may include science and popular religiosity, creole patriotism and the insurgency, depictions of race, class and gender, early novels, and travel narratives. Readings will be drawn from the works of Clavijero, Mier, von Humboldt, Fernández de Lizardi, and others.
Note: May be taken twice in different topics. Credit will be granted for only one of 481D, 480, 480A, 481 if taken in the same topic.
Pre- or corequisites: One of 370, 375, 380, 385 if 481D given in Spanish, second-year standing if 481D given in English.

SPAN 482B Units: 1.5 Hours: 3-0
Formerly: 480B
Contemporary Theatre of Spanish America
Theatre from South America, Central America and the Caribbean, and Mexico. Including works written and staged from the 1950s to the present.
Note: Credit will be granted for only one of 482B, 480B.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 483B Units: 1.5 Hours: 3-0
Formerly: 480D
Fiction from the “Boom” to the Present
Novels and short stories from the 1950s to the present. Discussion of each work within its national and/or regional context.
Note: Credit will be granted for only one of 483B, 480D.

Pre- or corequisites: One of 370, 375, 380, 385.

SPAN 484B Units: 1.5 Hours: 3-0
Contemporary Latin American Literature (in English)
A selection of works by 20th Century writers from Spanish America and Brazil. Discussion of each work within its national and/or regional context.

Note: Credit will be granted for only one of 484B, 481, PORT 481 without permission of the department.
Pre- or corequisites: One of 370, 375, 380, 385.

Pre- or corequisites: One of 484B, 481, PORT 481 without permission of the department.

Note: May be taken twice for credit in different topics.

Pre- or corequisites: One of 481, 480, 480A if taken in the same topic.

Pre- or corequisites: May be taken twice for credit in different topics.

Pre- or corequisites: One of 480, 481 if taken in the same topic.

Pre- or corequisites: May be taken twice for credit in different topics.

Pre- or corequisites: One of 480, 481 if taken in the same topic.

Pre- or corequisites: May be taken twice for credit in different topics.

Pre- or corequisites: One of 480, 481 if taken in the same topic.

Pre- or corequisites: May be taken twice for credit in different topics.

Pre- or corequisites: One of 480, 481 if taken in the same topic.

Pre- or corequisites: May be taken twice for credit in different topics.

Pre- or corequisites: One of 480, 481 if taken in the same topic.

Pre- or corequisites: May be taken twice for credit in different topics.

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Pre- or corequisites: May be taken twice for credit in different topics.

Pre- or corequisites: One of 480, 481 if taken in the same topic.

Pre- or corequisites: May be taken twice for credit in different topics.

Pre- or corequisites: One of 480, 481 if taken in the same topic.

Pre- or corequisites: May be taken twice for credit in different topics.
## 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, 255, 256, 260. See Credit Limit, page 32.

**Prerequisites:** MATH 151 or 122.

### 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 variables, covariance, random samples and sampling distributions, central limit theorem; point and interval estimation; hypothesis testing; linear regression and correlation.

**Notes:** Credit will be granted for only one of 254, 250, 252, 255, 260. See Credit Limit, page 32.

**Prerequisites:** Admission to a BEng program.

**Corequisites:** MATH 200.

### STAT 255: Units: 1.5 Hours: 3-0
**Statistics For Life Sciences: I**

Descriptive statistics; probability; random variables and probability distributions; expectation; binomial, Poisson, and normal distributions; random sampling and sampling distributions; point and interval estimation; classical hypothesis testing and significance testing. Statistical examples and applications from life sciences will be emphasized.

**Notes:** Credit will be granted for only one of 255, 250, 252, 254, 260. See Credit Limit, page 32.

- Intended primarily for students in Biochemistry, Microbiology, Biology, Environmental Studies combined with a Science discipline, Kinesiology, and Combined Computer Science and Health Information Science.

**Prerequisites:** 1.5 units of mathematics numbered 100 or higher.

### STAT 256: Units: 1.5 Hours: 3-1-0
**Statistics For Life Sciences: II**

Estimation and hypothesis testing; analysis of variance and the design of experiments; regression and correlation; analysis of categorical data; distribution-free procedures. Statistical examples and applications from life sciences will be emphasized.

**Notes:** Credit will be granted for only one of 256, 251, 261.

- Intended primarily for students in Biochemistry, Microbiology, Biology, and Environmental Studies.

**Prerequisites:** 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 32.

**Pre- or corequisites:** MATH 101 or 103 or 140.

**Intended for Business students.**

**Prerequisites:** MATH 151 or 122.

### 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:** 250 or equivalent.

### STAT 250: 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.

### STAT 353: 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. Non-sampling errors.

**Prerequisites:** 256 or 261, or permission of the instructor.

### STAT 355: Units: 1.5 Hours: 3-0
**Statistical Methods in Biology and Medicine**

Rates and comparison of rates: case-control studies; odds ratios; regression models; Poisson and logistic regression; dose-response models; Cox’s regression analysis.

**Prerequisites:** 256 or 261.

### STAT 357: Units: 1.5 Hours: 3-0
**Statistical Methods in Quality Assurance**

Univariate control charts for measurements and attributes; multivariate control charts for measurements; process capability analysis; regression, sampling and experimental design methods.

**Prerequisites:** One of 252, 254, 255 or 260.

### STAT 359: Units: 1.5 Hours: 3-1
**Data Analysis**

An introductory data analysis course for students who have had an introduction to descriptive statistics, probability distributions, estimation, hypothesis testing and confidence intervals. Emphasis is placed on proper use of computer software, interpretation of output and assumptions required for use of each statistical method. Topics may include: linear and nonlinear regression, time series analysis, analysis of variance, design of experiments, generalized linear models, repeated measures analysis, survival analysis, methods for multivariate data, and nonparametric methods.

**Prerequisites:** One of 252, 254, 255, 260, ECON 246, GEOG 226, PSYC 300A, SOCI 371A, or equivalent.

### STAT 450: Units: 1.5 Hours: 3-0
**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.

### STAT 454: Units: 1.5 Hours: 3-0
**Topics in Applied Statistics**

Possible topics include: Multivariate analysis, multidimensional scaling methods, clustering methods, and time series analysis. Information on the topics available in any given year may be obtained from the Chair of the department.

**Note:** May be taken more than once for credit in different topics with permission of the Chair of the department.

**Prerequisites:** Permission of the instructor.

### STAT 455: Units: 1.5 Hours: 3-0
**Distribution-Free Statistics**

Tests based on the binomial distribution; contingency tables; methods based on ranks; statistics of the Kolmogorov-Smirnov type; resampling methods; empirical likelihood methods.

**Note:** Students with credit for 454 require permission of the department.

**Prerequisites:** 350.

### STAT 456: Units: 1.5 Hours: 3-0
**Multivariate Analysis**

Multivariate normal distribution; multivariate analysis of variance; regression; discriminant analysis; classification analysis; principal component analysis; cluster analysis; and factor analysis.

**Note:** Students with credit for 454 require permission of the department.

**Prerequisites:** 350 and 353.

### STAT 457: Units: 1.5 Hours: 3-0
**Time Series Analysis**

Stationary time series; Box-Jenkins methodology; autoregressive, moving-average and ARIMA models; smoothing; time series regression; spectral analysis and linear filters.

**Note:** Students with credit for 454 require permission of the department.

**Prerequisites:** 350 and 353.

### STAT 458: Units: 1.5 Hours: 3-0
**Generalized Linear Models**

Nonlinear regression models; logit and probit models for binomial responses; log-linear models for counts; quasi-likelihoods and generalized estimating equations for non-normal data.
### Theatre Department of Theatre Faculty of Fine Arts

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### STAT 459 Survival Analysis
Analysis of time-to-failure data; censoring; survival, hazard rate and mean residual life functions; non-parametric estimation and comparisons of survival functions; covariates; parametric models; semi-parametric (Cox) regression model; time-dependent covariates.

**Prerequisites:** 350 and 353.
COURSE LISTINGS

THEA 225 Units: 3.0 Hours: 3-0
Introduction to Applied Theatre
A broad interpretive examination of the uses of theatre in a variety of educational and non-traditional settings.
Prerequisites: 105, 111, 112, 120 and 132 or 181, or permission of the department.
Corequisites: 205, 210 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.

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.

THEA 261 Units: 1.5 Hours: 4-0
Introduction to Costume Design
An introduction to the design principles, drawing techniques, and materials of costume design for the stage and other media.
Prerequisites: Permission of the department.

THEA 299 Units: 1.5 or 3.0
Theatre Laboratory
Under the supervision of faculty, students will participate in projects that will include both their particular areas of interest and other aspects of the theatre.
Note: May be taken more than once for credit in different topics to a maximum of 3 units.
Prerequisites: Permission of the department.

THEA 305 Units: 1.5 or 3.0 Hours: 0-6-2
Advanced Production and Management
Students are instructed and given practical experience in one or more of the major production and management areas of the theatre. These may include: costume, stage management, technical direction, sound design, lighting operation, stage carpentry, 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.

THEA 309A Units: 1.5 Hours: 4-0
Formerly: 309
History of Opera to the Late Nineteenth Century
Survey course designed to introduce students to the history of opera as a theatrical genre. Emphasis will be placed upon composers and librettists who were major influences in the development of opera from the Renaissance through to the end of the Romantic age. Dramatic style and theory will be addressed.
Note: Credit will be granted for only one of 309A, 309B.
Prerequisites: 211 or MUS 110.

THEA 309B Units: 1.5 Hours: 4-0
Modern Opera
A continuation of THEA 309A, investigating the history of Western opera as a theatrical genre from the late nineteenth century to the present.
Note: Credit will be granted for only one of 309B, 309.
Prerequisites: 309A or permission of the department.

THEA 310 Units: 1.5 Hours: 3-0
Seminar in Theatre History: I
Intensive study of a specific period or genre. The topics for consideration will change each year. Students may take this course for credit more than once.
Note: Students in Humanities and Social Sciences may take this course once only.
Prerequisites: 211 or permission of the department.

THEA 311 Units: 1.5 Hours: 3-0
Seminar in Theatre History: II
Intensive study of a specific period or genre. The topics for consideration will change each year. Students may take this course for credit more than once.
Note: Students in Humanities and Social Sciences may take this course once only.
Prerequisites: 211 or permission of the department.

THEA 312 Units: 1.5 Hours: 3-0
Also: JAPA 320A
Introduction to the History of Japanese Theatre
A survey of Japanese theatre history from earliest times until the present day. Introduction to the major forms, styles and theory of Japanese theatre, both pre-modern and modern. Readings of plays in translation will be supplemented by screenings of films and videos of stage performances.
Note: Credit will be granted for only one of 312, JAPA 320A.
Prerequisites: Second-year standing or permission of the department.

THEA 313 Units: 1.5 Hours: 3-0
Also: JAPA 320B
Seminar in Japanese Theatre and Drama: From 1500 to the Present Day
Intensive study of No, Bunraku, Kabuki, and 20th-century Japanese theatre.
Notes: - Credit will be granted for only one of 313, JAPA 320B.
- Students should consult the instructor for specific information on course content, which may vary from year to year.
Prerequisites: 312 or JAPA 320A.

THEA 314 Units: 1.5 Hours: 3-0
Formerly: 306
Studies in Theatre of the Ancient World
Theatre in ancient Greece or Rome.
Note: Credit will be granted for only one of 314, 306. Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics with permission of the department.
Prerequisites: 211 or permission of the department.

THEA 315 Units: 1.5 Hours: 3-0
Formerly: 307
Studies in Medieval Theatre
Theatre of the Middle Ages.
Note: 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.
Prerequisites: 211 or permission of the department.

THEA 316 Units: 1.5 Hours: 3-0
Studies in Baroque, Rococo and Neoclassical Theatre
Theatre in the 17th and 18th centuries.
Note: Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics with permission of the department.
Prerequisites: 211 or permission of the department.

THEA 317 Units: 1.5 Hours: 3-0
Studies in 19th Century Theatre
Theatre in the 19th century.
Note: Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics with permission of the department.
Prerequisites: 211 or permission of the department.

THEA 318 Units: 1.5 Hours: 3-0
Studies in 20th Century Theatre
Modern theatre.
Note: Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics with permission of the department.
Prerequisites: 211 or permission of the department.

THEA 319 Units: 1.5 Hours: 3-0
Formerly: 308
Studies in Renaissance Theatre
The Renaissance in the theatre of Italy, France and England.
Note: Credit will be granted for only one of 319, 308. Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics with permission of the department.
Prerequisites: 211 or permission of the department.

THEA 321 Units: 1.5 Hours: 0-4.5
Formerly half of 320
Acting: III
The study of acting as related to specific theatrical genres, styles or periods.
Note: Credit will be granted for only one of 321, 320.
Prerequisites: 205, 211, 221, 222, 223, 225; audition and/or interview; permission of the department.
Corequisites: 323 and 325.

THEA 322 Units: 1.5 Hours: 0-4.5
Formerly half of 320
Acting: IV
A continuation of Theatre 321. The study of acting as related to specific theatrical genres, styles or periods.
Note: Credit will be granted for only one of 322, 320.
Prerequisites: 321; audition and/or interview; permission of the department.
Corequisites: 324 and 326.

THEA 323 Units: 1.5 Hours: 0-4.5
Formerly half of 350
Speech in the Theatre: I
Work in voice and speech as related to specific theatrical genres, styles or periods.
Note: Credit will be granted for only one of 323, 350.
Prerequisites: 205, 211, 221, 222, 223, 225; audition and/or interview; permission of the department.
Corequisites: 321 and 325.

THEA 324 Units: 1.5 Hours: 0-4.5
Formerly half of 350
Speech in the Theatre: II
A continuation of Theatre 323. Work in voice and speech as related to specific theatrical genres, styles or periods.
Note: Credit will be granted for only one of 324, 350.
Prerequisites: 323; audition and/or interview; permission of the department.
Corequisites: 322 and 326.

THEA 325 Units: 1.5 Hours: 0-4.5
Formerly half of 360
Stage Movement: I
Intermediate stage movement.
Note: Credit will be granted for only one of 325, 360.
Theatre Performance

Applied Theatre: I
Formerly: half of 330
Stage Movement: II
A continuation of Theatre 325. Intermediate stage movement.

Prerequisites: 205, 211, 221, 222, 223, 225; audition and/or interview; permission of the department.
Corequisites: 321 and 323.

THEA 326 Units: 1.5 Hours: 0-4.5-0
Formerly: half of 360
Stage Movement: II
A continuation of Theatre 325. Intermediate stage movement.

Note: Credit will be granted for only one of 326, 360.

THEA 327 Units: 1.5 Hours: 3-0
The Art of Movement
A practical course designed for non-Acting Majors who wish to learn about the art of movement. The focus of this course is the body as an instrument of expression. Recommended for students interested in Directing, Education, Design; for musicians, including singers, instrumentalists, and conductors; and for visual and performance artists.

Note: Enrollment limited to 30 students per section. Not open to Acting Specialists.

Prerequisites: Permission of the department.

THEA 328 Units: 1.5 Hours: 3-0
Also: SEA 320
The Theatre of Indonesia
A survey of the theatre of Indonesia. Examines trance dances, traditional puppet theatres of Java and Bali, folk theatres of Java, Bali, and Sumatra and national Indonesian language-art theatre and drama. Readings of plays in translation will be supplemented by videos, films, and slides of performances.

Note: Credit will be granted for only one of 328, SEA 320.

Prerequisites: Second-year standing or permission of the department.

THEA 329 Units: 1.5
Theatre Performance
Supervised performance in Department productions.

Note: Credit will only be granted for no more than 4.5 units of any combination of 329, 229, 429. May be taken more than once for credit with permission of the department.

Prerequisites: Permission of the department.
Grading: COM, N, or F.

THEA 331 Units: 1.5 Hours: 1-2
Formerly: half of 330
Directing I
Fundamental textual analysis; stage composition, movement and rhythm, methods of rehearsal procedure and basic techniques of working with the actor.

Note: Credit will be granted for only one of 331, 330.

Prerequisites: 205, 210, 211 and permission of the department.

THEA 332 Units: 1.5 Hours: 1-2
Formerly: half of 330
Directing II
A continuation of Theatre 331. Fundamental textual analysis; stage composition, movement and rhythm, methods of rehearsal procedure and basic techniques of working with the actor.

Note: Credit will be granted for only one of 332, 330.

Prerequisites: 331 and permission of the department.

THEA 335 Units: 3.0 Hours: 0-4.5
Applied Theatre: I
Advanced study of the theory and practice of Applied Theatre.

Prerequisites: 205, 210, 211 and 235, or permission of the department.
Corequisites: 331 or 332 and 355 or 356.

THEA 338 Units: 1.5 Hours: 3-0
Formerly: half of 342
Lighting For the Theatre: I
Lighting design; its theory and practice.

Note: Credit will be granted for only one of 348, 342.

THEA 340 Units: 1.5 Hours: 3-0
Formerly: half of 342
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 345 Units: 1.5 Hours: 2-2
Formerly: half of 340
Introduction to Scenic Design
Fundamentals of three dimensional design communication and aesthetics. Model making and other graphic techniques for planning, analyzing and describing scenic space for the stage.

Note: Credit will be granted for only one of 345, 340.
Prerequisites: 205, 210, 211, 251, 252 and permission of the department.

THEA 346 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 346, 342.
Prerequisites: 210, 211, 351 and permission of the department.

THEA 347 Units: 1.5 Hours: 0-3
Assisting the Scenic Designer
Assisting the scenic designer of a mainstage production.

Note: Credit will be granted for only one for credit to a maximum of 6 units.
Pre- or corequisites: 351, 352 and permission of the department.

THEA 348 Units: 1.5 or 3.0
Lighting For the Theatre: I
Lighting design; its theory and practice.

Note: May be taken more than once for credit to a maximum of 6 units.
Pre- or corequisites: 361 and permission of the department.

THEA 349 Units: 1.5 or 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 350 Units: 1.5 Hours: 1-2
Formerly: half of 340
Assisting the Lighting Designer
Assisting the lighting designer of a mainstage production.

Note: Credit will be granted for only one for credit to a maximum of 6 units.
Pre- or corequisites: 348, 349 and permission of the department.

THEA 351 Units: 1.5 Hours: 0-3
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 the Specialist Options in Design or of Production and Management.

THEA 352 Units: 1.5 or 3.0
Design Aesthetics: II
Further explorations in the use, creative interpretation, and communication of stage design through theory and practical projects.

Note: May be taken more than once for credit to a maximum of 6 units.
Pre- or corequisites: 355 and permission of the department.
THEA 394  Units: 1.5 or 3.0  
Directed Studies in Applied Theatre  
Supervised research in Applied Theatre culminating in the production of a specific project either written or practical.  
Note: May be taken more than once for credit in different topics to a maximum of 3 units. Students in Humanities, Social Sciences and Science may take for elective credit only one of THEA 390, 391, 392, 393, 394.  
Prerequisites: Permission of the department.

THEA 395  Units: 1.5 or 3.0  
Directed Studies in Production and/or Management  
Note: May be taken more than once for credit in different topics to a maximum of 3 units.  
Prerequisites: 205 and permission of the department.

THEA 396  Units: 1.5 or 3.0  
Directed Studies in Scene Design  
Note: May be taken more than once for credit in different topics to a maximum of 3 units.  
Prerequisites: 251, 252, 351, 352 and permission of the department.

THEA 397  Units: 1.5 or 3.0  
Directed Studies in Costume Design  
Note: May be taken more than once for credit in different topics to a maximum of 3 units.  
Prerequisites: 362, 363, 364 and permission of the department.

THEA 398  Units: 1.5 or 3.0  
THEA Laboratory  
Under the supervision of faculty, students will participate in projects that will include both their particular areas of interest and other aspects of the theatre.  
Note: May be taken more than once for credit in different topics to a maximum of 3 units.  
Prerequisites: Permission of the department.

THEA 405  Units: 1.5 or 3.0  Hours: 0-6-2  
Specialized Studies in Production and Management  
Supervised practical experience in one or two specialized areas of production and management in the theatre.  
Note: Enrollment limited. May be taken more than once for credit in different topics.  
Prerequisites: 305 and permission of the department.

THEA 410  Units: 1.5  Hours: 3-0  
Seminar in Theatre History: III  
Intensive study of a specific period or genre. The topics for consideration will change each year. Students may take this course for credit more than once.  
Note: Students in Humanities, Science and Social Sciences may take this course only.  
Prerequisites: 211 or permission of the department.

THEA 411  Units: 1.5  Hours: 3-0  
Seminar in Theatre History: IV  
Intensive study of a specific period or genre. The topics for consideration will change each year. Students may take this course for credit more than once.  
Note: Students in Humanities, Science and Social Sciences may take this course only.  
Prerequisites: 211 or permission of the department.

THEA 412  Units: 1.5  Hours: 0-4.5  
Formerly: half of 420  
Acting: V  
Advanced work in acting.  
Note: Credit will be granted for only one of 421, 420.  
Prerequisites: 421; audition and/or interview; permission of the department.  
Corequisites: 423 and 425.

THEA 414  Units: 1.5, formerly 3  Hours: 3-0  
Formerly: half of 420  
Studies in Canadian Theatre and Drama  
The Canadian theatre and drama.  
Note: Students should consult the department for the topic to be considered. May be taken more than once for credit in different topics with permission of the department.  
Prerequisites: 211 or permission of the department.

THEA 421  Units: 1.5  Hours: 0-4.5  
Formerly: half of 420  
Acting: V  
A continuation of 421. Advanced work in special challenges in acting.  
Note: Credit will be granted for only one of 421, 420.  
Prerequisites: 421; audition and/or interview; permission of the department.  
Corequisites: 423 and 425.

THEA 422  Units: 1.5  Hours: 0-4.5  
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 421, 420.  
Prerequisites: 421; audition and/or interview; permission of the department.  
Corequisites: 423 and 425.

THEA 423  Units: 1.5  Hours: 0-4.5  
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: 424 and 426.

THEA 424  Units: 1.5  Hours: 0-4.5  
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  Hours: 0-4.5  
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  Hours: 0-4.5  
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 4.5 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.

THEA 431  Units: 1.5  Hours: 3-0  
Formerly: half of 430  
Directing: III  
Advanced work in stage direction.  
Note: Credit will be granted for only one of 431, 430.  
Prerequisites: 332 and permission of the department.

THEA 432  Units: 1.5 or 3.0  Hours: 3-0  
Formerly: half of 430  
Directing: IV  
A continuation of 431.  
Note: Credit will be granted for only one of 432, 430.  
Prerequisites: 431 and permission of the department.

THEA 433  Units: 1.5 or 3.0  Hours: 0-3  
Formerly: half of 460  
Directing for Production  
Directing for department productions.  
Note: May be taken more than once for credit to a maximum of 6 units.  
Prerequisites: 332 and permission of the department.  
Corequisites: 431 or 432.

THEA 435  Units: 3.0  Hours: 3-0  
Applied Theatre: II  
Advanced study of the theory and practice of Applied Theatre.  
Prerequisites: 332, 335 and 355 or permission of the department.

THEA 453  Units: 1.5 or 3.0  Hours: 0-3  
Formerly: half of 460  
Design for Production  
Design for Department productions.  
Note: May be taken more than once for credit to a maximum of 6 units.  
Prerequisites: 351, 352 and permission of the department.

THEA 454  Units: 1.5 or 3.0  Hours: 0-3  
Applied Design for Production  
Design for Department productions.  
Note: May be taken more than once for credit to a maximum of 6 units.  
Prerequisites: 348, 349 and permission of the department.

THEA 464  Units: 1.5  Hours: 0-3  
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 490 Units: 1.5 or 3.0
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 or 3.0
Theatre Laboratory
Under the supervision of faculty, students will participate in projects that will include both their particular areas of interest and other aspects of the theatre.
Note: May be taken more than once for credit in different topics to a maximum of 6 units.
Prerequisites: Permission of the department.

WRIT Writing
Department of Writing
Faculty of Fine Arts

WRIT 100 Units: 3.0 Hours: 3-0
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 the writing and criticism of compositions in all four genres.
Note: Credit will be granted for only one of 100, CW 100.

WRIT 102 Units: 3.0 Hours: 3-0
Formerly: WRIT 103, 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 writing in the non-fiction genre for those Writing majors not pursuing the PW Minor.

WRIT 109 Units: 1.5 Hours: 3-0
The Writer's World in Books and Film
This lecture course, which is open to students in all faculties, explores a selection of authors through an analysis of their writing in various genres and a study of films that show us their working methods and delve into their personal lives. Students will meet guest authors who will read from their publications and discuss the writing process.
Note: This course is not a prerequisite for entry into any other writing course. Open to all students.

WRIT 200 Units: 3.0 Hours: 3-0
Formerly: CW 200
The Theory and Practice of Literary Creation
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.
Prerequisites: Second-year standing.

WRIT 201 Units: 3.0 Hours: 0-3
Formerly: CW 201
Poetry Workshop
A workshop in which the students are instructed in the writing of poetry.

WRIT 202 Units: 3.0 Hours: 0-3
Formerly: CW 202
Fiction Workshop
A workshop in which the students are instructed 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: 3.0 Hours: 0-3
Formerly: CW 203
Drama Workshop
A workshop in which students are instructed in 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
Creative Non-Fiction Workshop
A workshop in which the students are instructed in the writing of creative non-fiction.
Note: Class limit 15 students.
Prerequisites: A minimum of B in 100.

WRIT 215 Units: 1.5 Hours: 3-0
Journalism
A lecture course in the theory and practice of journalism in Canada with an emphasis on local news beat writing.
Note: Credit will be granted for only one of 215, 205. 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: 3-0-1
Magazine Writing
An introduction to the theory, craft and business of writing magazine stories for print and electronic publication. Students must also register for a separate laboratory section in which they will learn the use of publishing software.
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 230 Units: 1.5 Hours: 3-0
Writing a Sense of Place
A lecture course surveying writers who have made place a strong element in one or more works.
Prerequisites: Second-year standing.

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 mythical structure in classical narrative film writing.
Prerequisites: Second-year standing.

WRIT 301 Units: 1.5 Hours: 3-0
Formerly: CW 301
Special Study in Craft
A workshop/seminar in which students will focus on particular elements of writing applicable to more than one genre.
Prerequisites: Second-year standing.

WRIT 302 Units: 1.5 Hours: 1-2
Formerly: CW 302A/B
Poetry Workshop
Note: May be repeated once. Class limit 15 students.
Prerequisites: 201 or equivalent.

WRIT 303 Units: 1.5 Hours: 0-3
Formerly: CW 303A/B
Fiction Workshop
Note: May be repeated once. Class limit 15 students.
Prerequisites: 202 or equivalent.

WRIT 304 Units: 1.5 Hours: 0-3
Formerly: CW 304A/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 305 Units: 1.5 Hours: 0-3
Formerly: CW 305A/B
Electronic Publishing
This course will deal with the latest developments in the practice and theory of electronic publishing and editing.
Note: Credit will be granted for only one of 306, 306B, CW 306B.
Prerequisites: Second-year standing.

WRIT 306 Units: 1.5 Hours: 2-1
Formerly: CW 306B, WRIT 306B
Basic Forms and Techniques in Poetry
A lecture course surveying the functions of specific poetic techniques in a representative group of poems. Aspects of poetic discourse will include prosody, sound patterns, diction and figurative language.
Note: Credit will be granted for only one of 306, CW 306B.
Prerequisites: Second-year standing.

WRIT 307 Units: 1.5 Hours: 3-0
Formerly: CW 307
Advanced Forms and Techniques in Poetry
A lecture course surveying formal structures in poetry in a representative group of poems. Topics discussed will include poetic closure, the sonnet, sestina, villanelle and ghazal, and the influence of early nineteenth-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 308 Units: 1.5 Hours: 3-0
Formerly: CW 308
Basic Forms and Techniques in Short Fiction
A lecture course surveying the structural composition and the function of technique in a representative group of narrative prose works. Aspects of narrative discussed will include theme, point of view, scenic structure, role of narrator, metaphor, diction, plot and dialogue.
Note: Credit will be granted for only one of 309, CW 309.
Prerequisites: Second-year standing.
COURSE LISTINGS

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  
A lecture course surveying recurrent themes in film and/or English literature and in other literatures in translation.  
Note: Credit will be granted for only one of 313, CW 3313. May be repeated once with permission of the department if the content is different.  
Prerequisites: Second-year standing.

WRIT 314  Units: 1.5  Hours: 3-0
Formerly: CW 314  
Changing Perspectives  
A lecture course surveying the different ways in which writers have tackled similar subject matter, taking its material from film scripts and/or English literature and other literature in translation.  
Note: Credit will be granted for only one of 314, CW 314.  
Prerequisites: Second-year standing.

WRIT 315  Units: 1.5  Hours: 2-1
Formerly: CW 315A & B  
Advanced Journalism and Magazine Writing  
A lecture/seminar 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: WRIT 215 and WRIT 216 with a B+ average.

WRIT 316  Units: 1.5  Hours: 0-3
Formerly: CW 316A & B  
Creative Non-Fiction Workshop  
A workshop in which the students are instructed in the writing of creative non-fiction.  
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.

WRIT 320  Units: 1.5  Hours: 3-0-1
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. Students must also register for a separate laboratory section in which they learn the use of digital production and post-production technology.  
Note: May be repeated only 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: CW 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  Hours: 3-0
Formerly: CW 319  
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
Formerly: CW 330  
Media and Culture  
A lecture course surveying theories and controversies in mass media and popular culture from a writer’s perspective.  
Note: May be repeated once in different content with permission of the department.  
Prerequisites: Second-year standing.

WRIT 335  Units: 1.5  Hours: 3-0
Formerly: CW 335  
Forms and Techniques in Short Creative Non-Fiction  
A lecture course surveying short forms of creative non-fiction.  
Prerequisites: Second-year standing.

WRIT 336  Units: 1.5  Hours: 3-0
Formerly: CW 336  
Forms and Techniques in Long Creative Non-Fiction  
A lecture course surveying long forms of creative non-fiction.  
Prerequisites: Second-year standing.

WRIT 340  Units: 1.5  Hours: 3-0
Formerly: CW 340  
Elements of Style  
A lecture course exploring the effective use of stylistic elements in literary writing of all genres.  
Note: Not open to students who have credit for 240.  
Prerequisites: A minimum of B in 100 or for PW students a minimum of B+ in 215 and 216.

WRIT 390  Units: 3.0  
Formerly: CW 390  
Directed Studies in Writing  
Granted under special circumstances only.

Under the supervision of a full-time faculty member and with the approval of the Chair of the department for work which can not be completed as part of a regular course.

Note: Credit will be granted for only one of 390, CW 390.  
Prerequisites: 4.5 units of workshop credit, third or fourth-year standing, an A average in the area of specialization, and permission of the department.

WRIT 391  Units: 1.5  
Formerly: CW 391  
Directed Studies in Writing  
Granted under special circumstances only.  
Note: Credit will be granted for only one of 391, CW 391. May be repeated with permission of the department.  
Prerequisites: 4.5 units of workshop credit, third or fourth-year standing, an A average in the area of specialization and permission of the department.

WRIT 400  Units: 1.5  Hours: 1-2
Formerly: CW 400  
Special Genres Workshop/Seminars  
A workshop seminar that will focus exclusively on a particular sub-genre, such as the prose poem, docu-drama, dystopian fiction, lyric novel, or radio play.  
Note: May be repeated once in different 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  
A workshop in which students are instructed in the writing of poetry.  
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  
A workshop in which the students are instructed in the writing of fiction.  
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  
A workshop in which students are instructed in the writing for stage and screen.  
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, dark room 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: 1-2
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: 1-2
Writing for Children and Young Adults
This workshop/seminar course will familiarize students with writing for children and young adults.
Prerequisites: Third-year standing.

WRIT 408 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 Genres Lecture
A lecture course examining elements of craft in a particular genre, such as nature writing, travel narrative, the prose poem or children's literature.
Note: May be repeated once in different content with permission of the department.
Prerequisites: Third-year standing.

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 Creative Non-Fiction Workshop
A workshop in which the students are instructed in the writing of creative non-fiction
Note: May be repeated once. Class limit 15 students.
Prerequisites: 3 units of 316.

WRIT 417 Units: 1.5 Hours: 1-2
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 440 Units: 1.5 Hours: 3-0
The Writing Business
A lecture course that prepares students for the business of writing.
Prerequisites: Third-year standing.
Grading: COM, N, F.

WRIT 490 Units: 3.0
Formerly: CW 490
Directed Studies in Writing
Directed studies in an area of specialization and permission of the department.
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
Directed studies in an area of specialization and permission of the department.
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: 3.0
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.

WS 203 Units: 1.5 Hours: 3-0
Reading Popular Culture
Examines the construction of gender, sex, 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 interdisci-

WS 204 Units: 1.5 Hours: 3-0
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.

WS 205 Units: 1.5 Hours: 3-0
Women, Food and Culture
A feminist study of women and foodways - the beliefs and behaviors associated with the production, distribution, preparation and consumption of food. Topics may include: the symbolism and uses of food in particular cultural settings; connections between women and food in a globalized, North American food system; representations of gendered foodways in literature and film; health, food and disordered eating; the place of commensality in community-building.
Prerequisites: One of 102, 103, 104, 110; or permission of the 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 and political sovereignty, 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
Indigenous Women in Canada
Examines the ways in which Indigenous women have experienced and resisted the process of colonization in the past and present.
Note: Credit will be granted for only one of 207, 102.
Prerequisites: One of 103, 104, 110, or permission of the instructor.

WS 217 Units: 1.5 Hours: 3-0
Orginal Women's Studies
Variable content course on aspects of Women's Studies.
Note: May be taken more than once in different topics.
Prerequisites: One of 102, 103, 104, 110; or permission of the instructor.

WS 219 Units: 1.5 Hours: 3-0
Sex Work, Trafficking and Human Rights
Within the context of the global economy, examines current debates about sex work as well as transnational migration and trafficking of women into various sites, including the sex industry. Two foci are the complex interface of race, class, gender and sexuality in the international division of labour, as well as policy and grassroots responses to these phenomena at the national and international levels.
Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 218; or permission of the instructor.

WS 311 Units: 1.5 Hours: 3-0
Women, Race and Empire
Introduction to the complex and often problematic relationship between women, race and colonialism. Examines issues such as the implication of race and sex in European imperialism, the problematic positioning of white women in empire and the possibility of creating a post-colonial space for feminism. Although the broad sweep of European imperial power
### COURSE LISTINGS

will be acknowledged, there will be a special focus on British imperialism in India. Considers political, literary, and filmic perspectives.

**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the instructor.

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<th>Course Code</th>
<th>Units</th>
<th>Hours</th>
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| **WS 315**  | 1.5   | 3-0   | Gender and International Human Rights  
An interdisciplinary examination of the ways in which international human rights theories, organizations, laws, and practices are gendered, racialized, sexualized, and class based, and their effects on freedom, equality, and dignity in the international system. Analyzes the history and development of ideas/definitions of "rights" and how feminists have challenged these definitions. Emphasizes the interconnectedness of the global and local through a multitude of topics, including culture, human security, civil and political liberties, and labour rights.
**Note:** Credit will be granted for only one of 315, 319 if taken in the same topic.
**Prerequisites:** Second-year standing or permission of the instructor. |
| **WS 316**  | 1.5   | 3-0   | Gender and Development  
Examines the evolution of feminist responses to and critiques of mainstream development policies and theories of international development as practiced by international organizations such as the World Bank, the International Monetary Fund, and the United Nations. Topics may include the environment, health, education, poverty, and empowerment strategies.
**Note:** Credit will be granted for only one of 316, 319 if taken in the same topic.
**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 219, 315; third-year standing, or permission of the instructor. |
| **WS 319**  | 1.5   | 3-0   | Topics in Economies, States and Global Issues  
Variable content course on aspects of economies, states and global issues as they pertain to women's lives.
**Note:** No limit to number of credits if taken in different topics.
**Prerequisites:** Second-year standing or permission of the instructor. |
| **WS 322**  | 1.5   | 3-0   | Women, Law and Resistance: Historical Perspectives  
Focusing mainly on North America, this course examines the historical relationship between women and the changing regulatory practices of the state and the criminal justice system. Places special emphasis on exploring how these regulatory practices and women's resistances to them were shaped by gender, class, race, ethnicity and sexuality.
**Prerequisites:** Second-year standing or permission of the instructor. |
| **WS 323**  | 1.5   | 3-0   | Topics in Women's Health  
Variable content course on aspects of health issues as they pertain to women's lives.
**Note:** May be taken more than once in different topics.
**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the instructor. |
| **WS 325**  | 1.5   | 3-0   | Women in Contemporary India  
Explores the history of the Indian women's movement (with emphasis on women's participation in the Indian national liberation struggle) and contemporary issues that define Indian feminism. Cultural critique of the manner in which Indian women have been studied and represented in the West will form the context of such exploration.
**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the instructor. |
| **WS 326**  | 1.5   | 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 encoded 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 warrihood.
**Prerequisites:** Second-year standing or permission of the instructor. |
| **WS 327**  | 1.5   | 3-0   | Discerning Masculinities  
Introduces students to the new field(s) of masculinities studies through popular culture, film, fiction and theory.
**Prerequisites:** Second-year standing or permission of the instructor. |
| **WS 328**  | 1.5   | 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, 219; or permission of the instructor. |
| **WS 329**  | 1.5   | 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** | 1.5   | 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, 219; or permission of the instructor. |
| **WS 331**  | 1.5   | 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 332**  | 1.5   | 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 reimaging of democracy and democratic futures.
**Note:** Credit will be granted for only one of 336, 331
**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the instructor. |
| **WS 333**  | 1.5   | 3-0   | Narrated Lives: Indigenous Women's Auto/Biographies  
Explores Indigenous women's autobiography as a creative form of expression that draws upon both the Indigenous oral tradition and the written tradition of Euro-American autobiography. Looks at a range of Indigenous women's autobiographical texts created under a variety of circumstances from life histories narrated by Indigenous women and 'mediated' by non-Native recorder-editors, to contemporary texts written by Native women themselves that challenge the boundaries of conventional autobiography.
**Prerequisites:** One of 202, 203, 204, 205, 206, 207, 210, 219; or permission of the 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 202, 203, 204, 205, 206, 207, 210, 219; 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, 219; 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, 219; minimum 4.5 units of upper-level WS courses which must include WS 330A; or permission of the instructor.

WS 400B Units: 1.5 Hours: 3-0
Research Seminar for Independent Project
Building on project begun in 400A, students meet weekly to discuss research challenges.
Note: Open to Women's Studies Major students only.
Prerequisites: 400A.

WS 450 Units: 3.0 Hours: 3-0
Practising Feminism in the Field
The application of feminist theory to field-based practice acquired through placement with an organization, community group or service. Please refer to “Guidelines for Ethical Conduct” and the “Regulations Concerning Practica” on page 134.
Note: Open only to Women's Studies Major or Honours students, and requires permission of the instructor.
Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 219; any three 300-level WS courses.

WS 480 Units: 1.5 Hours: 3-0
Advanced Seminar in Women's Studies
An advanced seminar in selected aspects of Women's Studies.
Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 219; minimum of 6 units of upper-level WS credit; or permission of the instructor.

WS 490 Units: 1.5 Hours: 3-0
Directed Studies
Supervised study in some area of Women's Studies to be determined by the student and the instructor; written assignments will be required.
Note: 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.
Prerequisites: One of 202, 203, 204, 205, 206, 207, 210, 219; minimum of 6 units of upper-level WS credit; or permission of the instructor.

WS 499 Units: 3.0 Hours: 3-0
Honours Graduating Essay
During the final year of the Honours Program, students will write a graduating essay of approximately 15,000 words under the direction of a member of the Women's Studies Department. Between September and April students are required to meet periodically as a group to discuss research challenges.
Note: Students must have their topic approved by the thesis adviser by June 30 prior to the fall term of their 499 registration. See regulations for acceptance into Women's Studies Honours Program.
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, re-born in affiliation with the University of British Columbia. Though still administered by the Victoria School Board, the College was now completely separated from Victoria High School, moving in 1921 into the magnificent Dunsmuir mansion known as Craigdarroch. Here, under Principals E.B. Paul and P.H. Elliott, Victoria College built a reputation over the next two decades for thorough and scholarly instruction in first- and second-year Arts and Science.

The final stage, between the years 1945 and 1963, saw the transition from two year college to university, under Principals J.M. Ewing and W.H. Hickman. During this period, the College was governed by the Victoria College Council, representative of the parent University of British Columbia, the Greater Victoria School Board, and the provincial Department of Education. Physical changes were many. In 1946 the College was forced by post-war 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.

Principal Officers and Governing Bodies

Chancellor
Ronald Lou-Poy, QC, BComm, LLB, Hon LLD

President and Vice- Chancellor
David H. Turpin, BSc, PhD, FRSC

Vice-President Academic and Provost
Jamie L. Cassels, BA, LLB, LLM

Vice-President, Research
S. Martin Taylor, BA, MA, PhD

Vice-President, Finance and Operations
Ms. Gayle Gorrill, BBA, CA, CBV

Vice-President, External Relations
Valerie Kuehne, BScN, Med, MA, PhD

Board of Governors
Ex Officio Members
Chancellor Ronald Lou-Poy, QC, BComm, LLB, hon LLD
President David H. Turpin, BSc, PhD, FRSC

Members Appointed by the Lieutenant Governor in Council
Trudi Brown, QC, BA, LLB
Peter Ciceri, BA
Eric Donald, BA
John Evans, BCom
Murray Farmer, BA
Gail Fliton, BA
Robert Giroux, BA, MA, Hon LLD
Jane Peverett, BCom, CMA, MBA

Members Elected by the Faculty Members
Peter Driessen, BSc, PhD
Peter Liddell, MA, PhD

Members Elected by the Student Association
James Biggar, BA
Penny Beames

Members Elected by the Employees
Sarah Webb

Secretary
Julia Eastman, BA, MA, PhD, University Secretary

Senate
Ex Officio Members
Oscar Castro, MD, Head, Division of Medical Sciences
Jamie L. Cassels, BA, LLB, LLM, Vice-President Academic and Provost
Ali Dastmalchian, BSc, MSc, PhD, Dean, Faculty of Business
Mary Ellen Purkins, BSN, MSc, PhD, Faculty of Human and Social Development
Aaron Devor, BA, MA, PhD, Dean, Faculty of Graduate Studies
Ted Riecken, BA, MEd, PhD, Dean, Faculty of Education
Giles W. Hogya, BA, MA, PhD, Dean, Faculty of Fine Arts
Peter Keller, BA, MA, PhD, Dean, Faculty of Social Sciences
Wesley Koczka, BA, BEd, MA, EdD, Dean, Division of Continuing Studies
Ronald Lou-Poy, QC, BComm, LLB, Hon LLD, Chancellor
D. Michael Miller, BSc, MSc, PhD, Dean, Faculty of Engineering
Tom Pedersen, BSc, PhD, Dean, Faculty of Science

The historical traditions of the University are reflected in the Arms of the University, its academic regalia and its house flag. The BA hood is of solid red, a colour that recalls the early affiliation with McGill. The BSc hood, of gold, and the BEd hood, of blue, show the colours of the University of British Columbia. Blue and gold have been retained as the official colours of the University of Victoria. The motto at the top of the Arms of the University, in Hebrew characters, is “Let there be Light”; the motto at the bottom, in Latin, is “A Multitude of the Wise is the Health of the World.”
THE UNIVERSITY OF VICTORIA

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
Andrew Goerzen, BA, PhD
Brock Smith, BCom, PhD

Education
Robert Anthony, BA, MA, PhD
Leslee Francis Pelton, BSc, MA, PhD

Engineering
Afzal Suleman, BSc, MSc, PhD
Fayez Gebali, BSc, PhD

Fine Arts
Jan Wood, BFA
Susan Lewis, BA, BMus, MM, MFA, PhD

Graduate Studies
John Dower, BSc, PhD
Anne Marshall, BA, MA, PhD

Human and Social Development
Sibylle Artz, BA, MA, PhD
Jeanine Moreau, BSN, MN

Humanities
Annalee Lepp, BA, MA, PhD
Tim Haskett, 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
Kenneth Stewart, BA, MA, MSc, PhD
Ronald Skelton, BSc, MA, PhD

Members Elected by the Faculty Members

Ted Darcie, BSc, MSc, PhD
Ellen Chapco, BA, PhD
Lynda Gammon, BA, MFA
Peter Driessen, BSc, PhD
Reginald Mitchell, BA, MA, PhD, FCIC
Patricia Kostek, BSc, MMus
Peter Murphy, BA, BEd, MED, PhD
Olaf Niemann, BSc, MSc, PhD
Peter Stephenson, BA, MA, PhD
Gordon Fulton, BA, MA, PhD
Evelyn Coblentz, BA, MA, PhD
Micaela Serra, BSc, MSc, PhD

Members Elected by the Student Association

Full-time Students (Terms expire June 30, 2008)
Cory Bargen
Naomi Devine
Michael Franzmann
Stuart Hill
Gordon Hunter
Jonny Morris
Richard Park
Deborah Schwartz
Roselynn Verwood

Members Elected by the Convocation (Terms expire December 31, 2008)
Chancellors Emeritus
William Gibson, BA, MSc, MD, DPhil, LLB, FRCP
Ian McTaggart-Cowan, OC, BA, PhD, LLB, DEnvSt, DSc, FRSC
Norma Mickelson, CM, OBC, BEd, MA, PhD
The Honourable Robert Rogers, OC, KStJ, CD, OBC, Hon LLB (S Fraser),
Hon DScM (RRMC), Hon LLB (UVic), Hon LLD (Brit Col)

Presidents Emeritus
Howard E. Petch, BSc, MSc, PhD, DSc, LLB, FRSC
David Strong, BSc, MSc, PhD, FRSC

Foundation for the University of Victoria

Members of the Board
Andre Rachert, BA, MA, LLB (Chair)
Gail Fliton, BA
Gayle Gorill, BBA, CA, CBV
Michael Marley
John van Caylenborg, BA, LLB

Officers
President: David H. Turpin, BSc, PhD, FRSC
Treasurer: Kristi Simpson, BA, CA
Secretary
Julia Eastman, BA, MA, PhD

UNIVERSITY OF VICTORIA FOUNDATION

Members of the Board
Susan Mehinagic, CA, LLB (Chair)
Lana Denoni
Gayle Gorill, BBA, CA, CBV (ex officio)
Lisa Hill
A. Wayne Hopkins, BComm, MBA, PhD, FCA
Valerie Kuehne, BScn, MED, MA, PhD
President David H. Turpin, BSc, PhD, FRSC (ex officio)
John van Caylenborg, BA, LLB (Vice Chair)
Anne Wortmann

Officers
President: Shannon von Kaldenberg
Treasurer: Kristi Simpson, BA, CA
Secretary
Julia Eastman, BA, MA, PhD

Faculty and Staff Emeritus and Honorary Degree Recipients

Chancellors Emeritus
William Gibson, BA, MSc, MD, DPhil, LLB, FRCP
Ian McTaggart-Cowan, OC, BA, PhD, LLB, DEnvSt, DSc, FRSC
Norma Mickelson, CM, OBC, BEd, MA, PhD
The Honourable Robert Rogers, OC, KStJ, CD, OBC, Hon LLB (S Fraser),
Hon DScM (RRMC), Hon LLB (UVic), Hon LLD (Brit Col)

Presidents Emeritus
Howard E. Petch, BSc, MSc, PhD, DSc, LLB, FRSC
David Strong, BSc, MSc, PhD, FRSC

Faculty, Senior Instructors and Librarians Emeritus 2006-2007
Angelika F. Arend, Staatsexamen (Ko), MA (Car), DPhil (Oxon)
J. Thomas Buckley, BSc, PhD (McGill)
Donald G. Casswell, BSc, LLB (York), LLM (Tor), of the Bar of Ontario
Anthony S. G. Edwards, BA (R’dg), MA (McM), PhD (London), FSA
Roy Ferguson, BA, PhD (Alta)
Lucia M. Gamroth, BSc (Mt Angel Coll), BSN (St Louis), MS (Oregon Health Sci U), MPA (Portland St), PhD (Oregon Health Sci U)
Thomas E. Hukari, BA (Ore), MA, PhD (Wash), FRSC
Joseph F. Kess, BSc (Georgetown), MA, PhD (Hawaii), FRSC
Claire McKenzie, BA, MA (U of Vic)
Peter J. Murphy, BA (Winn), BEd, MEd (Man), PhD (Alta)
Vernor H. Paetkau, BSc (Alberta), MSc, PhD (Wisconsin)
Charles E. Picciotto, BSc, MSc, PhD (California)
Gordon S. Shrimpton, BA, MA (Brit Col), PhD (Stan)
Stephen Stobart, BSc, PhD (Nott)
S. Anthony Welch, BA (Swarth), MA, PhD (Harv)
Trevor Williams, BA, MA (Manc), PhD (Wales)
William M. Zuk, BEd, MA, MEd (Alta), PhD (Ore)

Honorary Degree Recipients 2006
Carty, Arthur, DSc, November 2006
Claxton, Earl Sr., LLD, November 2006
Husband, Vicky, LLD, June 2006
Iglauer, Edith, LLD, November 2006
Lane, Barbara, LLD, June 2006
Perinbam, Lewis, LLD, June 2006
Piper, Martha, LLD, June 2006
Tippett, Maria, LLD, November 2006
Vickers, Arthur Freeman, DEA, June 2006
Williston, Ray, LLD, June 2006

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 Emeritus
Gown royal blue 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

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
Gown royal blue corded silk, trimmed with blue velvet and gold braid
Headdress Tudor style in blue velvet with gold cord trim

Board of Governors
Chair
Gown traditional (Canadian) bachelor's style in black wool blend with front facings and sleeve linings in gold silk
Headdress Black cloth mortarboard with black silk tassel or Tudor style in black velvet with gold cord

Member
Headdress and gown as above, but with front facings in black

Honorary Doctorate of Laws (Hon LLD)
Gown Cambridge (Doctor of Music) pattern, scarlet wool 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

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
- BSEng: pale yellow
- LLB: blue-purple
Headdress standard black cloth mortarboard with black silk tassel

Masters
Gown traditional (Canadian) Master's style in black
Hood similar in design and colour to the respective bachelor's hoods, but with mitred necklace and a narrow band of black velvet one inch from edge of hood on the outside only. Others are:
- MASc: orange
- MPA: russet
Headdress standard black cloth mortarboard with black silk tassel

Doctors
Gown Cambridge style, black silk, front facings and sleeve linings of scarlet silk
Hood Oxford Doctor's Burgon shape, shell of scarlet silk, lined with blue silk, border of gold silk
Headdress black velvet mortarboard with red tassel fastened on left side

NOTE: On ceremonial occasions, participants without degrees wear the standard black undergraduate cap and gown as described above for bachelors.
## Statistics

### 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>2005/06</th>
<th>2006/07</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Year</td>
<td>10</td>
<td>7</td>
</tr>
<tr>
<td>Third Year</td>
<td>169</td>
<td>209</td>
</tr>
<tr>
<td>Fourth Year</td>
<td>228</td>
<td>234</td>
</tr>
<tr>
<td>Unclassified as to year</td>
<td>5</td>
<td>11</td>
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<tr>
<td>Total in Faculty</td>
<td>412</td>
<td>461</td>
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<table>
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<tr>
<th>Faculty of Education</th>
<th>2005/06</th>
<th>2006/07</th>
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<tbody>
<tr>
<td>Second Year</td>
<td>34</td>
<td>45</td>
</tr>
<tr>
<td>Third Year</td>
<td>166</td>
<td>165</td>
</tr>
<tr>
<td>Fourth Year</td>
<td>185</td>
<td>191</td>
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<tr>
<td>Fifth Year</td>
<td>291</td>
<td>266</td>
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<tr>
<td>Sixth Year</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Unclassified</td>
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<tr>
<td>Total in Faculty</td>
<td>682</td>
<td>671</td>
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<thead>
<tr>
<th>Faculty of Engineering</th>
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<tr>
<td>First Year</td>
<td>248</td>
<td>216</td>
</tr>
<tr>
<td>Second Year</td>
<td>256</td>
<td>229</td>
</tr>
<tr>
<td>Third Year</td>
<td>353</td>
<td>387</td>
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<tr>
<td>Fourth Year</td>
<td>315</td>
<td>315</td>
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<td>1</td>
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<tr>
<td>Total in Faculty</td>
<td>1,206</td>
<td>1,148</td>
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<table>
<thead>
<tr>
<th>Faculty of Fine Arts</th>
<th>2005/06</th>
<th>2006/07</th>
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<tbody>
<tr>
<td>First Year</td>
<td>227</td>
<td>232</td>
</tr>
<tr>
<td>Second Year</td>
<td>225</td>
<td>227</td>
</tr>
<tr>
<td>Third Year</td>
<td>201</td>
<td>208</td>
</tr>
<tr>
<td>Fourth Year</td>
<td>194</td>
<td>206</td>
</tr>
<tr>
<td>Unclassified</td>
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<tr>
<td>Total in Faculty</td>
<td>855</td>
<td>882</td>
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<table>
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<tr>
<th>Faculty of Human and Social Development</th>
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<tbody>
<tr>
<td>First Year</td>
<td>7</td>
<td>12</td>
</tr>
<tr>
<td>Second Year</td>
<td>30</td>
<td>36</td>
</tr>
<tr>
<td>Third Year</td>
<td>261</td>
<td>235</td>
</tr>
<tr>
<td>Fourth Year</td>
<td>289</td>
<td>332</td>
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<tr>
<td>Unclassified</td>
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<tr>
<td>Total in Faculty</td>
<td>587</td>
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<tr>
<th>Faculty of Humanities</th>
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<tr>
<td>First Year</td>
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<td>487</td>
</tr>
<tr>
<td>Second Year</td>
<td>466</td>
<td>460</td>
</tr>
<tr>
<td>Third Year</td>
<td>431</td>
<td>422</td>
</tr>
<tr>
<td>Fourth Year</td>
<td>373</td>
<td>380</td>
</tr>
<tr>
<td>Unclassified</td>
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<tr>
<td>Total in Faculty</td>
<td>1,766</td>
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<table>
<thead>
<tr>
<th>Faculty of Law</th>
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<tr>
<td>First Year</td>
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<tr>
<td>Second Year</td>
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<tr>
<td>Third Year</td>
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<td>108</td>
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<tr>
<td>Unclassified</td>
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<td>7</td>
</tr>
<tr>
<td>Total in Faculty</td>
<td>336</td>
<td>331</td>
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<table>
<thead>
<tr>
<th>Faculty of Science</th>
<th>2005/06</th>
<th>2006/07</th>
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<tbody>
<tr>
<td>First Year</td>
<td>486</td>
<td>538</td>
</tr>
<tr>
<td>Second Year</td>
<td>511</td>
<td>497</td>
</tr>
<tr>
<td>Third Year</td>
<td>437</td>
<td>476</td>
</tr>
<tr>
<td>Fourth Year</td>
<td>440</td>
<td>488</td>
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<tr>
<td>Unclassified</td>
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<td>16</td>
</tr>
<tr>
<td>Total in Faculty</td>
<td>1,889</td>
<td>2,015</td>
</tr>
</tbody>
</table>

### Faculty of Social Sciences

- First Year: 750, 840
- Second Year: 802, 826
- Third Year: 775, 771
- Fourth Year: 643, 626
- Unclassified: 30, 26
- Total in Faculty: 3,000, 3,089

### Division of Medical Sciences

- Unclassified: 48, 68
- Total in Division: 48, 68

- Total full-time undergraduates: 10,781, 11,046
- Total part-time undergraduates: 5,726, 5,915
- Total undergraduates: 16,507, 16,961

### Faculty of Graduate Studies

- Full-time: 2003, 2150
- Part-time: 420, 364
- Total in Faculty: 2,423, 2,514

### University Total

- 18,930, 19,475

### Full-Time Undergraduate and Graduate Students of Non-BC Origin

<table>
<thead>
<tr>
<th>Faculty</th>
<th>2005/06</th>
<th>2006/07</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alberta</td>
<td>884</td>
<td>1,023</td>
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<tr>
<td>Manitoba</td>
<td>82</td>
<td>88</td>
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<tr>
<td>New Brunswick</td>
<td>37</td>
<td>44</td>
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<tr>
<td>Newfoundland</td>
<td></td>
<td>23</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>25</td>
<td>19</td>
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<tr>
<td>Nova Scotia</td>
<td>78</td>
<td>90</td>
</tr>
<tr>
<td>Ontario</td>
<td>838</td>
<td>840</td>
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<tr>
<td>Prince Edward Island</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>Quebec</td>
<td>115</td>
<td>113</td>
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<tr>
<td>Saskatchewan</td>
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<td>122</td>
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<tr>
<td>Yukon</td>
<td>2</td>
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<tr>
<td>Other Countries</td>
<td>1,085</td>
<td>1,098</td>
</tr>
<tr>
<td>Total</td>
<td>3,285</td>
<td>3,471</td>
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### Degrees Conferred in 2005/2006

<table>
<thead>
<tr>
<th>Degree</th>
<th>2005</th>
<th>2006</th>
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</thead>
<tbody>
<tr>
<td>BA</td>
<td>1,333</td>
<td>BCom 168</td>
</tr>
<tr>
<td>BEd</td>
<td>223</td>
<td>BEng 136</td>
</tr>
<tr>
<td>BFA</td>
<td>97</td>
<td>BMus 39</td>
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<tr>
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### Degrees Granted at the Colleges 2006

- **Aurora College**
  - BSN 16

### Source

University of Victoria Registration Statistics as of November 1, 2006
**Key Contacts at UVic**

### EXECUTIVE AND ADMINISTRATIVE OFFICERS

<table>
<thead>
<tr>
<th>Position</th>
<th>Fax</th>
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<tbody>
<tr>
<td>President: Dr. David H. Turpin</td>
<td>721-8654</td>
<td>721-7002</td>
</tr>
<tr>
<td>Chancellor: Dr. Ronald Lou-Poy</td>
<td>721-6223</td>
<td>721-8101</td>
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<tr>
<td>Chair, Board of Governors: Ms. Trudi Brown</td>
<td>721-6223</td>
<td>721-8101</td>
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<tr>
<td>University Secretary and Secretary, Board of Governors and Senate: Dr. Julia Eastman</td>
<td>721-6223</td>
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</tr>
<tr>
<td>Vice-President Academic and Provost: Prof. Jamie Cassels</td>
<td>721-7216</td>
<td>721-7010</td>
</tr>
<tr>
<td>Vice-President Finance and Operations: Ms. Gayle Gorrill</td>
<td>721-6677</td>
<td>721-7018</td>
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<tr>
<td>Vice-President Research: Dr. S. Martin Taylor</td>
<td>472-5477</td>
<td>721-7973</td>
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<tr>
<td>Vice-President External Relations: Dr. Valerie Kuehne</td>
<td>472-5474</td>
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<tr>
<td>Associate Vice-President Academic and Student Affairs: Dr. Jim Anglin</td>
<td>721-7216</td>
<td>721-7973</td>
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<tr>
<td>Associate Vice-President Academic Planning: Dr. Catherine Materre</td>
<td>721-7216</td>
<td>721-7012</td>
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<tr>
<td>Associate Vice-President Legal Affairs: Prof. Mary Anne Waldron</td>
<td>721-7216</td>
<td>472-4611</td>
</tr>
<tr>
<td>Registrar and Executive Director of Student Enrolment: Ms. Lynda Wallace-Hulecki</td>
<td>721-6225</td>
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<tr>
<td>Director, Equity: Ms. Linda Sproule-Jones</td>
<td>721-8570</td>
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<tr>
<td>Director, Human Rights: Ms. Cindy Player</td>
<td>472-4114</td>
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<tr>
<td>Office of Indigenous Affairs: Director, Fran Hunt-Jinnouchi</td>
<td>472-4952</td>
<td>721-6326</td>
</tr>
<tr>
<td>Acting Dean of Continuing Studies: Ms. Joy Davis</td>
<td>472-4358</td>
<td>721-8456</td>
</tr>
<tr>
<td>University Librarian: Ms. Margaret Swanson</td>
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### ACADEMIC ADVISING

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<th>Advising Centre</th>
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<tr>
<td>Humanities, Science and Social Sciences</td>
<td>472-5145</td>
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<td>Faculty of Business</td>
<td>721-7066</td>
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<tr>
<td>Continuing Studies in Education: Roger Howden, Director</td>
<td>721-6603</td>
<td>721-6192</td>
</tr>
<tr>
<td>Faculty of Engineering</td>
<td>472-3323</td>
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<tr>
<td>BEng Program</td>
<td>721-6023</td>
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<tr>
<td>CS: Advising: Jane Guy</td>
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<tr>
<td>Fine Arts Advising Centre: Mrs. Anne Hein</td>
<td>721-7748</td>
<td>472-5165</td>
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<tr>
<td>Graduate Advising: Refer to particular academic department</td>
<td></td>
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<tr>
<td>Faculty of Law: Ms. Janet Person, Undergraduate Admissions Officer</td>
<td>721-6390</td>
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<tr>
<td>Ms. Claire Abbott, Undergraduate Special Projects Coordinator</td>
<td>721-6390</td>
<td>721-8166</td>
</tr>
<tr>
<td>Graduate Advising Director: Ms. Joan Gillie</td>
<td>721-6231</td>
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### UNIVERSITY SERVICES

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<th>Service Name</th>
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<tr>
<td>Accounting Services: Mr. Murray Griffith, Executive Director</td>
<td>721-6221</td>
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<tr>
<td>Alumni Services: Ms. Don Jones, Director</td>
<td>721-6265</td>
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<tr>
<td>University Archivist: Ms. Jane Turner</td>
<td>721-8215</td>
<td>721-8258</td>
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<tr>
<td>Athletics and Recreation: Mr. Clint Hamilton, Director</td>
<td>721-8956</td>
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<td>Bookstore: Mr. Jim Forbes, Director</td>
<td>721-8553</td>
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<td>Career Services: Ms. Jennifer Margison, Manager</td>
<td>721-6220</td>
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<tr>
<td>Child Care Services: Mr. Jack Lalonde, Manager</td>
<td>721-6591</td>
<td>721-6656</td>
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<tr>
<td>Computer Help Desk: Ms. Moira Glen, Supervisor</td>
<td>721-8778</td>
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<tr>
<td>Computer Store: Mr. Kevin Burns, Supervisor</td>
<td>721-8124</td>
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<tr>
<td>Computing and Systems Services: Mr. J. Morven Wilson</td>
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<td>Computing Instructional Technology and E-Learning Services: Mr. Michael Keating</td>
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<td>Continuing Studies</td>
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<td>Co-operative Education Programs: Dr. Elizabeth Grove-White, Executive Director</td>
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<td>Counselling Services: Dr. Joseph A. Parsons, Manager</td>
<td>472-4443</td>
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<td>Development: Ms. Birgit Castledine, Director</td>
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<td>Distance Education Services</td>
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<td>Facilities Management: Mr. Gerald A. Robson, Executive Director</td>
<td>721-8999</td>
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<td>Family Centre: Prof. Barbara Whittington, Faculty Coordinator</td>
<td>472-4669</td>
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<td>Graduate Admissions and Records: Ms. Angela Katahan, Director</td>
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<td>Graduate Students’ Society</td>
<td>721-6137</td>
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<td>Health Services: Dr. William H. Dyson, Director</td>
<td>721-6224</td>
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<td>Housing, Food and Conference Services: Mr. Gavin Quiney, Director</td>
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<td>721-8395</td>
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<td>Human Resources: Mr. Peter Sanderson, Associate Vice-President</td>
<td>721-8094</td>
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<td>Innovation and Development Corporation: Dr. Tim Walzak, President and CEO</td>
<td>721-6497</td>
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<td>Institutional Planning and Analysis: Mr. Tony Eder, Director</td>
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<td>Interfaith Chaplains Services</td>
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<td>Internal Audit: Mr. Andrew Cartwright, Director</td>
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<td>International Affairs Office: Dr. Jim Anglin, Director</td>
<td>721-6542</td>
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<td>International and Exchange Student Services: Mr. Pierre Laliberté, Manager</td>
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<td>Language Centre: Mr. Scott Gerrity, Coordinator</td>
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<td>Learning and Teaching Centre: Dr. Geraldine Van Gym, Interim Director</td>
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<td>Libraries: Ms. Margaret Swanson</td>
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<td>Maltwood Art Museum and Gallery: Prof. Martin Segger, Director</td>
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<td>Network Services: Mr. Ken Howard</td>
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<td>Purchasing Services: Mr. Ken S. Babich, Manager</td>
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<td>Studies in Policy and Practice</td>
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<td>Visual Arts</td>
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<td>Women's Studies</td>
<td>Dr. Annalee Lepp</td>
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<tr>
<td>Writing</td>
<td>Professor Lorna Crozier</td>
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**DIRECTORS OF RESEARCH CENTRES AND INSTITUTES**

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<td>472-4541</td>
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<tr>
<td>Centre for Addictions Research (CFAR):</td>
<td>472-5321</td>
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<tr>
<td>Centre for Advanced Materials and Related Technology (CAMTEC):</td>
<td>721-7147</td>
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<td>721-3107</td>
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<td>472-4830</td>
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<td>Centre for Health Promotion (CHPC):</td>
<td>Dr. Marcia Hills</td>
<td>472-4836</td>
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<tr>
<td>Centre for Studies in Religion and Society (CSRS):</td>
<td>Dr. Conrad Brunk</td>
<td>721-6234</td>
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<td>Centre for Youth and Society (CFYS):</td>
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<td>Dr. Elaine Gallagher</td>
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<td>Institute for Dispute Resolution (IFDR):</td>
<td>721-6607</td>
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<tr>
<td>Laboratory for Automation, Communication, and Information Systems Research (LACIR):</td>
<td>Dr. Colin Bradley</td>
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**DIRECTORS OF OTHER CENTRES**

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<th>Centre</th>
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<tr>
<td>Centre for Excellence in Teaching and Understanding Science:</td>
<td>472-5063</td>
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<tr>
<td>English Language Centre:</td>
<td>Jacqueline Prowse (Co-Director)</td>
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<td>Apryl Taylor (Co-Director)</td>
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<tr>
<td>Health and Learning Knowledge Centre:</td>
<td>Robert Aucoin</td>
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